



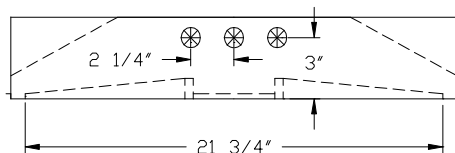
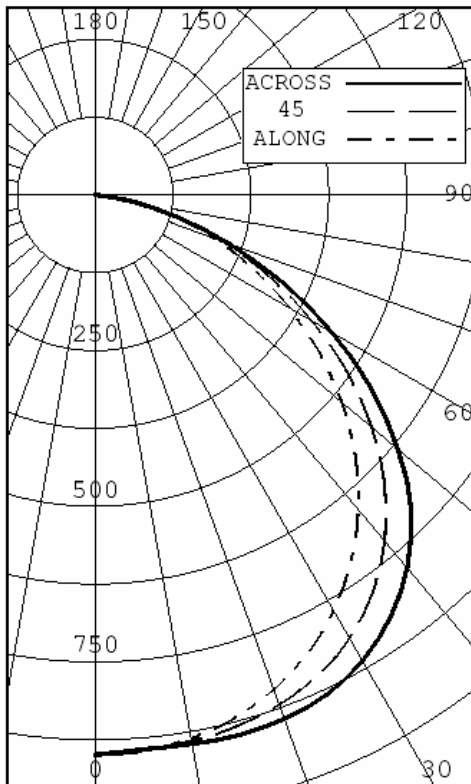
Lighting Sciences

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Scottsdale, Arizona 85260 USA
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CERTIFIED TEST REPORT No. 25689

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-3T8-SCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & RECT PERF .080 LENS
THREE SYLVANIA 17 WATT T8 LAMPS, CAT# F017/835/ECO. LUMEN RATING = 1350 LMS.
ONE SYLVANIA QHE3X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 44 WATTS



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	899	899	899	899	899	
5	897	897	896	895	894	87
10	887	887	891	895	895	
15	869	871	883	894	898	249
20	843	848	869	888	895	
25	810	819	850	875	884	390
30	767	781	819	850	862	
35	716	733	777	813	827	483
40	657	676	723	763	780	
45	590	610	657	699	717	503
50	516	534	579	619	634	
55	437	453	492	525	540	436
60	357	370	398	426	437	
65	279	287	306	324	333	302
70	205	209	216	225	230	
75	136	135	133	136	138	145
80	77	70	66	65	65	
85	28	22	19	18	17	28
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	726	17.93	27.68
0-40	1209	29.85	46.09
0-60	2148	53.04	81.89
0-90	2623	64.76	100.00
40-90	1414	34.91	53.91
60-90	475	11.73	18.11
90-180	0	0.00	0.00
0-180	2623	64.76	100.00

** EFFICIENCY: 64.8% **

LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	2704	3020	3297
55	2467	2786	3060
65	2136	2351	2559
75	1705	1668	1732
85	1048	721	652

S/MH: 1.4
SC (ALONG): 1.3, SC (ACROSS): 1.4

CERTIFIED BY:

Tan Levin

DATE:
JUL 17, 2009

PREPARED FOR:

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

LIGHTING SCIENCES, INC.
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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	2912(	850)	2912(	850)	2912(	850)	2912(	850)	2912(	850)
30	2870(	837)	2929(	855)	3072(	896)	3188(	930)	3222(	940)
40	2779(	811)	2866(	836)	3060(	893)	3235(	944)	3296(	962)
45	2704(	789)	2796(	816)	3020(	881)	3212(	937)	3297(	962)
50	2598(	758)	2703(	789)	2916(	851)	3127(	912)	3195(	932)
55	2467(	720)	2563(	748)	2786(	813)	2976(	868)	3060(	893)
60	2314(	675)	2402(	701)	2579(	752)	2768(	808)	2833(	827)
65	2136(	623)	2201(	642)	2351(	686)	2495(	728)	2559(	746)
70	1936(	565)	1982(	578)	2050(	598)	2138(	624)	2178(	635)
75	1705(	497)	1694(	494)	1668(	486)	1709(	498)	1732(	505)
80	1428(416)	1313(383)	1240(362)	1212(353)	1203(351)
85	1048(306)	827(241)	721(210)	654(190)	652(190)

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				0
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																									
0	0.790	0.790	0.790	0.79	0.770	0.770	0.770	0.77	0.750	0.750	0.750	0.75	0.720	0.720	0.72	0.690	0.690	0.69	0.660	0.660	0.66	0.660	0.660	0.66	0.65
1	0.730	0.700	0.670	0.65	0.710	0.690	0.660	0.64	0.700	0.670	0.650	0.63	0.640	0.620	0.61	0.620	0.600	0.59	0.600	0.580	0.57	0.600	0.580	0.57	0.56
2	0.670	0.620	0.580	0.54	0.650	0.610	0.570	0.53	0.640	0.590	0.560	0.53	0.570	0.540	0.51	0.550	0.530	0.50	0.530	0.510	0.49	0.530	0.510	0.49	0.48
3	0.610	0.550	0.500	0.45	0.600	0.540	0.490	0.45	0.580	0.530	0.480	0.45	0.510	0.470	0.44	0.490	0.460	0.43	0.480	0.450	0.42	0.480	0.450	0.42	0.41
4	0.560	0.490	0.430	0.39	0.550	0.480	0.430	0.38	0.540	0.470	0.420	0.38	0.450	0.410	0.38	0.440	0.400	0.37	0.440	0.390	0.37	0.430	0.390	0.37	0.35
5	0.520	0.430	0.370	0.33	0.500	0.420	0.370	0.33	0.490	0.420	0.360	0.32	0.400	0.360	0.32	0.390	0.350	0.32	0.380	0.340	0.31	0.380	0.340	0.31	0.30
6	0.480	0.390	0.330	0.29	0.460	0.380	0.320	0.28	0.450	0.370	0.320	0.28	0.360	0.310	0.28	0.350	0.310	0.28	0.340	0.300	0.27	0.340	0.300	0.27	0.26
7	0.440	0.350	0.290	0.25	0.430	0.340	0.280	0.25	0.420	0.330	0.280	0.24	0.320	0.280	0.24	0.310	0.270	0.24	0.310	0.270	0.24	0.310	0.270	0.24	0.23
8	0.400	0.310	0.250	0.21	0.390	0.300	0.250	0.21	0.380	0.300	0.250	0.21	0.290	0.240	0.21	0.280	0.240	0.21	0.280	0.240	0.21	0.280	0.240	0.21	0.19
9	0.370	0.280	0.220	0.18	0.360	0.270	0.220	0.18	0.350	0.270	0.220	0.18	0.260	0.210	0.18	0.250	0.210	0.18	0.250	0.210	0.18	0.250	0.210	0.18	0.17
10	0.340	0.250	0.190	0.16	0.330	0.250	0.190	0.16	0.330	0.240	0.190	0.16	0.240	0.190	0.16	0.230	0.190	0.16	0.230	0.190	0.16	0.230	0.190	0.16	0.15

LUMINAIRE INPUT WATTS 44.0

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST
LUMINOUS OPENING OF LUMINAIRE.