



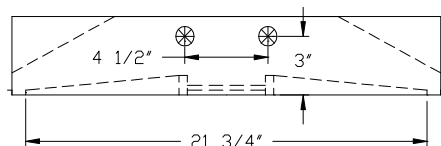
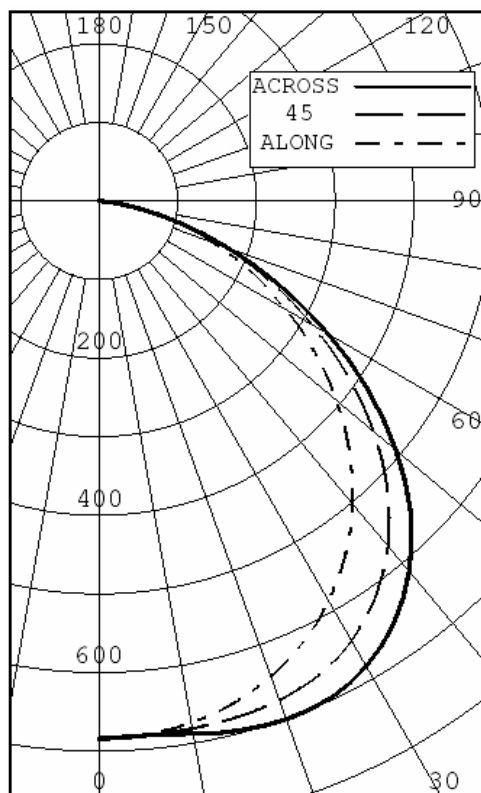
# Lighting Sciences

www.lightingsciences.com

Lighting Sciences Inc.  
7826 E. Evans Road  
Scottsdale, Arizona 85260 USA  
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CERTIFIED TEST REPORT No. 25688

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-2T8-SCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & RECT PERF .080 LENS  
TWO SYLVANIA 17 WATT T8 LAMPS, CAT# F017/835/ECO. LUMEN RATING = 1350 LMS.  
ONE SYLVANIA QHE2X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 30 WATTS



INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	685	685	685	685	685	
5	682	682	683	684	683	66
10	674	675	682	688	689	
15	661	665	680	693	697	192
20	642	650	675	695	702	
25	617	630	664	690	698	304
30	585	603	644	673	682	
35	547	568	613	644	654	378
40	502	526	571	602	613	
45	451	477	518	548	560	393
50	394	417	455	482	492	
55	334	353	385	406	416	338
60	273	287	310	328	335	
65	213	223	237	248	254	233
70	155	161	167	172	176	
75	103	104	103	104	106	111
80	58	54	51	50	50	
85	21	17	15	14	14	21
90	0	0	0	0	0	

## ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	562	20.82	27.59
0-40	940	34.82	46.16
0-60	1671	61.91	82.06
0-90	2037	75.44	100.00
40-90	1097	40.62	53.84
60-90	365	13.54	17.94
90-180	0	0.00	0.00
0-180	2037	75.44	100.00

\*\* EFFICIENCY: 75.4% \*\*

## LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	2064	2381	2573
55	1885	2180	2360
65	1629	1821	1951
75	1290	1293	1335
85	794	558	522

S/MH: 1.5  
SC (ALONG): 1.3, SC (ACROSS): 1.5

CERTIFIED BY:

*Tan Levin*

DATE:  
JUL 17, 2009

PREPARED FOR:

FINELITE  
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	2217(	647)	2217(	647)	2217(	647)	2217(	647)	2217(	647)
30	2188(	638)	2262(	660)	2414(	704)	2522(	736)	2551(	744)
40	2121(	619)	2230(	650)	2417(	705)	2553(	745)	2593(	756)
45	2064(	602)	2185(	637)	2381(	695)	2520(	735)	2573(	751)
50	1986(	579)	2108(	615)	2291(	668)	2434(	710)	2478(	723)
55	1885(	550)	1997(	582)	2180(	636)	2300(	671)	2360(	688)
60	1765(	515)	1868(	545)	2008(	586)	2127(	620)	2170(	633)
65	1629(	475)	1709(	498)	1821(	531)	1909(	557)	1951(	569)
70	1463(	427)	1529(	446)	1585(	462)	1631(	476)	1663(	485)
75	1290(	376)	1302(	380)	1293(	377)	1312(	383)	1335(	389)
80	1074(	313)	1006(	293)	963(	281)	937(	273)	938(	273)
85	794(	231)	643(	187)	558(	162)	517(	151)	522(	152)

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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	0.920	0.920	0.920	0.92	0.900	0.900	0.900	0.90	0.880	0.880	0.880	0.88	0.840	0.840	0.84	0.800	0.800	0.80	0.770	0.770	0.77	0.750	0.750	0.75	0.75
1	0.850	0.810	0.780	0.76	0.830	0.800	0.770	0.74	0.810	0.780	0.760	0.73	0.750	0.730	0.71	0.720	0.700	0.69	0.690	0.680	0.67	0.690	0.680	0.67	0.65
2	0.780	0.720	0.670	0.63	0.760	0.710	0.660	0.62	0.740	0.690	0.650	0.61	0.660	0.630	0.60	0.640	0.610	0.59	0.620	0.590	0.57	0.620	0.590	0.57	0.56
3	0.720	0.640	0.580	0.53	0.700	0.630	0.570	0.53	0.680	0.610	0.560	0.52	0.590	0.550	0.51	0.570	0.540	0.50	0.550	0.520	0.49	0.550	0.520	0.49	0.48
4	0.660	0.570	0.500	0.45	0.640	0.560	0.500	0.45	0.630	0.550	0.490	0.44	0.530	0.480	0.44	0.510	0.470	0.43	0.500	0.460	0.43	0.500	0.460	0.43	0.41
5	0.600	0.500	0.430	0.38	0.590	0.490	0.430	0.38	0.570	0.480	0.420	0.38	0.470	0.410	0.37	0.450	0.410	0.37	0.440	0.400	0.37	0.440	0.400	0.37	0.35
6	0.560	0.450	0.380	0.33	0.540	0.440	0.380	0.33	0.520	0.430	0.370	0.33	0.420	0.370	0.32	0.410	0.360	0.32	0.400	0.350	0.32	0.400	0.350	0.32	0.30
7	0.510	0.400	0.330	0.29	0.500	0.400	0.330	0.29	0.480	0.390	0.330	0.28	0.380	0.320	0.28	0.370	0.320	0.28	0.360	0.310	0.28	0.360	0.310	0.28	0.26
8	0.470	0.360	0.290	0.25	0.460	0.350	0.290	0.25	0.450	0.350	0.290	0.25	0.340	0.280	0.24	0.330	0.280	0.24	0.320	0.270	0.24	0.320	0.270	0.24	0.23
9	0.430	0.320	0.260	0.21	0.420	0.320	0.260	0.21	0.410	0.310	0.250	0.21	0.300	0.250	0.21	0.300	0.240	0.21	0.290	0.240	0.21	0.290	0.240	0.21	0.19
10	0.400	0.290	0.230	0.19	0.390	0.290	0.230	0.19	0.380	0.280	0.230	0.19	0.280	0.220	0.19	0.270	0.220	0.18	0.260	0.220	0.18	0.260	0.220	0.18	0.17

LUMINAIRE INPUT WATTS 30.0

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.