

REPORT NUMBER: ITL70227

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ISSUE DATE: 10/18/11

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: 907D-02-X-4-X-PB-X-120-T8

LUMINAIRE: EXTRUDED SEMI-DIFFUSE METAL HOUSING WITH CAST DIFFUSE METAL
END CAPS, FORMED TWO-PIECE WHITE-PAINTED METAL REFLECTOR,
FABRICATED SEMI-SPECULAR METAL PARABOLIC 32-CELL LOUVER.

LAMPS: TWO 32-WATT T-8 FO32/835 LINEAR FLUORESCENTS.

BALLAST: SYLVANIA QTP 2X32T8/UNV ISN-SC

MOUNTING: SUSPENDED

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

TOTAL INPUT WATTS = 54.4 AT 120.0 VOLTS

LUMEN TO CANDELA RATIO USED = 9.17

REPORT IS BASED ON 2950 LUMENS PER LAMP.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1615	1615	1615	1615	1615	
5	1617	1614	1616	1610	1608	154
15	1536	1552	1591	1617	1624	448
25	1401	1443	1528	1602	1623	701
35	1216	1292	1398	1440	1468	855
45	980	1100	1156	1210	1265	886
55	628	768	874	964	1042	758
65	88	135	373	608	743	391
75	20	23	34	113	179	83
85	2	3	4	7	12	8
90	0	0	0	0	0	

FLUX

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	1303	22.1	30.4
0- 40	2158	36.6	50.4
0- 60	3802	64.4	88.7
0- 90	4284	72.6	100.0
90-180	0	0.0	0.0
0-180	4284	72.6	100.0

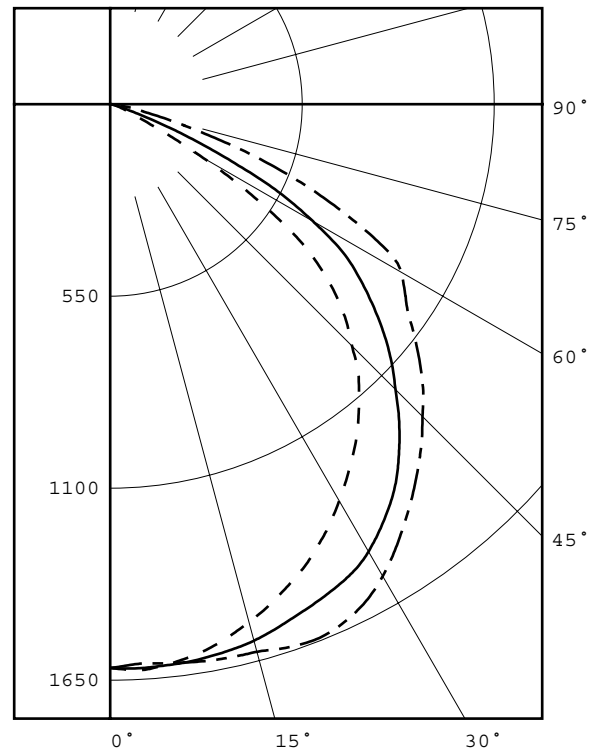
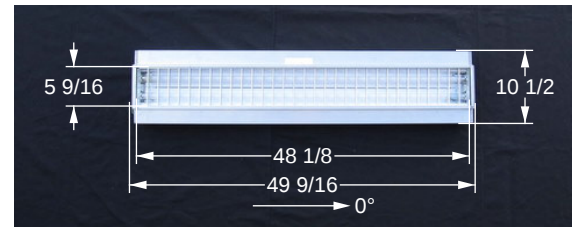
TOTAL LUMINAIRE EFFICIENCY = 72.6 %

CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.21	1.40
SHIELDING ANGLES	: 28	14
LUMINOUS LENGTH	: 48.125	5.563

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	8025.	9466.	10359.
55	6340.	8823.	10519.
65	1206.	5110.	10180.
75	447.	761.	4005.
85	133.	266.	797.

