

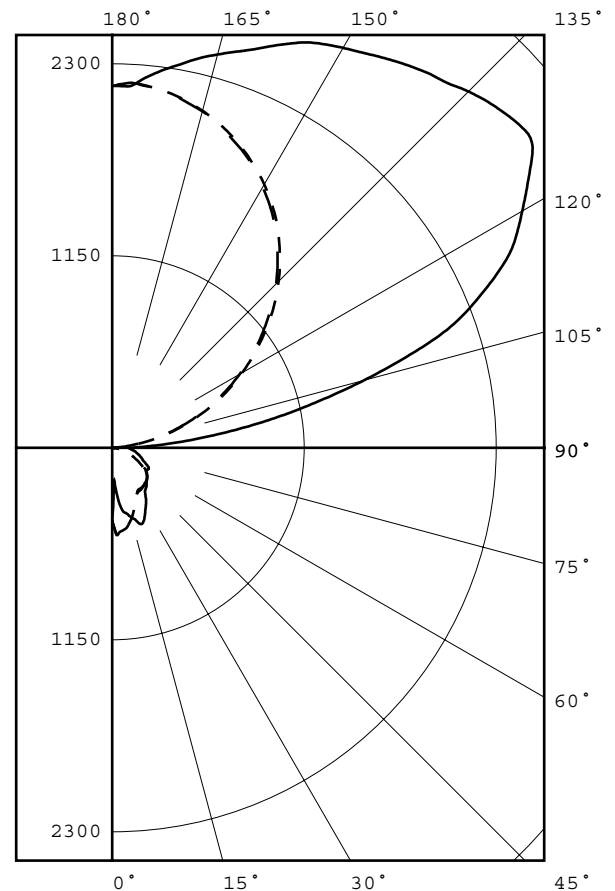
**LEXALITE
INTERNATIONAL
CORPORATION**

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

REPORT NUMBER: 03160
PREPARED FOR: ADAM METALS
CATALOG NUMBER: 851
LUMINAIRE: DIRECT/INDIRECT WITH NEW REFLECTOR AND WHITE OVERLAY
LAMP CAT. NO.: 183-185
LAMPS: THREE 54W T5 LINEAR FLUORESCENT FP54/835HO/ECO
BALLAST CAT. NO.: N/A
BALLAST: FULHAM WORKHORSE 7
REFERENCE ONLY
MOUNTING: PENDANT
REPORT IS BASED ON 5000 LUMENS PER LAMP.

DATE: 07/01/09

CANDELA DISTRIBUTION						FLUX
	0.0	45.0	90.0	135.0	180.0	
0	433	433	433	433	433	
5	505	468	252	469	507	42
15	442	427	429	430	440	122
25	339	397	459	391	341	184
35	303	359	348	355	296	215
45	284	280	292	280	286	228
55	240	224	248	227	250	212
65	154	175	221	180	167	181
75	77	124	166	129	86	132
85	20	68	117	73	23	79
90	1	79	110	68	3	
95	62	369	422	355	57	386
105	367	1497	1561	1471	356	1322
115	723	2156	2579	2129	707	1875
125	1072	2345	3073	2323	1055	1988
135	1409	2393	3018	2365	1389	1791
145	1701	2425	2848	2403	1681	1477
155	1926	2368	2678	2353	1917	1084
165	2090	2304	2439	2299	2086	648
175	2181	2190	2222	2185	2178	211
180	2167	2167	2167	2167	2167	



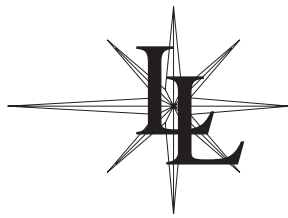
LEGEND:
0-deg: - - - - -
90-deg: _____
180-deg: - . - . - .

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	347	2.3	2.9
0- 40	563	3.8	4.6
0- 60	1003	6.7	8.2
0- 90	1395	9.3	11.5
90-120	3582	23.9	29.4
90-130	5570	37.1	45.7
90-150	8837	58.9	72.6
90-180	10780	71.9	88.5
0-180	12175	81.2	100.0

