

LUMINAIRE: FABRICATED WHITE PAINTED METAL BALLAST HOUSING/REFLECTOR WITH FOUR WHITE PAINTED METAL DIFFUSER MOUNTING BRACKETS, TRANSLUCENT WHITE CYLINDRICAL FROSTED PLASTIC DIFFUSER, SPUN WHITE PAINTED METAL INCANDESCENT SOCKET HOUSING, FABRICATED WHITE PAINTED METAL MOUNTING STEM, OPEN TOP AND BOTTOM, DIFFUSER FROSTED SIDE OUT.

LAMPS: FOUR 27-WATT SINGLE ENDED TWIN TUBE COMPACT FLUORESCENTS, SYLVANIA FT24DL/841, EACH RATED 1800 LUMENS, VERTICAL BASE-UP POSITION. ONE 120-WATT PAR-38 FLOOD HALOGEN INCANDESCENT, SYLVANIA 120PAR/CAP/SPL/FL30, VERTICAL BASE-UP POSITION.

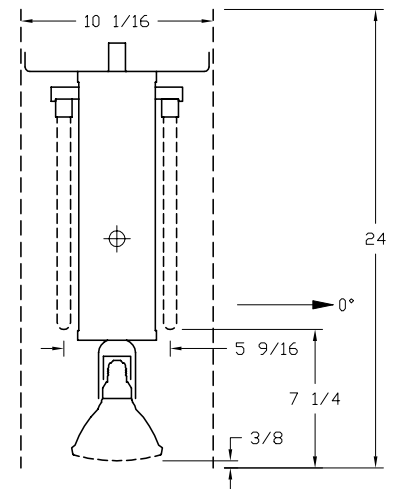
BALLASTS: TWO UNIVERSAL C242UNVSE

MOUNTING: PENDANT

TOTAL INPUT WATTS = 247.2 AT 120.0 VOLTS

TOTAL REFLECTANCE OF PAINT = 87.6 %

REPORT IS BASED ON 9000 TOTAL LAMP LUMENS.



CANDELA DISTRIBUTION

FLUX

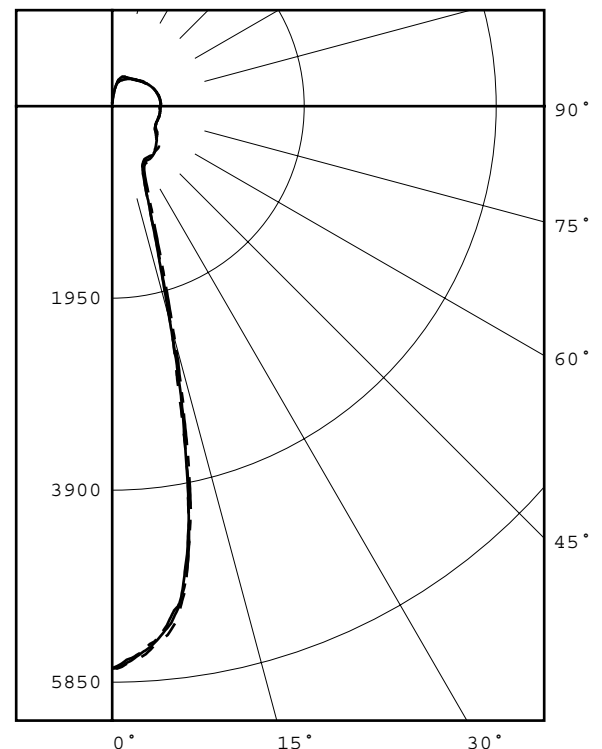
	0.0	22.5	45.0	67.5	90.0	
0	5708	5708	5708	5708	5708	
5	5456	5443	5425	5390	5412	492
15	2270	2326	2266	2424	2448	670
25	745	750	734	781	787	368
35	632	635	657	665	671	408
45	610	610	616	625	631	478
55	546	543	553	567	567	497
65	486	486	486	486	483	485
75	482	482	485	485	482	511
85	486	489	489	489	489	532
90	489	489	489	492	489	
95	492	492	492	492	496	536
105	476	473	476	476	479	503
115	447	444	450	447	450	443
125	411	405	408	408	415	367
135	369	366	369	369	372	286
145	337	337	337	337	340	212
155	327	317	301	320	324	146
165	291	259	259	262	288	75
175	81	64	87	64	84	11
180	22	22	22	22	22	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	1531	17.0	21.8
0- 40	1939	21.5	27.6
0- 60	2914	32.4	41.5
0- 90	4443	49.4	63.2
90-120	1483	16.5	21.1
90-130	1851	20.6	26.3
90-150	2350	26.1	33.4
90-180	2583	28.7	36.8
0-180	7026	78.1	100.0

TOTAL LUMINAIRE EFFICIENCY = 78.1 %

CIE TYPE - SEMI-DIRECT

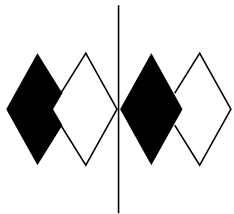


LEGEND:

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

Checked N. WHITE

Approved R. BEATTIE



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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

