



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL34827.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

REPORT NUMBER: ITL 34827                      DATE: 9-06-1988  
PREPARED FOR: LEXALITE INTERNATIONAL CORP.  
CATALOG NUMBER: MODEL 351  
LUMINAIRE: CAST PLASTIC PRISMATIC REFLECTOR, CAST METAL MOUNTING RING,  
METAL SUPPORT RODS, FORMED PLASTIC PRISMATIC DROP REFRACTOR.  
LIGHT CENTER LOCATION POSITIONED 7.0" ABOVE LOWER RIM OF  
REFLECTOR.  
LAMP: ONE CLEAR 250-WATT, HPS, E-18, RATED 27500 LUMENS.  
MOUNTING: SUSPENDED  
THE ARC TUBE VOLTAGE RISE= 2.0

Note: Candela values converted from Type-C to Type-B

**CHARACTERISTICS**

IES NEMA Type	7 H x 7 V
Maximum Candela	6916
Maximum Candela Angle	-29H -29V
Horizontal Beam Angle (50%)	99.1
Vertical Beam Angle (50%)	99.1
Horizontal Field Angle (10%)	180.0
Vertical Field Angle (10%)	180.0
Total Rated Lamp Lumens	27500
Beam Lumens	13450.62
Beam Efficiency	48.91%
Field Lumens	18970.33
Field Efficiency	68.98%
Spill Lumens	0.00
Total Lumens	18970.33
Total Efficiency	68.98%
Total Luminaire Watts	250
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	981	90	981
85	933	85	933
75	981	75	981
65	1405	65	1405
55	3613	55	3613
47.5	5679	47.5	5679
42.5	6588	42.5	6588
37.5	6602	37.5	6602
33	5957	33	5957
29	5288	29	5288
25.5	4681	25.5	4681
22.5	4086	22.5	4086
19.5	3552	19.5	3552
17	3420	17	3420
15	3314	15	3314
13	3367	13	3367
11	3420	11	3420
9	3489	9	3489
7	3572	7	3572
5	3655	5	3655
3	3668	3	3668
1	3681	1	3681
0	3687	0	3687
-1	3681	-1	3681
-3	3668	-3	3668
-5	3655	-5	3655
-7	3572	-7	3572
-9	3489	-9	3489
-11	3420	-11	3420
-13	3367	-13	3367
-15	3314	-15	3314
-17	3420	-17	3420
-19.5	3552	-19.5	3552
-22.5	4086	-22.5	4086
-25.5	4681	-25.5	4681
-29	5288	-29	5288
-33	5957	-33	5957
-37.5	6602	-37.5	6602
-42.5	6588	-42.5	6588
-47.5	5679	-47.5	5679
-55	3613	-55	3613
-65	1405	-65	1405
-75	981	-75	981
-85	933	-85	933
-90	981	-90	981