TOTAL LUMINAIRE EFFICIENCY = 81.2 %

CIE TYPE - SEMI-INDIRECT
PLANE : 0-DEG 90-DEG 180-DEG
SPACING CRITERIA : 1.1 1.3 1.1

Checked
Approved



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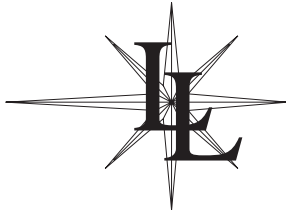
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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	433	433	433	433	433	433	433	433	433
5.0	505	498	468	367	252	376	469	503	507
10.0	488	482	447	392	390	400	454	485	488
15.0	442	441	427	423	429	409	430	445	440
20.0	385	406	411	435	485	426	411	416	384
25.0	339	377	397	429	459	422	391	382	341
30.0	307	344	383	401	402	396	383	348	302
35.0	303	334	359	357	348	359	355	334	296
40.0	296	337	320	309	314	313	325	342	293
45.0	284	324	280	289	292	292	280	328	286
50.0	270	275	244	266	271	270	253	290	275
55.0	240	224	224	242	248	246	227	235	250
60.0	197	170	195	231	252	234	204	184	211
65.0	154	135	175	216	221	219	180	143	167
70.0	115	111	158	178	191	185	170	120	126
75.0	77	87	124	154	166	158	129	94	86
80.0	45	64	95	126	142	133	103	71	50
85.0	20	37	68	101	117	107	73	41	23
90.0	1	34	79	101	110	96	68	32	3
95.0	62	328	369	396	422	388	355	289	57
100.0	201	793	961	945	948	925	899	760	192
105.0	367	1075	1497	1549	1561	1532	1471	1055	356
110.0	542	1214	1886	2130	2185	2113	1854	1206	527
115.0	723	1353	2156	2487	2579	2468	2129	1332	707
120.0	900	1486	2314	2736	2836	2715	2293	1460	881
125.0	1072	1620	2345	2927	3073	2914	2323	1594	1055
130.0	1247	1738	2371	2900	3095	2890	2343	1712	1222
135.0	1409	1835	2393	2843	3018	2830	2365	1813	1389
140.0	1560	1927	2420	2794	2933	2781	2394	1901	1540
145.0	1701	2008	2425	2733	2848	2721	2403	1988	1681
150.0	1822	2077	2409	2679	2766	2672	2387	2055	1804
155.0	1926	2128	2368	2592	2678	2585	2353	2109	1917
160.0	2017	2167	2348	2494	2544	2495	2329	2153	2005
165.0	2090	2182	2304	2399	2439	2393	2299	2171	2086
170.0	2146	2192	2258	2313	2331	2312	2245	2186	2143
175.0	2181	2188	2190	2206	2222	2196	2185	2180	2178
180.0	2167	2167	2167	2167	2167	2167	2167	2167	2167



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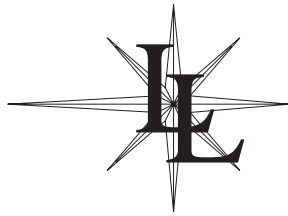
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ZONAL LUMEN SUMMARY

0- 5	10.
5- 10	31.
10- 15	52.
15- 20	70.
20- 25	87.
25- 30	97.
30- 35	105.
35- 40	110.
40- 45	114.
45- 50	114.
50- 55	110.
55- 60	103.
60- 65	96.
65- 70	85.
70- 75	72.
75- 80	60.
80- 85	46.
85- 90	33.
90- 95	87.
95-100	299.
100-105	555.
105-110	767.
110-115	898.
115-120	977.
120-125	1003.
125-130	985.
130-135	931.
135-140	860.
140-145	783.
145-150	694.
150-155	596.
155-160	489.
160-165	379.
165-170	269.
170-175	159.
175-180	52.



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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	80	80	80	80	69	69	69	69	50	50	50	33	33	33	17	17	17	9
1	72	69	66	63	63	60	58	55	44	42	41	28	28	27	14	14	14	7
2	66	60	55	51	57	52	48	45	38	35	33	25	23	22	13	12	11	6
3	60	52	47	42	52	46	41	37	33	30	28	22	20	19	11	10	10	5
4	54	46	40	36	47	40	35	31	29	26	23	19	17	16	10	9	8	4
5	50	41	35	30	43	36	31	27	26	23	20	17	15	13	9	8	7	4
6	46	36	30	26	40	32	27	23	23	20	17	15	13	12	8	7	6	3
7	42	33	27	22	36	29	24	20	21	18	15	14	12	10	7	6	5	3
8	39	29	24	20	34	26	21	17	19	16	13	13	10	9	7	6	5	3
9	36	27	21	17	31	23	19	15	17	14	12	12	9	8	6	5	4	2
10	34	24	19	15	29	21	17	14	16	13	10	11	8	7	6	5	4	2

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.