

REPORT NUMBER: ITL77262

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ISSUE DATE: 05/21/13

REVISED: 06/18/13

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: MLS5-D1-4-PB-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 SEMI-DIFFUSE 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 = 32.5 AT 120.0 VOLTS

REPORT IS BASED ON 2950 LUMENS PER LAMP.

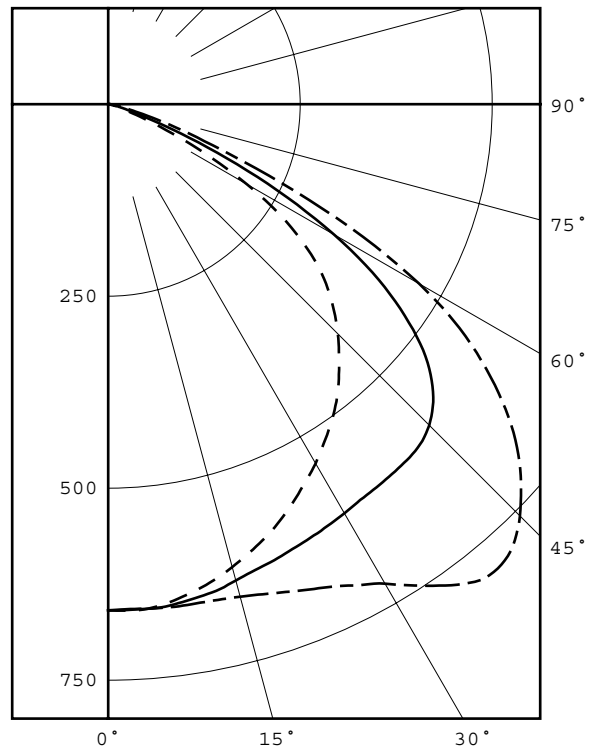
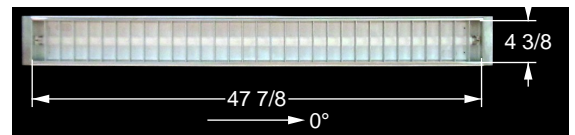
CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	659	659	659	659	659	
5	658	652	659	661	659	63
15	624	623	642	660	664	182
25	571	580	623	671	693	290
35	506	532	609	705	765	389
45	423	476	591	694	758	451
55	305	376	464	533	601	402
65	101	127	185	237	269	188
75	12	15	19	33	37	30
85	2	2	2	3	4	3
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	534	18.1	26.8
0- 40	923	31.3	46.2
0- 60	1776	60.2	88.9
0- 90	1997	67.7	100.0
90-180	0	0.0	0.0
0-180	1997	67.7	100.0

TOTAL LUMINAIRE EFFICIENCY = 67.7 %

CIE TYPE - DIRECT
PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.22 1.77
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	4427.	6185.	7933.	
55	3935.	5986.	7754.	
65	1769.	3239.	4710.	
75	343.	543.	1058.	
85	170.	170.	340.	



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

Checked M KLOPF
Approved R BEATTIE
Lighting Engineer



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 THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
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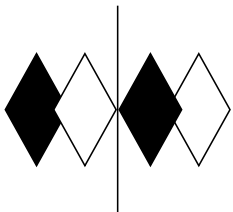
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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	659	659	659	659	659
2.5	660	654	659	660	658
5.0	658	652	659	661	659
7.5	652	648	657	661	660
10.0	644	642	653	660	660
12.5	635	633	649	659	661
15.0	624	623	642	660	664
17.5	612	614	636	662	669
20.0	600	603	632	664	676
22.5	586	592	627	667	684
25.0	571	580	623	671	693
27.5	555	566	619	675	706
30.0	540	554	615	682	721
32.5	523	542	611	693	743
35.0	506	532	609	705	765
37.5	488	519	607	717	784
40.0	467	506	605	720	789
42.5	445	492	601	713	780
45.0	423	476	591	694	758
47.5	399	459	574	663	729
50.0	373	438	548	627	695
52.5	343	412	512	584	652
55.0	305	376	464	533	601
57.5	261	329	408	476	542
60.0	209	269	339	409	467
62.5	154	199	263	328	374
65.0	101	127	185	237	269
67.5	58	74	115	155	175
70.0	31	40	61	96	113
72.5	19	23	32	58	68
75.0	12	15	19	33	37
77.5	8	9	12	19	22
80.0	5	6	8	10	13
82.5	3	3	5	6	7
85.0	2	2	2	3	4
87.5	1	1	1	1	1
90.0	0	0	0	0	0



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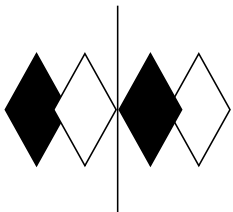
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5-DEGREE
 ZONAL LUMEN SUMMARY

0- 5	16
5- 10	47
10- 15	77
15- 20	105
20- 25	132
25- 30	158
30- 35	183
35- 40	206
40- 45	223
45- 50	228
50- 55	217
55- 60	185
60- 65	127
65- 70	61
70- 75	22
75- 80	8
80- 85	3
85- 90	1

10-DEGREE
 ZONAL LUMEN SUMMARY

0- 10	63
0- 20	244
0- 30	534
0- 40	923
0- 50	1374
0- 60	1776
0- 70	1964
0- 80	1994
0- 90	1997



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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	81	81	81	81	79	79	79	79	75	75	75	72	72	72	69	69	69	68	
1	75	72	69	67	73	70	68	66	68	66	64	65	64	62	63	61	60	59	
2	68	63	59	56	67	62	58	55	60	57	54	58	55	53	56	53	51	50	
3	63	56	51	47	61	55	50	46	53	49	46	51	48	45	49	46	44	43	
4	57	50	44	40	56	49	43	39	47	42	39	45	42	38	44	41	38	36	
5	53	44	38	34	51	43	38	34	42	37	33	41	36	33	39	36	33	31	
6	48	40	34	29	47	39	33	29	38	33	29	37	32	29	36	32	29	27	
7	45	36	30	26	44	35	30	26	34	29	26	33	29	25	32	28	25	24	
8	42	33	27	23	40	32	27	23	31	26	23	30	26	23	30	25	22	21	
9	39	30	24	20	38	29	24	20	29	24	20	28	23	20	27	23	20	19	
10	36	27	22	18	35	27	22	18	26	22	18	26	21	18	25	21	18	17	

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.