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**CANDELA TABULATION**

Maximum Candela = 6916  
 Beam Edge = 3458 Cd (50% of Max.)  
 Field Edge = 691.6 Cd (10% of Max.)  
 \* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *
85.0	981 *	977 *	969 *	961 *	954 *	949 *	946 *	943 *	941 *	939 *
75.0	981 *	969 *	944 *	938 *	946 *	952 *	958 *	963 *	967 *	970 *
65.0	981 *	961 *	938 *	954 *	976 *	1019 *	1056 *	1089 *	1145 *	1203 *
55.0	981 *	954 *	946 *	976 *	1080 *	1270 *	1407 *	1680 *	1903 *	2103 *
47.5	981 *	949 *	952 *	1019 *	1270 *	1691 *	2052 *	2813 *	3463 *	3975 *
42.5	981 *	946 *	958 *	1056 *	1407 *	2052 *	2973 *	3850 *	4562 *	5134 *
37.5	981 *	943 *	963 *	1089 *	1680 *	2813 *	3850 *	4803 *	5495 *	6013 *
33.0	981 *	941 *	967 *	1145 *	1903 *	3463 *	4562 *	5495 *	6190 *	6546 *
29.0	981 *	939 *	970 *	1203 *	2103 *	3975 *	5134 *	6013 *	6546 *	6916 *
25.5	981 *	938 *	972 *	1247 *	2433 *	4377 *	5497 *	6356 *	6811 *	6648 *
22.5	981 *	937 *	974 *	1282 *	2687 *	4688 *	5780 *	6540 *	6817 *	6425 *
19.5	981 *	936 *	976 *	1312 *	2912 *	4966 *	6034 *	6707 *	6634 *	6199 *
17.0	981 *	935 *	977 *	1334 *	3077 *	5155 *	6222 *	6831 *	6498 *	5996 *
15.0	981 *	935 *	978 *	1349 *	3194 *	5269 *	6314 *	6913 *	6400 *	5849 *
13.0	981 *	934 *	979 *	1363 *	3297 *	5370 *	6381 *	6837 *	6312 *	5717 *
11.0	981 *	933 *	980 *	1375 *	3386 *	5457 *	6439 *	6771 *	6219 *	5601 *
9.0	981 *	933 *	980 *	1385 *	3461 *	5530 *	6488 *	6716 *	6134 *	5502 *
7.0	981 *	933 *	981 *	1393 *	3521 *	5588 *	6527 *	6671 *	6064 *	5420 *
5.0	981 *	933 *	981 *	1399 *	3566 *	5633 *	6557 *	6637 *	6012 *	5355 *
3.0	981 *	933 *	981 *	1405 *	3613 *	5662 *	6577 *	6614 *	5977 *	5312 *
1.0	981 *	933 *	981 *	1405 *	3613 *	5677 *	6587 *	6603 *	5959 *	5290 *
0.0	981 *	933 *	981 *	1405 *	3613 *	5679 *	6588 *	6602 *	5957 *	5288 *
-1.0	981 *	933 *	981 *	1405 *	3613 *	5677 *	6587 *	6603 *	5959 *	5290 *
-3.0	981 *	933 *	981 *	1405 *	3613 *	5662 *	6577 *	6614 *	5977 *	5312 *
-5.0	981 *	933 *	981 *	1399 *	3566 *	5633 *	6557 *	6637 *	6012 *	5355 *
-7.0	981 *	933 *	981 *	1393 *	3521 *	5588 *	6527 *	6671 *	6064 *	5420 *
-9.0	981 *	933 *	980 *	1385 *	3461 *	5530 *	6488 *	6716 *	6134 *	5502 *
-11.0	981 *	933 *	980 *	1375 *	3386 *	5457 *	6439 *	6771 *	6219 *	5601 *
-13.0	981 *	934 *	979 *	1363 *	3297 *	5370 *	6381 *	6837 *	6312 *	5717 *
-15.0	981 *	935 *	978 *	1349 *	3194 *	5269 *	6314 *	6913 *	6400 *	5849 *
-17.0	981 *	935 *	977 *	1334 *	3077 *	5155 *	6222 *	6831 *	6498 *	5996 *
-19.5	981 *	936 *	976 *	1312 *	2912 *	4966 *	6034 *	6707 *	6634 *	6199 *
-22.5	981 *	937 *	974 *	1282 *	2687 *	4688 *	5780 *	6540 *	6817 *	6425 *
-25.5	981 *	938 *	972 *	1247 *	2433 *	4377 *	5497 *	6356 *	6811 *	6648 *
-29.0	981 *	939 *	970 *	1203 *	2103 *	3975 *	5134 *	6013 *	6546 *	6916 *
-33.0	981 *	941 *	967 *	1145 *	1903 *	3463 *	4562 *	5495 *	6190 *	6546 *
-37.5	981 *	943 *	963 *	1089 *	1680 *	2813 *	3850 *	4803 *	5495 *	6013 *
-42.5	981 *	946 *	958 *	1056 *	1407 *	2052 *	2973 *	3850 *	4562 *	5134 *
-47.5	981 *	949 *	952 *	1019 *	1270 *	1691 *	2052 *	2813 *	3463 *	3975 *
-55.0	981 *	954 *	946 *	976 *	1080 *	1270 *	1407 *	1680 *	1903 *	2103 *
-65.0	981 *	961 *	938 *	954 *	976 *	1019 *	1056 *	1089 *	1145 *	1203 *
-75.0	981 *	969 *	944 *	938 *	946 *	952 *	958 *	963 *	967 *	970 *
-85.0	981 *	977 *	969 *	961 *	954 *	949 *	946 *	943 *	941 *	939 *
-90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *
85.0	938 *	937 *	936 *	935 *	935 *	934 *	933 *	933 *	933 *	933 *
75.0	972 *	974 *	976 *	977 *	978 *	979 *	980 *	980 *	981 *	981 *
65.0	1247 *	1282 *	1312 *	1334 *	1349 *	1363 *	1375 *	1385 *	1393 *	1399 *
55.0	2433 *	2687 *	2912 *	3077 *	3194 *	3297 *	3386 *	3461 *	3521 *	3566 *
47.5	4377 *	4688 *	4966 *	5155 *	5269 *	5370 *	5457 *	5530 *	5588 *	5633 *
42.5	5497 *	5780 *	6034 *	6222 *	6314 *	6381 *	6439 *	6488 *	6527 *	6557 *
37.5	6356 *	6540 *	6707 *	6831 *	6913 *	6837 *	6771 *	6716 *	6671 *	6637 *
33.0	6811 *	6817 *	6634 *	6498 *	6400 *	6312 *	6219 *	6134 *	6064 *	6012 *
29.0	6648 *	6425 *	6199 *	5996 *	5849 *	5717 *	5601 *	5502 *	5420 *	5355 *
25.5	6343 *	6039 *	5742 *	5515 *	5344 *	5188 *	5049 *	4931 *	4834 *	4759 *
22.5	6039 *	5692 *	5364 *	5102 *	4910 *	4735 *	4578 *	4420 *	4291 *	4192 *
19.5	5742 *	5364 *	4994 *	4707 *	4477 *	4248 *	4042 *	3863 *	3715 *	3600 *
17.0	5515 *	5102 *	4707 *	4363 *	4091 *	3839 *	3610 *	3534 *	3491 *	3457 *
15.0	5344 *	4910 *	4477 *	4091 *	3800 *	3565 *	3500 *	3443 *	3394 *	3356 *
13.0	5188 *	4735 *	4248 *	3839 *	3565 *	3489 *	3418 *	3355 *	3321 *	3343 *
11.0	5049 *	4578 *	4042 *	3610 *	3500 *	3418 *	3341 *	3336 *	3367 *	3392 *
9.0	4931 *	4420 *	3863 *	3534 *	3443 *	3355 *	3336 *	3375 *	3410 *	3439 *
7.0	4834 *	4291 *	3715 *	3491 *	3394 *	3321 *	3367 *	3410 *	3452 *	3505 *
5.0	4759 *	4192 *	3600 *	3457 *	3356 *	3343 *	3392 *	3439 *	3505 *	3569 *
3.0	4709 *	4124 *	3563 *	3433 *	3329 *	3358 *	3410 *	3469 *	3546 *	3621 *
1.0	4684 *	4090 *	3553 *	3421 *	3314 *	3366 *	3419 *	3486 *	3569 *	3655 *
0.0	4681 *	4086 *	3552 *	3420 *	3314 *	3367 *	3420 *	3489 *	3572 *	3655 *
-1.0	4684 *	4090 *	3553 *	3421 *	3314 *	3366 *	3419 *	3486 *	3569 *	3655 *
-3.0	4709 *	4124 *	3563 *	3433 *	3329 *	3358 *	3410 *	3469 *	3546 *	3621 *
-5.0	4759 *	4192 *	3600 *	3457 *	3356 *	3343 *	3392 *	3439 *	3505 *	3569 *
-7.0	4834 *	4291 *	3715 *	3491 *	3394 *	3321 *	3367 *	3410 *	3452 *	3505 *
-9.0	4931 *	4420 *	3863 *	3534 *	3443 *	3355 *	3336 *	3375 *	3410 *	3439 *
-11.0	5049 *	4578 *	4042 *	3610 *	3500 *	3418 *	3341 *	3336 *	3367 *	3392 *
-13.0	5188 *	4735 *	4248 *	3839 *	3565 *	3489 *	3418 *	3355 *	3321 *	3343 *
-15.0	5344 *	4910 *	4477 *	4091 *	3800 *	3565 *	3500 *	3443 *	3394 *	3356 *
-17.0	5515 *	5102 *	4707 *	4363 *	4091 *	3839 *	3610 *	3534 *	3491 *	3457 *
-19.5	5742 *	5364 *	4994 *	4707 *	4477 *	4248 *	4042 *	3863 *	3715 *	3600 *
-22.5	6039 *	5692 *	5364 *	5102 *	4910 *	4735 *	4578 *	4420 *	4291 *	4192 *
-25.5	6343 *	6039 *	5742 *	5515 *	5344 *	5188 *	5049 *	4931 *	4834 *	4759 *
-29.0	6648 *	6425 *	6199 *	5996 *	5849 *	5717 *	5601 *	5502 *	5420 *	5355 *
-33.0	6811 *	6817 *	6634 *	6498 *	6400 *	6312 *	6219 *	6134 *	6064 *	6012 *
-37.5	6356 *	6540 *	6707 *	6831 *	6913 *	6837 *	6771 *	6716 *	6671 *	6637 *
-42.5	5497 *	5780 *	6034 *	6222 *	6314 *	6381 *	6439 *	6488 *	6527 *	6557 *
-47.5	4377 *	4688 *	4966 *	5155 *	5269 *	5370 *	5457 *	5530 *	5588 *	5633 *
-55.0	2433 *	2687 *	2912 *	3077 *	3194 *	3297 *	3386 *	3461 *	3521 *	3566 *
-65.0	1247 *	1282 *	1312 *	1334 *	1349 *	1363 *	1375 *	1385 *	1393 *	1399 *
-75.0	972 *	974 *	976 *	977 *	978 *	979 *	980 *	980 *	981 *	981 *
-85.0	938 *	937 *	936 *	935 *	935 *	934 *	933 *	933 *	933 *	933 *
-90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *
85.0	933 *	933 *	933 *	933 *	933 *	933 *	933 *	933 *	933 *	934 *
75.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	980 *	980 *	979 *
65.0	1405 *	1405 *	1405 *	1405 *	1405 *	1399 *	1393 *	1385 *	1375 *	1363 *

CANDELA TABULATION - (Cont.)