REPORT NUMBER: ITL61326

DATE: 11/21/08

PREPARED FOR: SCOTT ARCHITECTURAL LIGHTING

PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 0.5 0.5



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LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	5708	5708	5708	5708	5708
0.5	5711	5703	5700	5687	5687
1.0	5694	5684	5685	5666	5660
1.5	5664	5670	5655	5639	5624
2.0	5643	5643	5632	5619	5610
2.5	5629	5613	5599	5589	5583
3.0	5603	5590	5566	5557	5558
3.5	5577	5557	5537	5521	5517
4.0	5537	5516	5508	5480	5476
4.5	5493	5485	5470	5435	5455
5.0	5456	5443	5425	5390	5412
5.5	5427	5405	5378	5366	5357
6.0	5401	5357	5331	5313	5302
6.5	5342	5308	5285	5251	5228
7.0	5282	5251	5211	5191	5160
7.5	5198	5184	5140	5108	5122
8.0	5085	5084	5033	5010	5043
8.5	4985	4956	4900	4899	4946
9.0	4833	4829	4744	4774	4823
9.5	4658	4669	4612	4619	4674
10.0	4500	4479	4436	4447	4495
10.5	4277	4271	4265	4337	4338
11.0	4027	4045	4051	4142	4182
11.5	3858	3819	3819	3972	3963
12.0	3590	3590	3580	3762	3739
12.5	3322	3388	3361	3534	3508
13.0	3051	3179	3178	3307	3256
13.5	2810	2958	2961	3072	3076
14.0	2645	2720	2720	2842	2844
14.5	2476	2532	2484	2622	2667
15.0	2270	2326	2266	2424	2448
17.5	1570	1561	1528	1690	1677
20.0	1105	1170	1120	1196	1222
22.5	874	915	871	933	959
25.0	745	750	734	781	787
27.5	673	670	669	700	703
30.0	640	637	649	664	673
32.5	629	638	653	659	671
35.0	632	635	657	665	671
37.5	636	633	654	663	660
40.0	648	633	646	651	642
42.5	637	631	637	640	634
45.0	610	610	616	625	631
47.5	589	592	602	611	632
50.0	578	578	584	590	620
52.5	567	567	570	579	594
55.0	546	543	553	567	567
57.5	526	526	541	559	538
60.0	506	506	527	527	509
62.5	492	488	501	495	489
65.0	486	486	486	486	483
67.5	480	484	481	480	480
70.0	475	478	478	478	478
72.5	478	479	482	482	482
75.0	482	482	485	485	482
77.5	482	485	489	485	485
80.0	486	485	489	489	489
82.5	486	489	489	489	489
85.0	486	489	489	489	489
87.5	486	486	486	489	486
90.0	489	489	489	492	489
92.5	492	492	496	496	496
95.0	492	492	492	492	496
97.5	489	489	492	492	492
100.0	486	486	489	486	489



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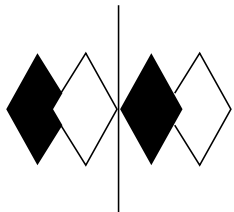
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CANDELA DISTRIBUTION
LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
102.5	483	479	483	483	486
105.0	476	473	476	476	479
107.5	470	470	470	470	473
110.0	463	460	463	463	466
112.5	453	453	457	453	460
115.0	447	444	450	447	450
117.5	441	437	441	437	444
120.0	431	428	431	428	434
122.5	421	418	421	418	424
125.0	411	405	408	408	415
127.5	402	395	398	398	405
130.0	392	385	389	389	395
132.5	379	376	379	379	382
135.0	369	366	369	369	372
137.5	360	356	360	360	363
140.0	350	350	353	353	356
142.5	343	343	343	343	347
145.0	337	337	337	337	340
147.5	334	330	327	334	334
150.0	330	327	321	327	330
152.5	327	324	311	324	327
155.0	327	317	301	320	324
157.5	327	311	291	314	324
160.0	320	301	282	301	320
162.5	311	285	272	288	307
165.0	291	259	259	262	288
167.5	259	220	239	223	256
170.0	207	175	200	175	200
172.5	139	119	149	119	139
175.0	81	64	87	64	84
177.5	35	26	39	26	38
180.0	22	22	22	22	22



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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	86	86	86	86	81	81	81	81	71	71	71	62	62	62	53	53	53	49
1	77	72	68	65	71	68	64	61	59	56	54	51	49	47	44	42	41	37
2	70	63	57	53	65	59	54	50	52	48	44	45	42	39	38	36	34	31
3	64	56	49	44	59	52	46	42	46	41	38	40	36	33	34	32	29	26
4	59	50	43	38	55	47	41	36	41	36	33	36	32	29	31	28	26	23
5	54	45	38	33	51	42	36	32	37	33	29	33	29	26	29	26	23	21
6	51	41	34	30	47	39	33	28	34	30	26	30	27	24	27	24	21	19
7	47	37	31	27	44	36	30	26	32	27	24	28	24	22	25	22	20	18
8	44	35	29	24	42	33	27	23	30	25	22	26	23	20	24	20	18	16
9	42	32	26	22	39	31	25	22	28	23	20	25	21	18	22	19	17	15
10	39	30	24	21	37	29	24	20	26	22	19	23	20	17	21	18	16	15

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.