

REPORT NUMBER: ITL70234

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ISSUE DATE: 11/01/11

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: 907S-03-X-4-X-OC0/MPL-X-120-T8

LUMINAIRE: EXTRUDED SEMI-DIFFUSE METAL HOUSING WITH FABRICATED SEMI-DIFFUSE METAL END CAPS, TWO FORMED METAL SIDE REFLECTORS WITH PREMIUM SPECULAR FINISH, FORMED WHITE PAINTED METAL UPPER REFLECTOR, CLEAR FLAT MICRO-PRISMATIC PLASTIC LENS. LENS PRISMS DOWN.

LAMPS: THREE 32-WATT T-8 F032/835 LINEAR FLUORESCENTS.

BALLAST: ONE SYLVANIA QTP 1X32T8/UNV ISN-SC, ONE SYLVANIA QTP 2X32T8/UNV ISN-SC

MOUNTING: SUSPENDED

TOTAL REFLECTANCE OF PAINT = 90.4 %

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

TOTAL INPUT WATTS = 78.5 AT 120.0 VOLTS

LUMEN TO CANDELA RATIO USED = 9.17

REPORT IS BASED ON 2950 LUMENS PER LAMP.

CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	2872	2872	2872	2872	2872	
5	2867	2873	2870	2854	2853	273
15	2785	2793	2793	2788	2789	787
25	2567	2576	2586	2597	2590	1190
35	2216	2240	2248	2247	2244	1390
45	1418	1431	1393	1332	1322	1072
55	606	607	571	565	586	537
65	280	319	309	300	306	308
75	176	200	188	178	186	197
85	90	87	84	84	74	86
90	0	0	0	0	0	

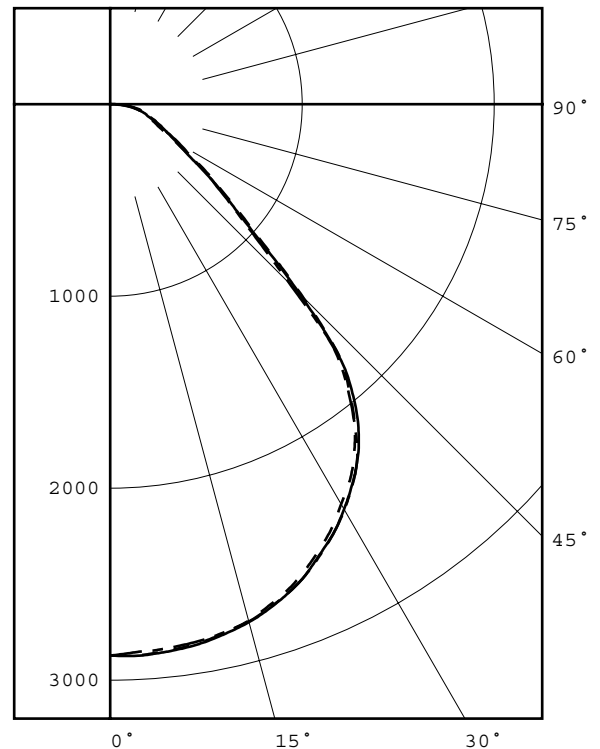
ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	2249	25.4	38.5
0- 40	3640	41.1	62.3
0- 60	5249	59.3	89.9
0- 90	5841	66.0	100.0
90-180	0	0.0	0.0
0-180	5841	66.0	100.0

TOTAL LUMINAIRE EFFICIENCY = 66.0 %

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.24 1.26
SHIELDING ANGLES : 90 90
LUMINOUS LENGTH : 44.125 5.500

LUMINANCE DATA IN CANDELA/SQ M			
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	12808.	12582.	11941.
55	6748.	6358.	6525.
65	4232.	4670.	4624.
75	4343.	4639.	4590.
85	6595.	6156.	5423.