55.0	3613 *	3613 *	3613 *	3613 *	3613 *	3566 *	3521 *	3461 *	3386 *	3297 *
47.5	5662 *	5677 *	5679 *	5677 *	5662 *	5633 *	5588 *	5530 *	5457 *	5370 *
42.5	6577 *	6587 *	6588 *	6587 *	6577 *	6557 *	6527 *	6488 *	6439 *	6381 *
37.5	6614 *	6603 *	6602 *	6603 *	6614 *	6637 *	6671 *	6716 *	6771 *	6837 *
33.0	5977 *	5959 *	5957 *	5959 *	5977 *	6012 *	6064 *	6134 *	6219 *	6312 *
29.0	5312 *	5290 *	5288 *	5290 *	5312 *	5355 *	5420 *	5502 *	5601 *	5717 *
25.5	4709 *	4684 *	4681 *	4684 *	4709 *	4759 *	4834 *	4931 *	5049 *	5188 *
22.5	4124 *	4090 *	4086 *	4090 *	4124 *	4192 *	4291 *	4420 *	4578 *	4735 *
19.5	3563 *	3553 *	3552 *	3553 *	3563 *	3600 *	3715 *	3863 *	4042 *	4248 *
17.0	3433 *	3421 *	3420 *	3421 *	3433 *	3457 *	3491 *	3534 *	3610 *	3839 *
15.0	3329 *	3314 *	3314 *	3314 *	3329 *	3356 *	3394 *	3443 *	3500 *	3565 *
13.0	3358 *	3366 *	3367 *	3366 *	3358 *	3343 *	3321 *	3355 *	3418 *	3489 *
11.0	3410 *	3419 *	3420 *	3419 *	3410 *	3392 *	3367 *	3336 *	3341 *	3418 *
9.0	3469 *	3486 *	3489 *	3486 *	3469 *	3439 *	3410 *	3375 *	3336 *	3355 *
7.0	3546 *	3569 *	3572 *	3569 *	3546 *	3505 *	3452 *	3410 *	3367 *	3321 *
5.0	3621 *	3655 *	3655 *	3655 *	3621 *	3569 *	3505 *	3439 *	3392 *	3343 *
3.0	3660 *	3667 *	3668 *	3667 *	3660 *	3621 *	3546 *	3469 *	3410 *	3358 *
1.0	3667 *	3678 *	3681 *	3678 *	3667 *	3655 *	3569 *	3486 *	3419 *	3366 *
0.0	3668 *	3681 *	3687 *	3681 *	3668 *	3655 *	3572 *	3489 *	3420 *	3367 *
-1.0	3667 *	3678 *	3681 *	3678 *	3667 *	3655 *	3569 *	3486 *	3419 *	3366 *
-3.0	3660 *	3667 *	3668 *	3667 *	3660 *	3621 *	3546 *	3469 *	3410 *	3358 *
-5.0	3621 *	3655 *	3655 *	3655 *	3621 *	3569 *	3505 *	3439 *	3392 *	3343 *
-7.0	3546 *	3569 *	3572 *	3569 *	3546 *	3505 *	3452 *	3410 *	3367 *	3321 *
-9.0	3469 *	3486 *	3489 *	3486 *	3469 *	3439 *	3410 *	3375 *	3336 *	3355 *
-11.0	3410 *	3419 *	3420 *	3419 *	3410 *	3392 *	3367 *	3336 *	3341 *	3418 *
-13.0	3358 *	3366 *	3367 *	3366 *	3358 *	3343 *	3321 *	3355 *	3418 *	3489 *
-15.0	3329 *	3314 *	3314 *	3314 *	3329 *	3356 *	3394 *	3443 *	3500 *	3565 *
-17.0	3433 *	3421 *	3420 *	3421 *	3433 *	3457 *	3491 *	3534 *	3610 *	3839 *
-19.5	3563 *	3553 *	3552 *	3553 *	3563 *	3600 *	3715 *	3863 *	4042 *	4248 *
-22.5	4124 *	4090 *	4086 *	4090 *	4124 *	4192 *	4291 *	4420 *	4578 *	4735 *
-25.5	4709 *	4684 *	4681 *	4684 *	4709 *	4759 *	4834 *	4931 *	5049 *	5188 *
-29.0	5312 *	5290 *	5288 *	5290 *	5312 *	5355 *	5420 *	5502 *	5601 *	5717 *
-33.0	5977 *	5959 *	5957 *	5959 *	5977 *	6012 *	6064 *	6134 *	6219 *	6312 *
-37.5	6614 *	6603 *	6602 *	6603 *	6614 *	6637 *	6671 *	6716 *	6771 *	6837 *
-42.5	6577 *	6587 *	6588 *	6587 *	6577 *	6557 *	6527 *	6488 *	6439 *	6381 *
-47.5	5662 *	5677 *	5679 *	5677 *	5662 *	5633 *	5588 *	5530 *	5457 *	5370 *
-55.0	3613 *	3613 *	3613 *	3613 *	3613 *	3566 *	3521 *	3461 *	3386 *	3297 *
-65.0	1405 *	1405 *	1405 *	1405 *	1405 *	1399 *	1393 *	1385 *	1375 *	1363 *
-75.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	980 *	980 *	979 *
-85.0	933 *	933 *	933 *	933 *	933 *	933 *	933 *	933 *	933 *	934 *
-90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *

Vert. Horizontal Angles  
 Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *
85.0	935 *	935 *	936 *	937 *	938 *	939 *	941 *	943 *	946 *	949 *
75.0	978 *	977 *	976 *	974 *	972 *	970 *	967 *	963 *	958 *	952 *
65.0	1349 *	1334 *	1312 *	1282 *	1247 *	1203 *	1145 *	1089 *	1056 *	1019 *
55.0	3194 *	3077 *	2912 *	2687 *	2433 *	2103 *	1903 *	1680 *	1407 *	1270 *
47.5	5269 *	5155 *	4966 *	4688 *	4377 *	3975 *	3463 *	2813 *	2052 *	1691 *
42.5	6314 *	6222 *	6034 *	5780 *	5497 *	5134 *	4562 *	3850 *	2973 *	2052 *
37.5	6913 *	6831 *	6707 *	6540 *	6356 *	6013 *	5495 *	4803 *	3850 *	2813 *
33.0	6400 *	6498 *	6634 *	6817 *	6811 *	6546 *	6190 *	5495 *	4562 *	3463 *
29.0	5849 *	5996 *	6199 *	6425 *	6648 *	6916 *	6546 *	6013 *	5134 *	3975 *
25.5	5344 *	5515 *	5742 *	6039 *	6343 *	6648 *	6811 *	6356 *	5497 *	4377 *

