



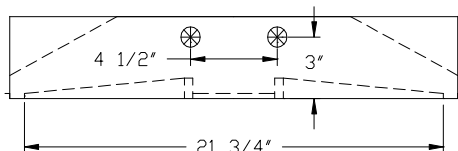
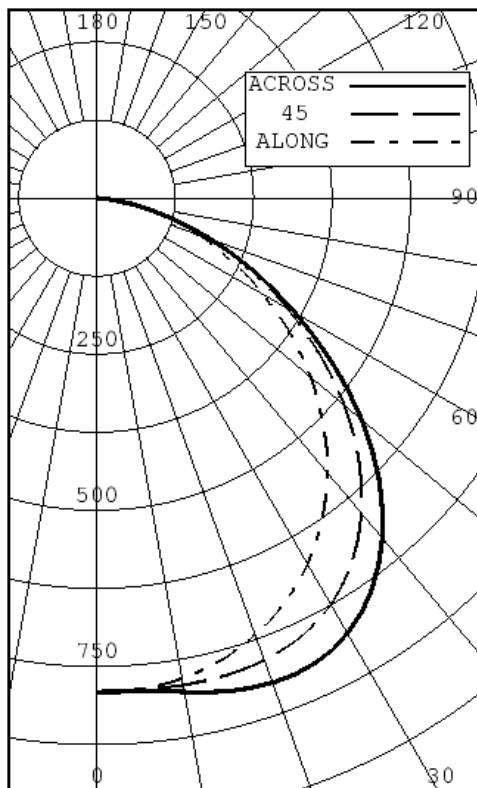
Lighting Sciences

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Lighting Sciences Inc.
7826 E. Evans Road
Scottsdale, Arizona 85260 USA
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CERTIFIED TEST REPORT No. 25419

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-2T8-DCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER 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	792	792	792	792	792	77
5	790	791	791	792	791	
10	781	784	792	800	803	
15	766	773	791	810	818	224
20	742	754	786	814	825	354
25	712	730	773	809	822	
30	673	696	748	788	803	
35	626	653	709	749	765	437
40	571	600	656	694	709	447
45	510	539	590	624	636	
50	444	469	514	540	551	
55	374	395	430	449	457	377
60	304	320	346	358	364	258
65	236	247	264	272	276	
70	172	179	189	192	194	
75	114	117	121	122	123	128
80	63	64	64	63	62	26
85	23	22	20	18	17	
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	654	24.24	28.12
0-40	1092	40.43	46.92
0-60	1915	70.93	82.31
0-90	2327	86.18	100.00
40-90	1235	45.74	53.08
60-90	412	15.25	17.69
90-180	0	0.00	0.00
0-180	2327	86.18	100.00

** EFFICIENCY: 86.2% **

LUMINOUS LENGTH: 22.000 INS
WIDTH: 21.750 INS

LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	2337	2714	2924
55	2112	2439	2591
65	1812	2032	2121
75	1425	1513	1543
85	840	738	645

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

CERTIFIED BY:

Tan Levin

DATE:
AUG 19, 2009

PREPARED FOR:

