

REPORT NUMBER: ITL77263

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ISSUE DATE: 05/21/13

REVISED: 06/18/13

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: MLS5-D1-4-PBW-120-T8

LUMINAIRE: EXTRUDED METAL HOUSING WITH WHITE PAINTED GENERAL INTERIOR FINISH AND FABRICATED WHITE PAINTED FLAT METAL END CAPS, FORMED WHITE PAINTED METAL REFLECTOR AND SOCKET MOUNTING BRACKETS, FABRICATED WHITE PAINTED METAL PARABOLIC 32-CELL LOUVER.

LAMP: ONE 32-WATT T-8 FO32/835 LINEAR FLUORESCENT.

BALLAST: UNIVERSAL B232IUNV-C

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMP.

TOTAL REFLECTANCE OF PAINT = 89.3 %

MOUNTING: SURFACE/SUSPENDED

TOTAL INPUT WATTS = 32.3 AT 120.0 VOLTS

REPORT IS BASED ON 2950 LUMENS PER LAMP.

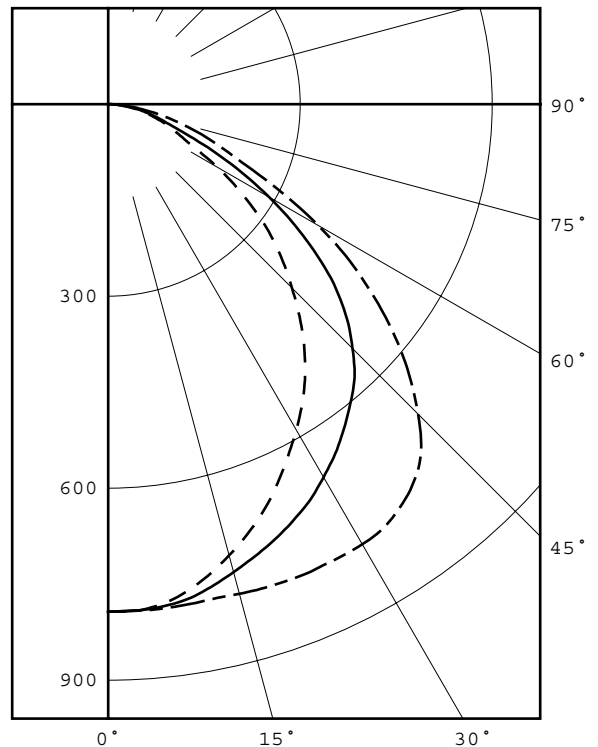
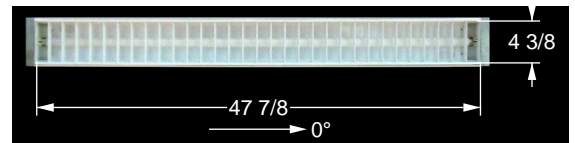
CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	793	793	793	793	793	
5	789	783	791	794	793	75
15	730	731	757	784	792	214
25	639	651	706	766	795	328
35	535	558	635	727	782	403
45	406	446	540	627	685	414
55	269	315	386	440	493	339
65	134	146	196	232	259	196
75	70	72	78	99	118	92
85	18	19	21	25	28	25
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY				
ZONE	LUMENS	%LAMP	%FIXT	
0- 30	617	20.9	29.6	
0- 40	1019	34.6	48.9	
0- 60	1773	60.1	85.0	
0- 90	2086	70.7	100.0	
90-180	0	0.0	0.0	
0-180	2086	70.7	100.0	

TOTAL LUMINAIRE EFFICIENCY = 70.7 %

CIE TYPE - DIRECT
PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.12 1.50
SHIELDING ANGLES : 27 23
LUMINOUS LENGTH : 47.875 4.375

LUMINANCE DATA IN CANDELA/SQ M				
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG	
45	4249.	5651.	7169.	
55	3471.	4980.	6361.	
65	2346.	3432.	4535.	
75	2001.	2230.	3374.	
85	1528.	1783.	2377.	



LEGEND:
0-deg -----
45-deg =====
90-deg -----

Checked M KLOPF
Approved R BEATTIE
Lighting Engineer



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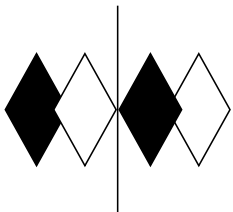
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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	793	793	793	793	793
2.5	793	787	793	794	792
5.0	789	783	791	794	793
7.5	780	776	787	792	792
10.0	766	764	780	790	791
12.5	749	748	769	786	790
15.0	730	731	757	784	792
17.5	710	713	745	782	794
20.0	688	694	733	778	795
22.5	665	673	720	773	796
25.0	639	651	706	766	795
27.5	613	627	691	759	795
30.0	588	603	673	750	794
32.5	562	581	655	740	791
35.0	535	558	635	727	782
37.5	505	532	614	709	769
40.0	474	505	593	688	751
42.5	440	476	570	662	724
45.0	406	446	540	627	685
47.5	374	414	509	583	642
50.0	341	383	473	536	596
52.5	307	350	433	490	546
55.0	269	315	386	440	493
57.5	233	276	339	389	439
60.0	197	233	290	338	379
62.5	161	189	242	283	317
65.0	134	146	196	232	259
67.5	116	121	153	187	211
70.0	100	103	118	152	178
72.5	85	87	95	125	148
75.0	70	72	78	99	118
77.5	57	58	62	76	92
80.0	44	45	48	56	67
82.5	31	31	34	40	46
85.0	18	19	21	25	28
87.5	7	8	9	11	12
90.0	0	0	0	0	0



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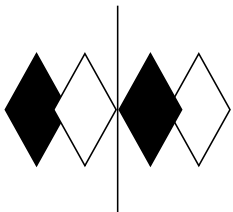
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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	19
5- 10	56
10- 15	91
15- 20	123
20- 25	152
25- 30	176
30- 35	195
35- 40	208
40- 45	211
45- 50	203
50- 55	184
55- 60	154
60- 65	116
65- 70	80
70- 75	56
75- 80	36
80- 85	20
85- 90	6

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	75
0- 20	289
0- 30	617
0- 40	1019
0- 50	1434
0- 60	1773
0- 70	1969
0- 80	2061
0- 90	2086



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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	84	84	84	84	82	82	82	82	79	79	79	75	75	75	72	72	72	71	71
1	78	74	72	69	76	73	70	68	70	68	66	67	65	64	65	63	62	61	61
2	71	66	61	57	69	64	60	57	62	58	55	59	57	54	57	55	53	51	51
3	65	58	52	48	63	57	52	48	55	50	47	53	49	46	51	48	45	44	44
4	60	52	46	41	58	51	45	41	49	44	40	47	43	40	46	42	39	38	38
5	55	46	40	36	54	45	40	35	44	39	35	43	38	35	41	37	34	33	33
6	51	42	36	31	49	41	35	31	40	35	31	39	34	30	37	33	30	29	29
7	47	38	32	28	46	37	32	27	36	31	27	35	31	27	34	30	27	25	25
8	44	35	29	25	43	34	28	25	33	28	24	32	28	24	31	27	24	23	23
9	41	32	26	22	40	31	26	22	30	25	22	30	25	22	29	25	22	20	20
10	38	29	24	20	38	29	24	20	28	23	20	28	23	20	27	23	20	19	19

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.