

**LEXALITE
INTERNATIONAL
CORPORATION**

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

REPORT NUMBER: 04281FP

PAGE: 1 OF 6

ISSUE DATE: 05/08/12

PREPARED FOR: ALP-LexaLite

CATALOG NUMBER: PLATFORM 210

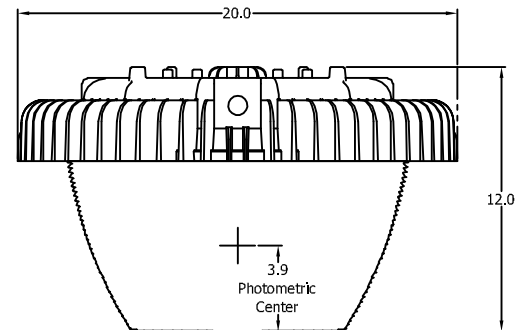
LUMINAIRE: PLATFORM LED HOUSING WITH FLAT MIRO4 SPECULAR INTERNAL REFLECTOR AND 210 LENS (AFTER RIM WAS THICKENED SLIGHTLY) . PHOTOMETRIC CENTER LOCATED 3.9" BELOW REFRACTOR RIM.

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

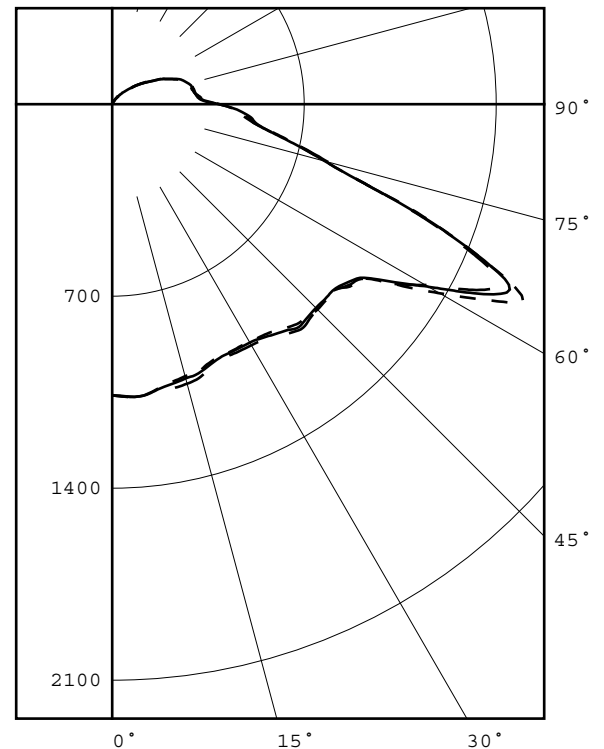
(SEE PAGE 2 FOR MORE INFORMATION)



CANDELA DISTRIBUTION

FLUX

	0.0	45.0	90.0	135.0	180.0	
0	1061	1061	1061	1061	1061	
5	1072	1069	1071	1071	1070	102
15	1027	1045	1035	1055	1055	293
25	1000	1013	1002	1015	1011	468
35	1014	1047	1025	1067	1038	652
45	1059	1028	1050	1034	1054	807
55	1109	1120	1104	1125	1110	1021
65	1647	1565	1599	1540	1557	1485
75	802	805	804	797	815	872
85	494	467	502	461	478	527
90	404	379	385	363	369	
95	320	312	316	311	311	346
105	292	283	289	288	287	302
115	217	214	219	213	218	216
125	134	132	132	132	131	118
135	67	68	68	68	67	54
145	29	30	30	30	32	19
155	9	8	8	9	9	4
165	4	3	3	2	4	0
175	2	2	2	2	4	0
180	2	2	2	2	2	



LEGEND:
0-deg: - - - - -
90-deg: _____
180-deg: - . - . - .

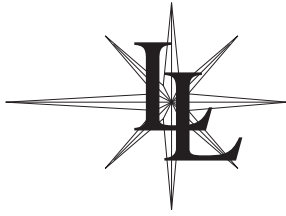
ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	863	11.9
0- 40	1514	20.8
0- 60	3342	46.0
0- 90	6227	85.6
90-120	864	11.9
90-130	982	13.5
90-150	1054	14.5
90-180	1059	14.6
0-180	7272	100.0

CIE TYPE - SEMI-DIRECT

PLANE : 0-DEG 90-DEG 180-DEG
SPACING CRITERIA : 1.5 1.5 1.5

Checked
Approved



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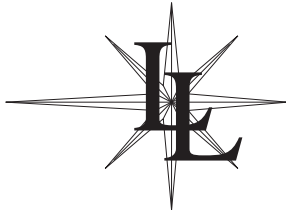
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ADDITIONAL INFORMATION

LED DRIVER: 96 WATT, 700mA INVENTRONICS EUC-096S070DT
TOTAL OPERATING TIME: 0.5 HOURS
WATTS: 79 @ 120.02 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: 75.75



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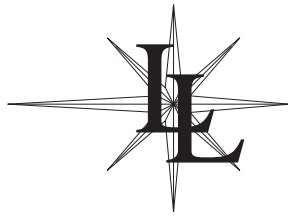
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LUMINOUS DIAMETER: 16.000
HEIGHT OF SIDE : 7.900

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 90-DEG	AVERAGE 180-DEG
45	7086.	7026.	7053.
55	7851.	7816.	7858.
65	12790.	12417.	12091.
75	7136.	7154.	7252.
85	5336.	5423.	5163.