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

22.5	4910 *	5102 *	5364 *	5692 *	6039 *	6425 *	6817 *	6540 *	5780 *	4688 *
19.5	4477 *	4707 *	4994 *	5364 *	5742 *	6199 *	6634 *	6707 *	6034 *	4966 *
17.0	4091 *	4363 *	4707 *	5102 *	5515 *	5996 *	6498 *	6831 *	6222 *	5155 *
15.0	3800 *	4091 *	4477 *	4910 *	5344 *	5849 *	6400 *	6913 *	6314 *	5269 *
13.0	3565 *	3839 *	4248 *	4735 *	5188 *	5717 *	6312 *	6837 *	6381 *	5370 *
11.0	3500 *	3610 *	4042 *	4578 *	5049 *	5601 *	6219 *	6771 *	6439 *	5457 *
9.0	3443 *	3534 *	3863 *	4420 *	4931 *	5502 *	6134 *	6716 *	6488 *	5530 *
7.0	3394 *	3491 *	3715 *	4291 *	4834 *	5420 *	6064 *	6671 *	6527 *	5588 *
5.0	3356 *	3457 *	3600 *	4192 *	4759 *	5355 *	6012 *	6637 *	6557 *	5633 *
3.0	3329 *	3433 *	3563 *	4124 *	4709 *	5312 *	5977 *	6614 *	6577 *	5662 *
1.0	3314 *	3421 *	3553 *	4090 *	4684 *	5290 *	5959 *	6603 *	6587 *	5677 *
0.0	3314 *	3420 *	3552 *	4086 *	4681 *	5288 *	5957 *	6602 *	6588 *	5679 *
-1.0	3314 *	3421 *	3553 *	4090 *	4684 *	5290 *	5959 *	6603 *	6587 *	5677 *
-3.0	3329 *	3433 *	3563 *	4124 *	4709 *	5312 *	5977 *	6614 *	6577 *	5662 *
-5.0	3356 *	3457 *	3600 *	4192 *	4759 *	5355 *	6012 *	6637 *	6557 *	5633 *
-7.0	3394 *	3491 *	3715 *	4291 *	4834 *	5420 *	6064 *	6671 *	6527 *	5588 *
-9.0	3443 *	3534 *	3863 *	4420 *	4931 *	5502 *	6134 *	6716 *	6488 *	5530 *
-11.0	3500 *	3610 *	4042 *	4578 *	5049 *	5601 *	6219 *	6771 *	6439 *	5457 *
-13.0	3565 *	3839 *	4248 *	4735 *	5188 *	5717 *	6312 *	6837 *	6381 *	5370 *
-15.0	3800 *	4091 *	4477 *	4910 *	5344 *	5849 *	6400 *	6913 *	6314 *	5269 *
-17.0	4091 *	4363 *	4707 *	5102 *	5515 *	5996 *	6498 *	6831 *	6222 *	5155 *
-19.5	4477 *	4707 *	4994 *	5364 *	5742 *	6199 *	6634 *	6707 *	6034 *	4966 *
-22.5	4910 *	5102 *	5364 *	5692 *	6039 *	6425 *	6817 *	6540 *	5780 *	4688 *
-25.5	5344 *	5515 *	5742 *	6039 *	6343 *	6648 *	6811 *	6356 *	5497 *	4377 *
-29.0	5849 *	5996 *	6199 *	6425 *	6648 *	6916 *	6546 *	6013 *	5134 *	3975 *
-33.0	6400 *	6498 *	6634 *	6817 *	6811 *	6546 *	6190 *	5495 *	4562 *	3463 *
-37.5	6913 *	6831 *	6707 *	6540 *	6356 *	6013 *	5495 *	4803 *	3850 *	2813 *
-42.5	6314 *	6222 *	6034 *	5780 *	5497 *	5134 *	4562 *	3850 *	2973 *	2052 *
-47.5	5269 *	5155 *	4966 *	4688 *	4377 *	3975 *	3463 *	2813 *	2052 *	1691 *
-55.0	3194 *	3077 *	2912 *	2687 *	2433 *	2103 *	1903 *	1680 *	1407 *	1270 *
-65.0	1349 *	1334 *	1312 *	1282 *	1247 *	1203 *	1145 *	1089 *	1056 *	1019 *
-75.0	978 *	977 *	976 *	974 *	972 *	970 *	967 *	963 *	958 *	952 *
-85.0	935 *	935 *	936 *	937 *	938 *	939 *	941 *	943 *	946 *	949 *
-90.0	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *	981 *

**Vert. Angles**      **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	981 *	981 *	981 *	981 *	981 *
85.0	954 *	961 *	969 *	977 *	981 *
75.0	946 *	938 *	944 *	969 *	981 *
65.0	976 *	954 *	938 *	961 *	981 *
55.0	1080 *	976 *	946 *	954 *	981 *
47.5	1270 *	1019 *	952 *	949 *	981 *
42.5	1407 *	1056 *	958 *	946 *	981 *
37.5	1680 *	1089 *	963 *	943 *	981 *
33.0	1903 *	1145 *	967 *	941 *	981 *
29.0	2103 *	1203 *	970 *	939 *	981 *
25.5	2433 *	1247 *	972 *	938 *	981 *
22.5	2687 *	1282 *	974 *	937 *	981 *
19.5	2912 *	1312 *	976 *	936 *	981 *
17.0	3077 *	1334 *	977 *	935 *	981 *
15.0	3194 *	1349 *	978 *	935 *	981 *
13.0	3297 *	1363 *	979 *	934 *	981 *
11.0	3386 *	1375 *	980 *	933 *	981 *
9.0	3461 *	1385 *	980 *	933 *	981 *

