

LEXALITE INTERNATIONAL CORPORATION

10163 U.S. 31 North
Charlevoix, MI 49720
Phone (231) 547-6584 • Fax (231) 547-5833

REPORT NUMBER: 04280FP

PAGE: 1 OF 6

ISSUE DATE: 05/08/12

PREPARED FOR: ALP-LexaLite

CATALOG NUMBER: PLATFORM 352

LUMINAIRE: PLATFORM LED HOUSING WITH FLAT MIRO4 SPECULAR INTERNAL REFLECTOR AND 352 LENS AFTER SECOND POLISHING. PHOTOMETRIC CENTER LOCATED 1.6" BELOW REFRACTOR RIM.

LAMP: 3 CREE XML LED'S MOUNTED ON ADCO SUPPLIED BOARDS, 12 BOARDS FOR A TOTAL OF 36 LED'S. LED'S ARE FROM THE 280 LUMINOUS FLUX BIN

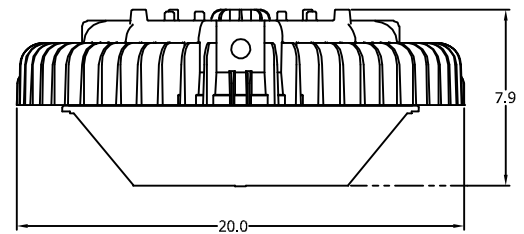
REFERENCE ONLY

MOUNTING: PENDANT

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	FLUX
0	974	974	974	974	974	
5	975	979	977	975	972	94
15	1005	999	991	984	986	282
25	1153	1097	1124	1074	1110	518
35	1463	1402	1441	1383	1441	882
45	1424	1376	1411	1362	1410	1071
55	1123	1100	1114	1083	1102	991
65	827	828	820	813	805	820
75	658	663	667	657	655	703
85	753	765	754	759	750	813
90	743	754	776	769	765	
95	662	667	690	687	677	743
105	316	329	323	324	320	350
115	56	58	56	58	56	61
125	10	11	12	12	12	11
135	3	3	2	2	3	2
145	2	0	0	1	2	1
155	0	0	0	0	0	1
165	0	1	1	1	1	0
175	1	3	3	2	3	0
180	1	1	1	1	1	



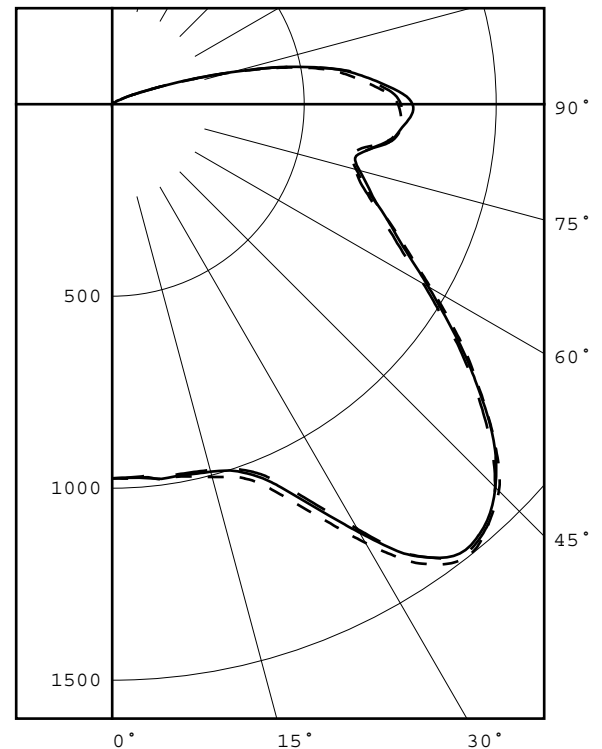
ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	894	12.2
0- 40	1777	24.2
0- 60	3838	52.3
0- 90	6175	84.1
90-120	1155	15.7
90-130	1166	15.9
90-150	1169	15.9
90-180	1170	15.9
0-180	7345	100.0

CIE TYPE - SEMI-DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 2.0 2.0 2.0



LEGEND:

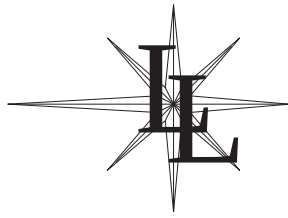
0-deg: - - - - -

90-deg: _____

180-deg: - . - . - .

Checked

Approved



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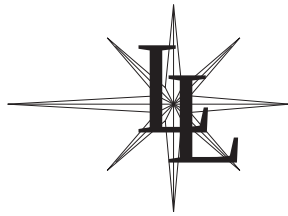
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ADDITIONAL INFORMATION

LED DRIVER: 96 WATT, 700mA INVENTRONICS EUC-096S070DT
STABILIZATION TIME: 0.50 HOURS
TOTAL OPERATING TIME: 15 HOURS
WATTS: 80 @ 120.03 VOLTS
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER
REFERENCE STANDARD: 100 WATT INCANDESCENT
TEST DISTANCE: 28 FEET
AMBIENT TEMPERATURE: 25 C
INSTRUMENT USED: GONIOPHOTOMETER
PROCEDURE: IESNA LM-79-08

LUMENS PER WATT: 76.51



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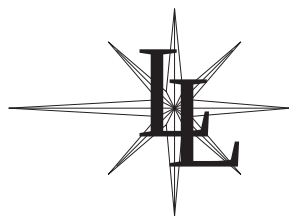
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LUMINOUS DIAMETER: 16.000
HEIGHT OF SIDE : 3.200

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 90-DEG	AVERAGE 180-DEG
45	12369.	12256.	12248.
55	11064.	10976.	10857.
65	9754.	9671.	9494.
75	10045.	10183.	9999.
85	17025.	17048.	16958.



