

LEXALITE
An A.L.P.
Lighting Brand

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

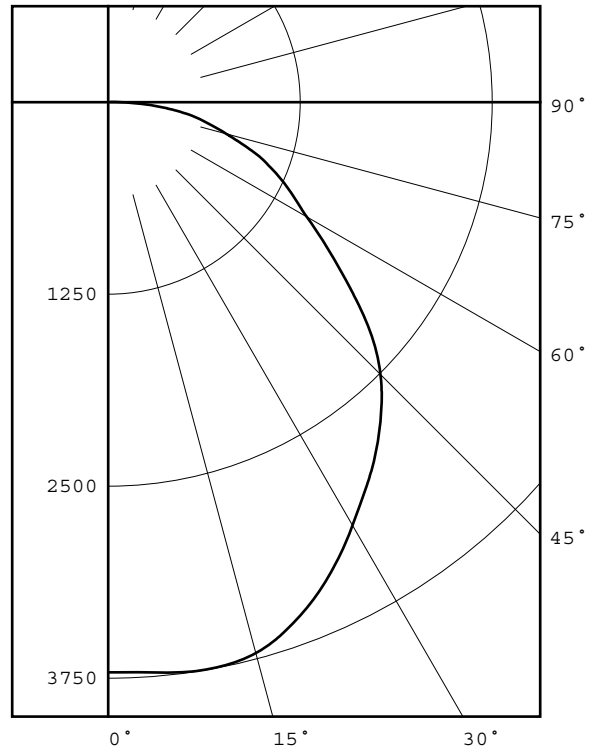
REPORT NUMBER: 03786FP PAGE: 1 OF 5
 ISSUE DATE: 04/25/11
 PREPARED FOR: ALP/LEXALITE
 CATALOG NUMBER: EXP 4RMT8
 LUMINAIRE: 4 LAMP HI BAY UNIT T8 WITH 95% REFLECTIVE MIRROR REFLECTOR,
 MEDIUM LAMP HOLDERS AND HIGH BALLAST FACTOR BALLAST.
 LAMP CAT. NO.: 146-149
 LAMPS: FOUR 32 WATT PHILIPS F32T8/TL841/ALTO T8 LINEAR FLOURESCENT
 BALLAST: ADVANCE IOPA-4P32-HL
 REFERENCE ONLY
 MOUNTING: HORIZONTAL
 STABILIZATION TIME: 0.75 HOURS
 TOTAL OPERATING TIME: 1.75 HOURS
 REPORT IS BASED ON 2950 LUMENS PER LAMP.
 (SEE PAGE 2 FOR MORE INFORMATION)

DEG	CANDELA	LUMENS
0	3712	
5	3727	357
15	3713	1047
25	3401	1568
35	2970	1860
45	2506	1929
55	1805	1623
65	1276	1259
75	796	849
85	332	360
90	69	
95	23	27
105	5	5
115	2	3
125	3	2
135	4	3
145	4	3
155	5	2
165	4	2
175	5	1
180	3	

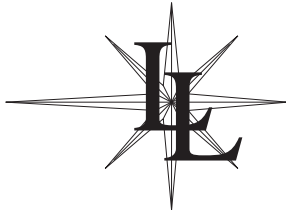
ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	2972	25.2	27.3
0- 40	4832	40.9	44.3
0- 60	8384	71.0	76.9
0- 90	10852	92.0	99.6
90-120	35	0.3	0.3
90-130	37	0.3	0.3
90-150	43	0.4	0.4
90-180	47	0.4	0.4
0-180	10899	92.4	100.0

TOTAL LUMINAIRE EFFICIENCY = 92.4 %

CIE TYPE - DIRECT
 LUMINAIRE SPACING CRITERION = 1.3



Checked
Approved



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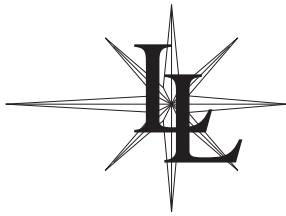
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ADDITIONAL INFORMATION

WATTS: 150.4 WATTS@ 120.05 VOLTS
TEST DISTANCE: 28 FEET
AMBIENT TEMPERATURE: 25C
INSTRUMENT USED: GONIOPHOTOMETER



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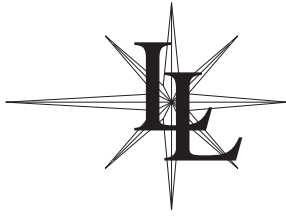
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CANDELA DISTRIBUTION

	0.0
0.0	3712
5.0	3727
10.0	3748
15.0	3713
20.0	3585
25.0	3401
30.0	3182
35.0	2970
40.0	2752
45.0	2506
50.0	2177
55.0	1805
60.0	1492
65.0	1276
70.0	1056
75.0	796
80.0	588
85.0	332
90.0	69
95.0	23
100.0	8
105.0	5
110.0	3
115.0	2
120.0	3
125.0	3
130.0	3
135.0	4
140.0	3
145.0	4
150.0	5
155.0	5
160.0	4
165.0	4
170.0	4
175.0	5
180.0	3



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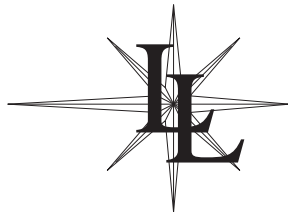
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ZONAL LUMEN SUMMARY

0- 5	89.
5- 10	268.
10- 15	444.
15- 20	603.
20- 25	734.
25- 30	834.
30- 35	904.
35- 40	956.
40- 45	976.
45- 50	953.
50- 55	863.
55- 60	760.
60- 65	669.
65- 70	590.
70- 75	483.
75- 80	367.
80- 85	254.
85- 90	106.
90- 95	20.
95-100	7.
100-105	3.
105-110	2.
110-115	2.
115-120	1.
120-125	1.
125-130	1.
130-135	1.
135-140	1.
140-145	1.
145-150	1.
150-155	1.
155-160	1.
160-165	1.
165-170	1.
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	110	110	110	110	110	107	107	107	107	102	102	102	98	98	98	94	94	94	92
1	100	95	91	87	87	97	93	89	86	89	86	83	85	83	80	82	80	78	76
2	91	83	76	71	71	88	81	75	70	78	73	68	74	70	67	72	68	65	63
3	83	73	65	59	59	80	71	64	58	68	62	57	66	60	56	63	59	55	53
4	76	64	56	50	50	73	63	55	49	61	54	49	58	53	48	56	51	47	45
5	70	58	49	43	43	68	56	49	43	54	48	42	53	46	42	51	45	41	39
6	64	52	44	38	38	62	51	43	37	49	42	37	48	41	37	46	41	36	34
7	60	47	39	33	33	58	46	39	33	45	38	33	43	37	32	42	37	32	30
8	56	43	35	30	30	54	42	35	30	41	34	29	40	34	29	39	33	29	27
9	52	39	32	27	27	51	39	32	27	38	31	26	37	31	26	36	30	26	24
10	49	36	29	24	24	47	36	29	24	35	28	24	34	28	24	33	28	24	22

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.000. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.