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	3521 *	1393 *	981 *	933 *	981 *
<b>5.0</b>	3566 *	1399 *	981 *	933 *	981 *
<b>3.0</b>	3613 *	1405 *	981 *	933 *	981 *
<b>1.0</b>	3613 *	1405 *	981 *	933 *	981 *
<b>0.0</b>	3613 *	1405 *	981 *	933 *	981 *
<b>-1.0</b>	3613 *	1405 *	981 *	933 *	981 *
<b>-3.0</b>	3613 *	1405 *	981 *	933 *	981 *
<b>-5.0</b>	3566 *	1399 *	981 *	933 *	981 *
<b>-7.0</b>	3521 *	1393 *	981 *	933 *	981 *
<b>-9.0</b>	3461 *	1385 *	980 *	933 *	981 *
<b>-11.0</b>	3386 *	1375 *	980 *	933 *	981 *
<b>-13.0</b>	3297 *	1363 *	979 *	934 *	981 *
<b>-15.0</b>	3194 *	1349 *	978 *	935 *	981 *
<b>-17.0</b>	3077 *	1334 *	977 *	935 *	981 *
<b>-19.5</b>	2912 *	1312 *	976 *	936 *	981 *
<b>-22.5</b>	2687 *	1282 *	974 *	937 *	981 *
<b>-25.5</b>	2433 *	1247 *	972 *	938 *	981 *
<b>-29.0</b>	2103 *	1203 *	970 *	939 *	981 *
<b>-33.0</b>	1903 *	1145 *	967 *	941 *	981 *
<b>-37.5</b>	1680 *	1089 *	963 *	943 *	981 *
<b>-42.5</b>	1407 *	1056 *	958 *	946 *	981 *
<b>-47.5</b>	1270 *	1019 *	952 *	949 *	981 *
<b>-55.0</b>	1080 *	976 *	946 *	954 *	981 *
<b>-65.0</b>	976 *	954 *	938 *	961 *	981 *
<b>-75.0</b>	946 *	938 *	944 *	969 *	981 *
<b>-85.0</b>	954 *	961 *	969 *	977 *	981 *
<b>-90.0</b>	981 *	981 *	981 *	981 *	981 *

**IES FLOOD REPORT**  
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**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Lumens (one side of beam only) = 9485.16  
 Total Field Lumens (one side of beam only) = 9485.16  
 \* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90	1.46 *	2.91 *	2.91 *	2.90 *	2.89 *	2.87 *	2.85 *	2.83 *	2.81 *	3.46 *
85	2.92 *	5.83 *	5.82 *	5.80 *	5.77 *	5.74 *	5.70 *	5.65 *	5.60 *	6.91 *
75	3.63 *	7.26 *	7.24 *	7.20 *	7.15 *	7.08 *	7.00 *	6.90 *	6.79 *	8.31 *
65	7.64 *	15.28 *	15.17 *	14.96 *	14.72 *	14.41 *	14.03 *	13.60 *	13.11 *	15.61 *
55	10.61 *	21.19 *	21.05 *	20.80 *	20.47 *	20.06 *	19.56 *	18.99 *	18.33 *	21.84 *
47.5	9.34 *	18.65 *	18.56 *	18.41 *	18.20 *	17.93 *	17.61 *	17.24 *	16.81 *	20.23 *
42.5	10.04 *	20.08 *	20.04 *	19.99 *	19.91 *	19.81 *	19.69 *	19.54 *	19.24 *	23.32 *
37.5	8.61 *	17.23 *	17.26 *	17.30 *	17.36 *	17.44 *	17.52 *	17.60 *	17.55 *	21.70 *
33	6.85 *	13.72 *	13.77 *	13.84 *	13.95 *	14.07 *	14.21 *	14.35 *	14.49 *	18.32 *
29	5.32 *	10.65 *	10.71 *	10.80 *	10.92 *	11.07 *	11.24 *	11.43 *	11.63 *	14.84 *
25.5	4.01 *	8.04 *	8.11 *	8.21 *	8.36 *	8.54 *	8.74 *	8.95 *	9.17 *	11.78 *
22.5	3.49 *	7.00 *	7.06 *	7.18 *	7.37 *	7.61 *	7.87 *	8.14 *	8.43 *	10.94 *
19.5	2.65 *	5.32 *	5.34 *	5.40 *	5.51 *	5.64 *	5.86 *	6.15 *	6.46 *	8.48 *
17	2.05 *	4.11 *	4.12 *	4.15 *	4.18 *	4.23 *	4.32 *	4.52 *	4.79 *	6.38 *
15	2.03 *	4.07 *	4.07 *	4.06 *	4.08 *	4.11 *	4.16 *	4.26 *	4.48 *	6.02 *
13	2.07 *	4.13 *	4.10 *	4.07 *	4.04 *	4.03 *	4.07 *	4.13 *	4.25 *	5.69 *
11	2.10 *	4.20 *	4.17 *	4.12 *	4.07 *	4.02 *	4.01 *	4.05 *	4.12 *	5.44 *
9	2.15 *	4.28 *	4.24 *	4.18 *	4.12 *	4.05 *	3.99 *	3.99 *	4.06 *	5.28 *
7	2.20 *	4.38 *	4.33 *	4.25 *	4.16 *	4.08 *	4.00 *	3.96 *	4.01 *	5.16 *
5	2.23 *	4.45 *	4.40 *	4.31 *	4.21 *	4.11 *	4.02 *	3.96 *	3.97 *	5.08 *
3	2.24 *	4.47 *	4.44 *	4.36 *	4.24 *	4.13 *	4.04 *	3.95 *	3.95 *	5.05 *
1	1.12 *	2.24 *	2.23 *	2.19 *	2.13 *	2.07 *	2.02 *	1.97 *	1.97 *	2.52 *
0	1.12 *	2.24 *	2.23 *	2.19 *	2.13 *	2.07 *	2.02 *	1.97 *	1.97 *	2.52 *
-1	2.24 *	4.47 *	4.44 *	4.36 *	4.24 *	4.13 *	4.04 *	3.95 *	3.95 *	5.05 *
-3	2.23 *	4.45 *	4.40 *	4.31 *	4.21 *	4.11 *	4.02 *	3.96 *	3.97 *	5.08 *



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**LUMENS TABULATION - (Cont.)**