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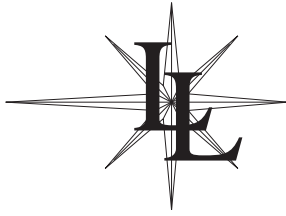
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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	1061	1061	1061	1061	1061	1061	1061	1061	1061
5.0	1072	1069	1069	1072	1071	1072	1071	1072	1070
10.0	1046	1047	1048	1050	1049	1054	1054	1060	1062
15.0	1027	1044	1045	1043	1035	1049	1055	1060	1055
20.0	1010	1011	1010	1018	1018	1017	1018	1026	1028
25.0	1000	1000	1013	1003	1002	1002	1015	1016	1011
30.0	1001	1007	1036	1012	1003	1010	1038	1026	1015
35.0	1014	1025	1047	1035	1025	1037	1067	1047	1038
40.0	1047	1035	1033	1049	1060	1050	1050	1054	1071
45.0	1059	1043	1028	1035	1050	1044	1034	1045	1054
50.0	1056	1044	1032	1035	1053	1055	1042	1045	1055
55.0	1109	1115	1120	1105	1104	1112	1125	1116	1110
60.0	1378	1335	1316	1328	1331	1301	1314	1316	1319
65.0	1647	1601	1565	1585	1599	1551	1540	1563	1557
70.0	1220	1235	1226	1228	1212	1216	1199	1214	1204
75.0	802	809	805	807	804	811	797	807	815
80.0	596	579	557	571	589	578	557	582	591
85.0	494	481	467	482	502	483	461	477	478
90.0	404	389	379	391	385	379	363	371	369
95.0	320	315	312	314	316	314	311	314	311
100.0	303	297	294	295	299	299	297	298	297
105.0	292	286	283	286	289	288	288	288	287
110.0	260	258	257	259	264	258	258	258	258
115.0	217	215	214	218	219	214	213	214	218
120.0	170	169	168	171	170	167	166	167	169
125.0	134	133	132	133	132	132	132	130	131
130.0	98	94	95	97	97	96	96	94	93
135.0	67	67	68	68	68	67	68	68	67
140.0	47	45	45	45	47	43	45	44	46
145.0	29	29	30	29	30	29	30	30	32
150.0	17	15	17	18	18	17	18	18	19
155.0	9	7	8	9	8	8	9	8	9
160.0	2	1	5	3	3	3	3	2	4
165.0	4	2	3	3	3	4	2	3	4
170.0	2	3	4	3	2	2	3	4	3
175.0	2	4	2	3	2	1	2	3	4
180.0	2	2	2	2	2	2	2	2	2



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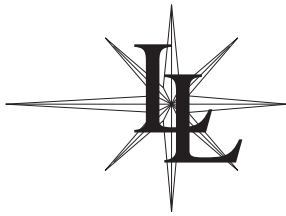
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ZONAL LUMEN SUMMARY

0- 5	25.
5- 10	76.
10- 15	124.
15- 20	169.
20- 25	212.
25- 30	256.
30- 35	303.
35- 40	349.
40- 45	386.
45- 50	421.
50- 55	466.
55- 60	555.
60- 65	725.
65- 70	760.
70- 75	510.
75- 80	362.
80- 85	280.
85- 90	247.
90- 95	181.
95-100	164.
100-105	158.
105-110	144.
110-115	121.
115-120	95.
120-125	69.
125-130	49.
130-135	32.
135-140	21.
140-145	12.
145-150	6.
150-155	3.
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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	85
1	101	95	89	84	97	91	86	81	84	80	76	77	74	71	71	69	66	63
2	90	79	70	63	85	76	68	61	70	63	58	64	59	54	59	55	51	47
3	80	67	57	49	76	64	55	48	59	51	45	54	48	42	50	44	40	37
4	72	58	48	40	68	56	46	39	51	43	36	47	40	34	43	37	32	29
5	66	51	40	33	62	49	39	32	45	36	30	41	34	28	38	32	27	24
6	60	45	35	28	57	43	34	27	40	32	25	37	29	24	34	27	23	20
7	55	40	30	24	52	39	30	23	36	28	22	33	26	21	30	24	20	17
8	51	36	27	21	49	35	26	20	32	25	19	30	23	18	28	22	17	15
9	48	33	24	18	45	32	23	18	30	22	17	27	21	16	25	19	15	13
10	44	30	22	16	42	29	21	16	27	20	15	25	19	14	23	18	14	12

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.