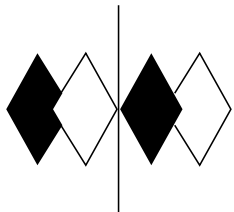


LEGEND:

0-deg: - - - - -
45-deg: - - - - -
90-deg: - - - - -

CheckedS.BERGIN.....

ApprovedR.BEATTIE.....
Lighting Engineer



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

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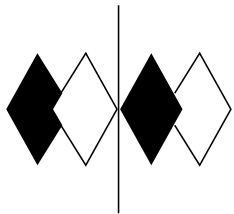
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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	1615	1615	1615	1615	1615
2.5	1623	1620	1618	1609	1606
5.0	1617	1614	1616	1610	1608
7.5	1604	1606	1614	1613	1613
10.0	1587	1593	1608	1617	1619
12.5	1563	1573	1601	1618	1622
15.0	1536	1552	1591	1617	1624
17.5	1507	1527	1576	1618	1635
20.0	1474	1503	1559	1621	1642
22.5	1441	1475	1544	1618	1639
25.0	1401	1443	1528	1602	1623
27.5	1359	1410	1509	1577	1598
30.0	1312	1371	1480	1536	1561
32.5	1264	1332	1441	1491	1517
35.0	1216	1292	1398	1440	1468
37.5	1165	1249	1348	1385	1420
40.0	1109	1207	1288	1329	1370
42.5	1053	1159	1225	1272	1320
45.0	980	1100	1156	1210	1265
47.5	916	1039	1093	1153	1216
50.0	840	962	1024	1089	1159
52.5	747	873	950	1027	1100
55.0	628	768	874	964	1042
57.5	470	617	791	893	1001
60.0	308	447	671	827	963
62.5	172	265	542	738	881
65.0	88	135	373	608	743
67.5	57	75	229	465	601
70.0	39	48	111	328	451
72.5	28	34	53	203	295
75.0	20	23	34	113	179
77.5	13	16	21	47	97
80.0	8	10	15	23	69
82.5	5	6	9	12	21
85.0	2	3	4	7	12
87.5	1	1	2	3	6
90.0	0	0	0	0	0



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5-DEGREE

ZONAL LUMEN SUMMARY

0- 5	39.
5- 10	115.
10- 15	189.
15- 20	259.
20- 25	323.
25- 30	377.
30- 35	416.
35- 40	439.
40- 45	447.
45- 50	438.
50- 55	409.
55- 60	349.
60- 65	250.
65- 70	141.
70- 75	62.
75- 80	21.
80- 85	6.
85- 90	1.

10-DEGREE

ZONAL LUMEN SUMMARY

0- 10	154.
0- 20	602.
0- 30	1303.
0- 40	2158.
0- 50	3044.
0- 60	3802.
0- 70	4193.
0- 80	4277.
0- 90	4284.
0-100	4284.
0-110	4284.
0-120	4284.
0-130	4284.
0-140	4284.
0-150	4284.
0-160	4284.
0-170	4284.
0-180	4284.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	86	86	86	86	84	84	84	84	81	81	81	77	77	77	74	74	74	73
1	80	77	75	72	78	76	73	71	73	71	69	70	68	67	67	66	65	63
2	74	68	64	60	72	67	63	60	65	61	58	62	59	57	60	58	56	54
3	68	61	55	51	66	60	55	50	57	53	50	55	52	49	54	51	48	46
4	62	54	48	44	60	53	48	43	51	46	43	50	45	42	48	45	42	40
5	57	48	42	38	56	48	42	37	46	41	37	45	40	37	43	39	36	35
6	53	44	37	33	51	43	37	33	42	36	33	40	36	32	39	35	32	31
7	49	40	33	29	48	39	33	29	38	33	29	37	32	29	36	32	28	27
8	46	36	30	26	44	36	30	26	35	29	26	34	29	26	33	29	25	24
9	43	33	27	23	42	33	27	23	32	27	23	31	26	23	30	26	23	22
10	40	30	25	21	39	30	25	21	29	24	21	29	24	21	28	24	21	20

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.