<b>-5</b>	2.20 *	4.38 *	4.33 *	4.25 *	4.16 *	4.08 *	4.00 *	3.96 *	4.01 *	5.16 *
<b>-7</b>	2.15 *	4.28 *	4.24 *	4.18 *	4.12 *	4.05 *	3.99 *	3.99 *	4.06 *	5.28 *
<b>-9</b>	2.10 *	4.20 *	4.17 *	4.12 *	4.07 *	4.02 *	4.01 *	4.05 *	4.12 *	5.44 *
<b>-11</b>	2.07 *	4.13 *	4.10 *	4.07 *	4.04 *	4.03 *	4.07 *	4.13 *	4.25 *	5.69 *
<b>-13</b>	2.03 *	4.07 *	4.07 *	4.06 *	4.08 *	4.11 *	4.16 *	4.26 *	4.48 *	6.02 *
<b>-15</b>	2.05 *	4.11 *	4.12 *	4.15 *	4.18 *	4.23 *	4.32 *	4.52 *	4.79 *	6.38 *
<b>-17</b>	2.65 *	5.32 *	5.34 *	5.40 *	5.51 *	5.64 *	5.86 *	6.15 *	6.46 *	8.48 *
<b>-19.5</b>	3.49 *	7.00 *	7.06 *	7.18 *	7.37 *	7.61 *	7.87 *	8.14 *	8.43 *	10.94 *
<b>-22.5</b>	4.01 *	8.04 *	8.11 *	8.21 *	8.36 *	8.54 *	8.74 *	8.95 *	9.17 *	11.78 *
<b>-25.5</b>	5.32 *	10.65 *	10.71 *	10.80 *	10.92 *	11.07 *	11.24 *	11.43 *	11.63 *	14.84 *
<b>-29</b>	6.85 *	13.72 *	13.77 *	13.84 *	13.95 *	14.07 *	14.21 *	14.35 *	14.49 *	18.32 *
<b>-33</b>	8.61 *	17.23 *	17.26 *	17.30 *	17.36 *	17.44 *	17.52 *	17.60 *	17.55 *	21.70 *
<b>-37.5</b>	10.04 *	20.08 *	20.04 *	19.99 *	19.91 *	19.81 *	19.69 *	19.54 *	19.24 *	23.32 *
<b>-42.5</b>	9.34 *	18.65 *	18.56 *	18.41 *	18.20 *	17.93 *	17.61 *	17.24 *	16.81 *	20.23 *
<b>-47.5</b>	10.61 *	21.19 *	21.05 *	20.80 *	20.47 *	20.06 *	19.56 *	18.99 *	18.33 *	21.84 *
<b>-55</b>	7.64 *	15.28 *	15.17 *	14.96 *	14.72 *	14.41 *	14.03 *	13.60 *	13.11 *	15.61 *
<b>-65</b>	3.63 *	7.26 *	7.24 *	7.20 *	7.15 *	7.08 *	7.00 *	6.90 *	6.79 *	8.31 *
<b>-75</b>	2.92 *	5.83 *	5.82 *	5.80 *	5.77 *	5.74 *	5.70 *	5.65 *	5.60 *	6.91 *
<b>-85</b>	1.46 *	2.91 *	2.91 *	2.90 *	2.89 *	2.87 *	2.85 *	2.83 *	2.81 *	3.46 *
<b>-90</b>										
<b>Total</b>	189.55	378.93	378.21	376.98	375.60	374.22	373.04	372.35	372.03	464.76

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	4.09 *	4.00 *	4.55 *	5.01 *	5.38 *	5.61 *	5.19 *	6.90 *	7.37 *	5.06 *
<b>85</b>	8.15 *	7.97 *	9.05 *	9.96 *	10.67 *	11.11 *	10.24 *	13.58 *	14.45 *	9.92 *
<b>75</b>	9.69 *	9.34 *	10.41 *	11.19 *	11.65 *	11.86 *	10.73 *	13.91 *	14.50 *	9.82 *
<b>65</b>	17.47 *	15.96 *	16.55 *	16.59 *	16.28 *	15.26 *	12.79 *	15.52 *	15.16 *	9.92 *
<b>55</b>	24.40 *	22.20 *	22.90 *	22.41 *	20.69 *	17.39 *	12.96 *	14.23 *	12.39 *	7.60 *
<b>47.5</b>	22.89 *	21.23 *	22.49 *	22.36 *	20.55 *	17.04 *	11.80 *	11.47 *	9.04 *	5.18 *

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**LUMENS TABULATION - (Cont.)**

<b>42.5</b>	26.72 *	25.22 *	27.25 *	27.68 *	26.17 *	22.56 *	15.73 *	14.20 *	9.95 *	5.29 *
<b>37.5</b>	25.62 *	24.91 *	27.43 *	28.48 *	27.68 *	24.55 *	17.79 *	15.85 *	9.95 *	4.87 *
<b>33</b>	22.24 *	22.29 *	25.51 *	27.36 *	27.13 *	24.73 *	18.45 *	16.35 *	9.67 *	4.46 *
<b>29</b>	18.22 *	18.59 *	22.02 *	24.60 *	25.19 *	23.47 *	17.88 *	16.11 *	9.30 *	4.00 *
<b>25.5</b>	14.61 *	15.10 *	18.09 *	20.91 *	22.26 *	21.15 *	16.43 *	15.20 *	8.73 *	3.49 *
<b>22.5</b>	13.70 *	14.30 *	17.35 *	20.42 *	22.41 *	21.92 *	17.34 *	16.35 *	9.35 *	3.55 *
<b>19.5</b>	10.75 *	11.33 *	13.89 *	16.53 *	18.65 *	18.80 *	15.06 *	14.39 *	8.21 *	2.99 *
<b>17</b>	8.19 *	8.71 *	10.76 *	12.92 *	14.91 *	15.33 *	12.36 *	11.93 *	6.81 *	2.41 *
<b>15</b>	7.84 *	8.42 *	10.47 *	12.68 *	14.81 *	15.42 *	12.56 *	12.24 *	7.00 *	2.43 *
<b>13</b>	7.51 *	8.16 *	10.21 *	12.45 *	14.63 *	15.41 *	12.73 *	12.51 *	7.17 *	2.44 *
<b>11</b>	7.21 *	7.92 *	9.99 *	12.25 *	14.46 *	15.40 *	12.87 *	12.74 *	7.31 *	2.46 *
<b>9</b>	6.95 *	7.71 *	9.80 *	12.07 *	14.32 *	15.40 *	12.99 *	12.93 *	7.42 *	2.47 *
<b>7</b>	6.74 *	7.54 *	9.65 *	11.93 *	14.20 *	15.39 *	13.08 *	13.08 *	7.51 *	2.47 *
<b>5</b>	6.60 *	7.42 *	9.54 *	11.83 *	14.12 *	15.39 *	13.15 *	13.20 *	7.59 *	2.48 *
<b>3</b>	6.54 *	7.35 *	9.47 *	11.77 *	14.07 *	15.39 *	13.19 *	13.26 *	7.63 *	2.48 *
<b>1</b>	3.26 *	3.66 *	4.72 *	5.87 *	7.03 *	7.69 *	6.60 *	6.64 *	3.82 *	1.24 *
<b>0</b>	3.26 *	3.66 *	4.72 *	5.87 *	7.03 *	7.69 *	6.60 *	6.64 *	3.82 *	1.24 *
<b>-1</b>	6.54 *	7.35 *	9.47 *	11.77 *	14.07 *	15.39 *	13.19 *	13.26 *	7.63 *	2.48 *
<b>-3</b>	6.60 *	7.42 *	9.54 *	11.83 *	14.12 *	15.39 *	13.15 *	13.20 *	7.59 *	2.48 *
<b>-5</b>	6.74 *	7.54 *	9.65 *	11.93 *	14.20 *	15.39 *	13.08 *	13.08 *	7.51 *	2.47 *
<b>-7</b>	6.95 *	7.71 *	9.80 *	12.07 *	14.32 *	15.40 *	12.99 *	12.93 *	7.42 *	2.47 *
<b>-9</b>	7.21 *	7.92 *	9.99 *	12.25 *	14.46 *	15.40 *	12.87 *	12.74 *	7.31 *	2.46 *
<b>-11</b>	7.51 *	8.16 *	10.21 *	12.45 *	14.63 *	15.41 *	12.73 *	12.51 *	7.17 *	2.44 *
<b>-13</b>	7.84 *	8.42 *	10.47 *	12.68 *	14.81 *	15.42 *	12.56 *	12.24 *	7.00 *	2.43 *
<b>-15</b>	8.19 *	8.71 *	10.76 *	12.92 *	14.91 *	15.33 *	12.36 *	11.93 *	6.81 *	2.41 *
<b>-17</b>	10.75 *	11.33 *	13.89 *	16.53 *	18.65 *	18.80 *	15.06 *	14.39 *	8.21 *	2.99 *
<b>-19.5</b>	13.70 *	14.30 *	17.35 *	20.42 *	22.41 *	21.92 *	17.34 *	16.35 *	9.35 *	3.55 *
<b>-22.5</b>	14.61 *	15.10 *	18.09 *	20.91 *	22.26 *	21.15 *	16.43 *	15.20 *	8.73 *	3.49 *