LEGEND:
0-deg: - - - - -
45-deg: _____
90-deg: - - - - -

CheckedS.BERGIN.....
ApprovedR.BEATTIE.....
Lighting Engineer



INDEPENDENT TESTING LABORATORIES, INC.
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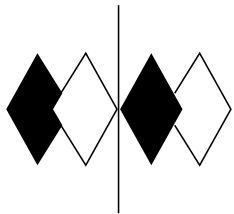
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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	2872	2872	2872	2872	2872
2.5	2874	2880	2876	2859	2858
5.0	2867	2873	2870	2854	2853
7.5	2855	2860	2860	2844	2843
10.0	2839	2845	2844	2830	2831
12.5	2814	2820	2820	2809	2811
15.0	2785	2793	2793	2788	2789
17.5	2741	2754	2755	2757	2752
20.0	2695	2699	2710	2710	2709
22.5	2636	2641	2655	2657	2656
25.0	2567	2576	2586	2597	2590
27.5	2495	2501	2519	2521	2520
30.0	2406	2426	2436	2448	2439
32.5	2323	2333	2347	2352	2349
35.0	2216	2240	2248	2247	2244
37.5	2090	2129	2124	2117	2089
40.0	1934	1977	1963	1932	1921
42.5	1752	1776	1743	1715	1724
45.0	1418	1431	1393	1332	1322
47.5	1096	1091	1074	1057	1029
50.0	883	882	853	872	836
52.5	722	719	706	699	695
55.0	606	607	571	565	586
57.5	481	512	468	465	487
60.0	395	420	404	392	424
62.5	328	362	350	347	359
65.0	280	319	309	300	306
67.5	251	277	278	257	268
70.0	226	248	235	226	248
72.5	203	228	206	203	211
75.0	176	200	188	178	186
77.5	156	169	162	157	163
80.0	156	140	138	139	133
82.5	116	116	115	117	105
85.0	90	87	84	84	74
87.5	56	54	48	45	36
90.0	0	0	0	0	0



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5-DEGREE

ZONAL LUMEN SUMMARY

0- 5	69.
5- 10	204.
10- 15	334.
15- 20	453.
20- 25	555.
25- 30	635.
30- 35	689.
35- 40	702.
40- 45	630.
45- 50	443.
50- 55	311.
55- 60	226.
60- 65	172.
65- 70	136.
70- 75	110.
75- 80	87.
80- 85	62.
85- 90	25.

10-DEGREE

ZONAL LUMEN SUMMARY

0- 10	273.
0- 20	1059.
0- 30	2249.
0- 40	3640.
0- 50	4712.
0- 60	5249.
0- 70	5557.
0- 80	5755.
0- 90	5841.
0-100	5841.
0-110	5841.
0-120	5841.
0-130	5841.
0-140	5841.
0-150	5841.
0-160	5841.
0-170	5841.
0-180	5841.



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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	79	79	79	79	77	77	77	77	73	73	73	70	70	70	67	67	67	66
1	73	70	68	66	71	69	67	65	66	64	63	64	62	61	61	60	59	58
2	68	63	59	56	66	62	58	55	60	57	54	57	55	53	56	54	52	51
3	63	57	52	48	61	56	51	48	54	50	47	52	49	46	50	48	46	44
4	58	51	46	42	57	50	46	42	49	45	42	47	44	41	46	43	41	39
5	54	47	41	38	53	46	41	37	45	40	37	43	40	37	42	39	36	35
6	50	42	37	33	49	42	37	33	41	36	33	40	36	33	39	35	33	31
7	47	39	34	30	46	38	34	30	37	33	30	37	33	30	36	32	29	28
8	44	36	31	27	43	35	31	27	35	30	27	34	30	27	33	29	27	26
9	41	33	28	25	40	33	28	25	32	28	25	31	27	25	31	27	24	23
10	39	31	26	23	38	30	26	23	30	26	23	29	25	22	29	25	22	21

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.