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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INTENSITY(CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0.0	792	792	792	792	792	792	
2.5	793	793	792	791	790	792	
5.0	790	791	791	792	791	791	77
7.5	786	788	791	795	796	791	
10.0	781	784	792	800	803	792	
12.5	774	779	792	806	811	792	
15.0	766	773	791	810	818	791	224
17.5	755	764	789	813	822	789	
20.0	742	754	786	814	825	784	
22.5	728	743	781	813	825	778	
25.0	712	730	773	809	822	770	354
27.5	694	714	763	800	815	758	
30.0	673	696	748	788	803	743	
32.5	651	675	730	770	786	724	
35.0	626	653	709	749	765	702	437
37.5	600	628	685	724	738	676	
40.0	571	600	656	694	709	648	
42.5	542	571	625	661	674	616	
45.0	510	539	590	624	636	581	447
47.5	478	505	553	583	595	544	
50.0	444	469	514	540	551	505	
52.5	409	432	472	496	504	464	
55.0	374	395	430	449	457	423	377
57.5	339	357	388	403	410	381	
60.0	304	320	346	358	364	340	
62.5	270	283	304	314	319	299	
65.0	236	247	264	272	276	260	258
67.5	204	213	226	231	234	222	
70.0	172	179	189	192	194	186	
72.5	142	148	154	156	157	152	
75.0	114	117	121	122	123	120	128
77.5	87	89	91	91	91	90	
80.0	63	64	64	63	62	63	
82.5	42	41	40	38	36	39	
85.0	23	22	20	18	17	20	26
87.5	7	7	6	5	5	6	
90.0	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	2564 (	748)	2564 (	748)	2564 (	748)	2564 (	748)	2564 (	748)
30	2518 (	735)	2611 (	762)	2806 (	819)	2953 (	861)	3002 (	876)
40	2416 (	705)	2545 (	742)	2778 (	810)	2944 (	859)	2995 (	874)
45	2337 (	682)	2470 (	721)	2714 (	792)	2866 (	836)	2924 (	853)
50	2236 (	652)	2372 (	692)	2588 (	755)	2731 (	797)	2775 (	810)
55	2112 (	616)	2233 (	651)	2439 (	712)	2545 (	742)	2591 (	756)
60	1970 (	575)	2078 (	606)	2244 (	655)	2327 (	679)	2358 (	688)
65	1812 (	529)	1897 (	553)	2032 (	593)	2090 (	610)	2121 (	619)
70	1632 (	476)	1705 (	497)	1791 (	522)	1823 (	532)	1841 (	537)
75	1425 (	416)	1475 (	430)	1513 (	441)	1527 (	445)	1543 (	450)
80	1177 (343)	1194 (348)	1197 (349)	1175 (342)	1162 (339)
85	840 (245)	830 (242)	738 (215)	667 (194)	645 (188)

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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	1.051	1.051	1.051	1.051	1.031	1.031	1.031	1.031	1.001	1.001	1.001	1.001	0.960	0.960	0.960	0.920	0.920	0.920	0.880	0.880	0.880	0.860	0.860	0.860	0.860
1	0.970	0.930	0.900	0.860	0.950	0.910	0.880	0.850	0.930	0.890	0.860	0.840	0.860	0.830	0.810	0.820	0.800	0.790	0.790	0.780	0.760	0.750	0.750	0.750	0.750
2	0.890	0.830	0.770	0.720	0.870	0.810	0.760	0.710	0.850	0.790	0.740	0.700	0.760	0.720	0.690	0.730	0.700	0.670	0.710	0.680	0.660	0.640	0.640	0.640	0.640
3	0.820	0.730	0.660	0.610	0.800	0.720	0.650	0.600	0.780	0.700	0.640	0.600	0.680	0.630	0.590	0.660	0.610	0.580	0.640	0.600	0.570	0.550	0.550	0.550	0.550
4	0.750	0.650	0.570	0.520	0.740	0.640	0.570	0.520	0.720	0.630	0.560	0.510	0.610	0.550	0.510	0.590	0.540	0.500	0.570	0.530	0.490	0.470	0.470	0.470	0.470
5	0.690	0.580	0.500	0.440	0.670	0.570	0.490	0.440	0.650	0.560	0.490	0.440	0.540	0.480	0.430	0.520	0.470	0.430	0.510	0.460	0.420	0.400	0.400	0.400	0.400
6	0.640	0.520	0.440	0.380	0.620	0.510	0.430	0.380	0.600	0.500	0.430	0.380	0.480	0.420	0.370	0.470	0.410	0.370	0.460	0.410	0.370	0.350	0.350	0.350	0.350
7	0.580	0.460	0.390	0.340	0.570	0.460	0.380	0.330	0.560	0.450	0.380	0.330	0.440	0.370	0.330	0.420	0.370	0.320	0.410	0.360	0.320	0.300	0.300	0.300	0.300
8	0.540	0.410	0.340	0.290	0.520	0.410	0.340	0.290	0.510	0.400	0.330	0.280	0.390	0.330	0.280	0.380	0.320	0.280	0.370	0.320	0.280	0.260	0.260	0.260	0.260
9	0.490	0.370	0.300	0.250	0.480	0.370	0.290	0.250	0.470	0.360	0.290	0.250	0.350	0.290	0.240	0.340	0.280	0.240	0.330	0.280	0.240	0.220	0.220	0.220	0.220
10	0.460	0.340	0.260	0.220	0.450	0.330	0.260	0.220	0.440	0.330	0.260	0.220	0.320	0.260	0.220	0.310	0.250	0.210	0.300	0.250	0.210	0.200	0.200	0.200	0.200

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.