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	18.22 *	18.59 *	22.02 *	24.60 *	25.19 *	23.47 *	17.88 *	16.11 *	9.30 *	4.00 *
<b>-29</b>	22.24 *	22.29 *	25.51 *	27.36 *	27.13 *	24.73 *	18.45 *	16.35 *	9.67 *	4.46 *
<b>-33</b>	25.62 *	24.91 *	27.43 *	28.48 *	27.68 *	24.55 *	17.79 *	15.85 *	9.95 *	4.87 *
<b>-37.5</b>	26.72 *	25.22 *	27.25 *	27.68 *	26.17 *	22.56 *	15.73 *	14.20 *	9.95 *	5.29 *
<b>-42.5</b>	22.89 *	21.23 *	22.49 *	22.36 *	20.55 *	17.04 *	11.80 *	11.47 *	9.04 *	5.18 *
<b>-47.5</b>	24.40 *	22.20 *	22.90 *	22.41 *	20.69 *	17.39 *	12.96 *	14.23 *	12.39 *	7.60 *
<b>-55</b>	17.47 *	15.96 *	16.55 *	16.59 *	16.28 *	15.26 *	12.79 *	15.52 *	15.16 *	9.92 *
<b>-65</b>	9.69 *	9.34 *	10.41 *	11.19 *	11.65 *	11.86 *	10.73 *	13.91 *	14.50 *	9.82 *
<b>-75</b>	8.15 *	7.97 *	9.05 *	9.96 *	10.67 *	11.11 *	10.24 *	13.58 *	14.45 *	9.92 *
<b>-85</b>	4.09 *	4.00 *	4.55 *	5.01 *	5.38 *	5.61 *	5.19 *	6.90 *	7.37 *	5.06 *
<b>-90</b>										
<b>Total</b>	558.78	558.69	644.21	714.52	754.53	732.56	583.84	585.21	400.64	194.06

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>	2.58 *	0.33 *		83.97
<b>85</b>	5.10 *	0.65 *		166.58
<b>75</b>	5.03 *	0.65 *		187.33
<b>65</b>	5.02 *	0.64 *		295.69
<b>55</b>	3.77 *	0.48 *		374.32
<b>47.5</b>	2.51 *	0.32 *		339.85
<b>42.5</b>	2.52 *	0.32 *		395.26
<b>37.5</b>	2.27 *	0.29 *		379.26
<b>33</b>	2.02 *	0.26 *		338.04
<b>29</b>	1.77 *	0.22 *		289.98
<b>25.5</b>	1.51 *	0.19 *		241.57
<b>22.5</b>	1.51 *	0.19 *		233.46
<b>19.5</b>	1.26 *	0.16 *		188.84
<b>17</b>	1.01 *	0.13 *		148.31
<b>15</b>	1.01 *	0.13 *		146.35

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL34827.IES**

**LUMENS TABULATION - (Cont.)**

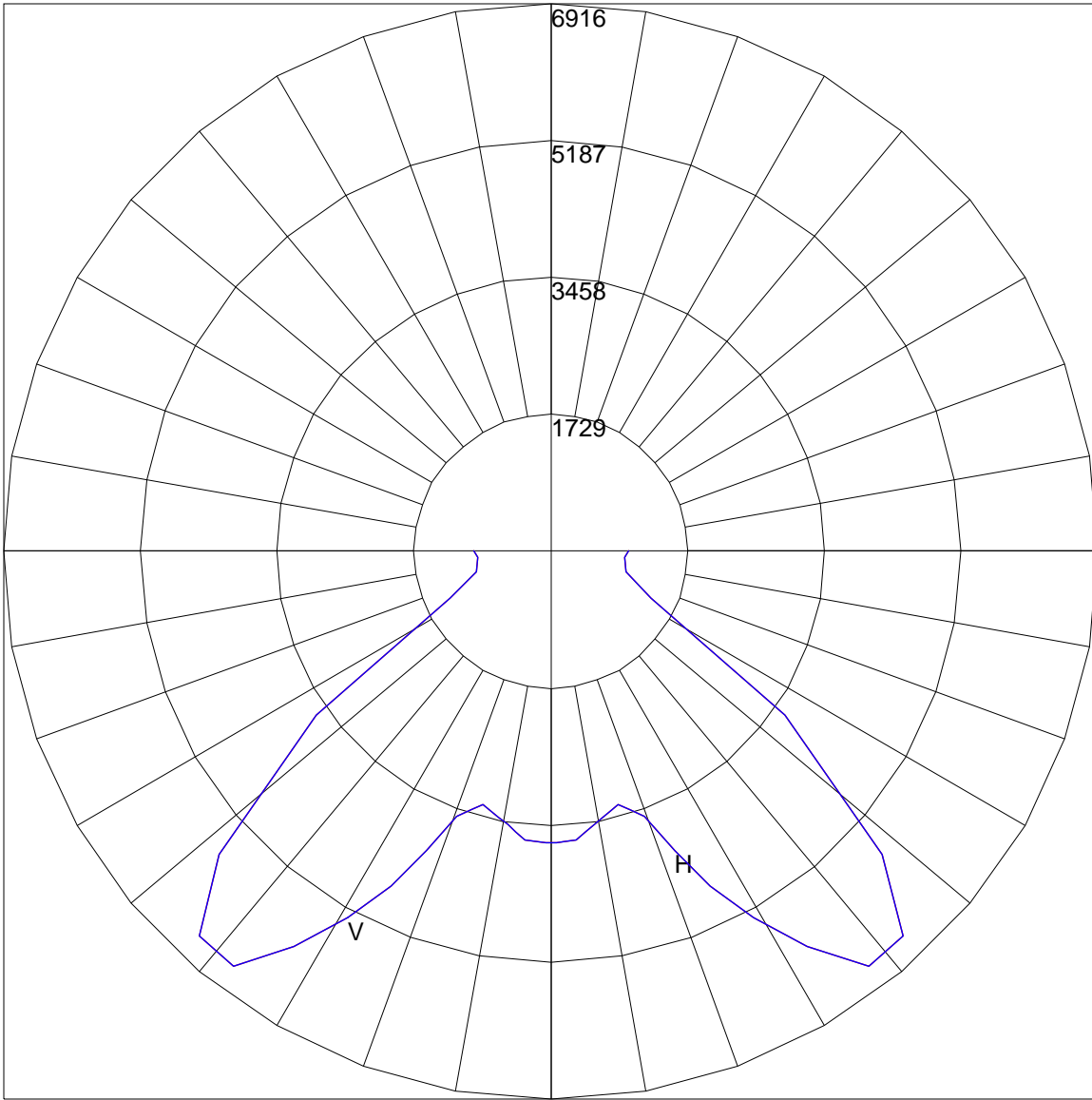
<b>13</b>	1.01 *	0.13 *	144.93
<b>11</b>	1.01 *	0.13 *	144.05
<b>9</b>	1.01 *	0.13 *	143.54
<b>7</b>	1.01 *	0.13 *	143.29
<b>5</b>	1.01 *	0.13 *	143.21
<b>3</b>	1.01 *	0.13 *	143.17
<b>1</b>	0.51 *	0.06 *	71.57
<b>0</b>	0.51 *	0.06 *	71.57
<b>-1</b>	1.01 *	0.13 *	143.17
<b>-3</b>	1.01 *	0.13 *	143.21
<b>-5</b>	1.01 *	0.13 *	143.29
<b>-7</b>	1.01 *	0.13 *	143.54
<b>-9</b>	1.01 *	0.13 *	144.05
<b>-11</b>	1.01 *	0.13 *	144.93
<b>-13</b>	1.01 *	0.13 *	146.35
<b>-15</b>	1.01 *	0.13 *	148.31
<b>-17</b>	1.26 *	0.16 *	188.84
<b>-19.5</b>	1.51 *	0.19 *	233.46
<b>-22.5</b>	1.51 *	0.19 *	241.57
<b>-25.5</b>	1.77 *	0.22 *	289.98
<b>-29</b>	2.02 *	0.26 *	338.04
<b>-33</b>	2.27 *	0.29 *	379.26
<b>-37.5</b>	2.52 *	0.32 *	395.26
<b>-42.5</b>	2.51 *	0.32 *	339.85
<b>-47.5</b>	3.77 *	0.48 *	374.32
<b>-55</b>	5.02 *	0.64 *	295.69
<b>-65</b>	5.03 *	0.65 *	187.33
<b>-75</b>	5.10 *	0.65 *	166.58