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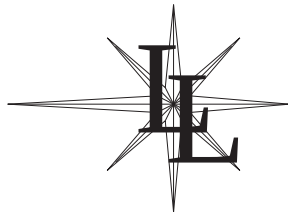
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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	974	974	974	974	974	974	974	974	974
5.0	975	980	979	977	977	976	975	973	972
10.0	985	988	989	988	983	982	983	985	979
15.0	1005	1001	999	997	991	988	984	986	986
20.0	1040	1033	1021	1022	1023	1012	1002	1006	1015
25.0	1153	1129	1097	1105	1124	1098	1074	1088	1110
30.0	1319	1292	1250	1259	1288	1254	1217	1239	1277
35.0	1463	1425	1402	1409	1441	1411	1383	1392	1441
40.0	1490	1462	1436	1457	1476	1451	1422	1439	1483
45.0	1424	1400	1376	1404	1411	1392	1362	1388	1410
50.0	1283	1263	1246	1274	1281	1263	1231	1255	1265
55.0	1123	1120	1100	1124	1114	1108	1083	1105	1102
60.0	959	972	956	973	951	961	941	953	936
65.0	827	836	828	830	820	827	813	818	805
70.0	724	727	726	725	727	723	715	715	714
75.0	658	657	663	658	667	657	657	652	655
80.0	660	662	680	658	679	672	677	681	678
85.0	753	754	765	759	754	757	759	764	750
90.0	743	751	754	769	776	769	769	784	765
95.0	662	667	667	683	690	689	687	691	677
100.0	538	544	549	552	549	558	556	551	548
105.0	316	322	329	323	323	328	324	324	320
110.0	134	133	139	134	135	136	136	134	131
115.0	56	58	58	58	56	58	58	56	56
120.0	23	24	25	25	24	24	26	25	24
125.0	10	10	11	10	12	12	12	13	12
130.0	3	5	3	5	4	6	3	6	4
135.0	3	3	3	5	2	3	2	2	3
140.0	2	1	2	2	1	1	0	2	2
145.0	2	1	0	1	0	1	1	1	2
150.0	4	2	2	1	1	3	2	1	2
155.0	0	0	0	0	0	1	0	0	0
160.0	1	1	1	1	0	0	1	0	0
165.0	0	0	1	1	1	1	1	0	1
170.0	1	0	1	1	2	2	2	3	1
175.0	1	2	3	1	3	2	2	3	3
180.0	1	1	1	1	1	1	1	1	1



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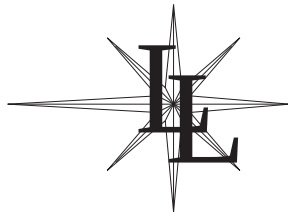
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ZONAL LUMEN SUMMARY

0- 5	23.
5- 10	70.
10- 15	117.
15- 20	165.
20- 25	220.
25- 30	298.
30- 35	398.
35- 40	484.
40- 45	531.
45- 50	540.
50- 55	514.
55- 60	477.
60- 65	430.
65- 70	390.
70- 75	357.
75- 80	346.
80- 85	393.
85- 90	420.
90- 95	401.
95-100	342.
100-105	238.
105-110	112.
110-115	43.
115-120	18.
120-125	8.
125-130	3.
130-135	1.
135-140	1.
140-145	0.
145-150	1.
150-155	1.
155-160	1.
160-165	0.
165-170	0.
170-175	0.
175-180	0.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	115	115	115	115	111	111	111	111	102	102	102	95	95	95	87	87	87	84
1	101	94	88	83	96	90	85	80	83	78	74	76	72	69	70	67	64	61
2	90	80	71	64	86	76	69	62	70	64	58	64	59	54	59	55	51	48
3	81	69	59	51	77	66	57	50	60	53	47	55	49	44	51	46	41	38
4	73	60	50	42	70	57	48	41	53	45	39	48	42	37	44	39	34	31
5	67	53	43	35	64	51	41	34	47	39	33	43	36	31	39	34	29	26
6	61	47	37	30	58	45	36	29	42	34	28	38	32	26	35	29	25	22
7	57	42	33	26	54	40	32	25	37	30	24	35	28	23	32	26	22	19
8	52	38	29	23	50	37	28	22	34	26	21	31	25	20	29	23	19	17
9	49	34	26	20	46	33	25	19	31	24	18	29	22	18	27	21	17	15
10	45	32	23	18	43	30	23	17	28	21	16	26	20	16	24	19	15	13

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE
BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES
ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.