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL34827.IES**

**LUMENS TABULATION - (Cont.)**

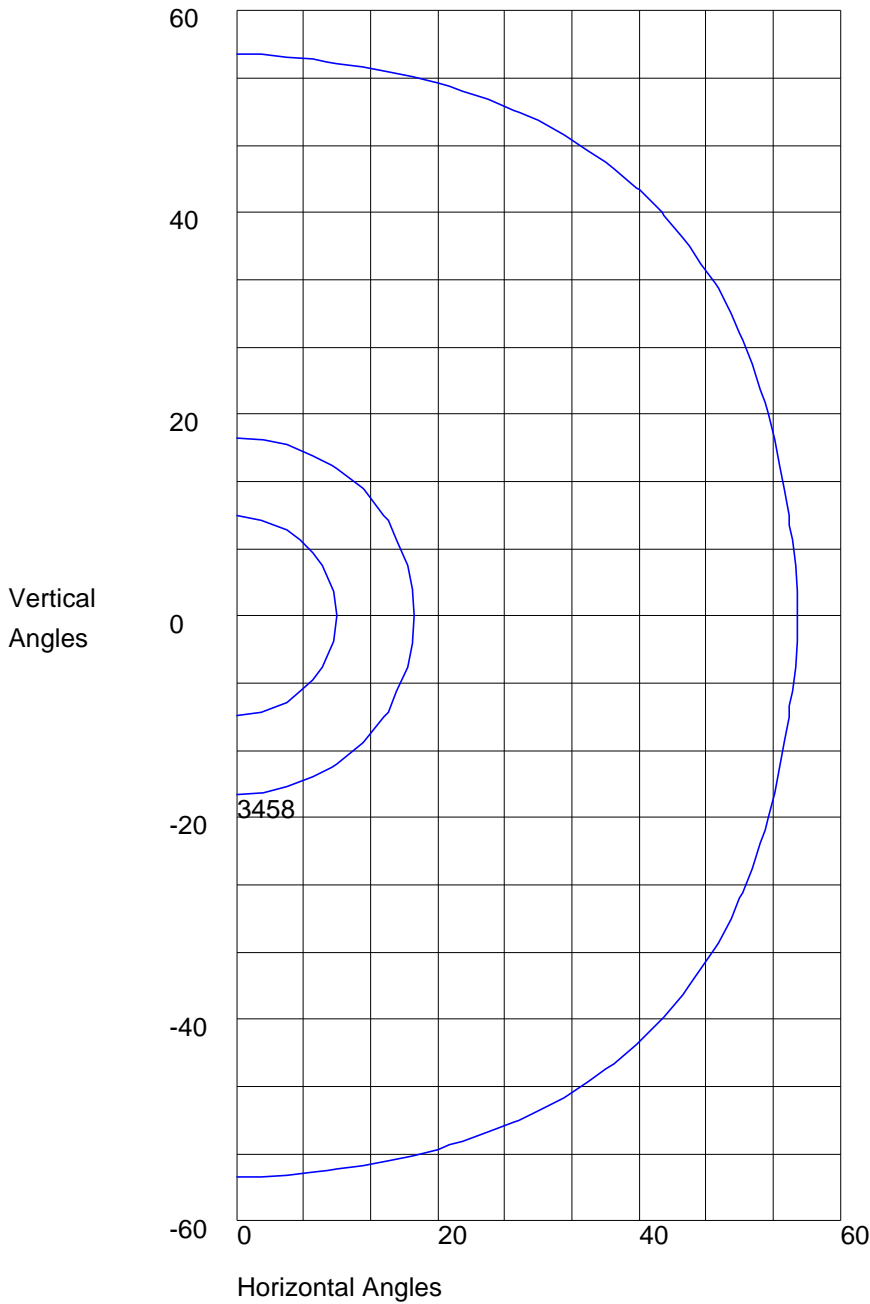
<b>-85</b>	2.58 *	0.33 *	83.97
<b>-90</b>			
<b>Total</b>	90.91	11.55	9485.17

AXIAL CANDELA DISPLAY



Maximum Candela = 6916 Located At Horizontal Angle =-29, Vertical Angle =-29  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 6916 Located At Horizontal Angle = -29, Vertical Angle = -29  
50% Maximum Candela = 3458  
10% Maximum Candela = 691.6