



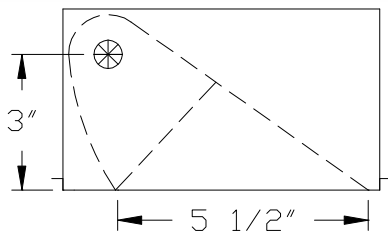
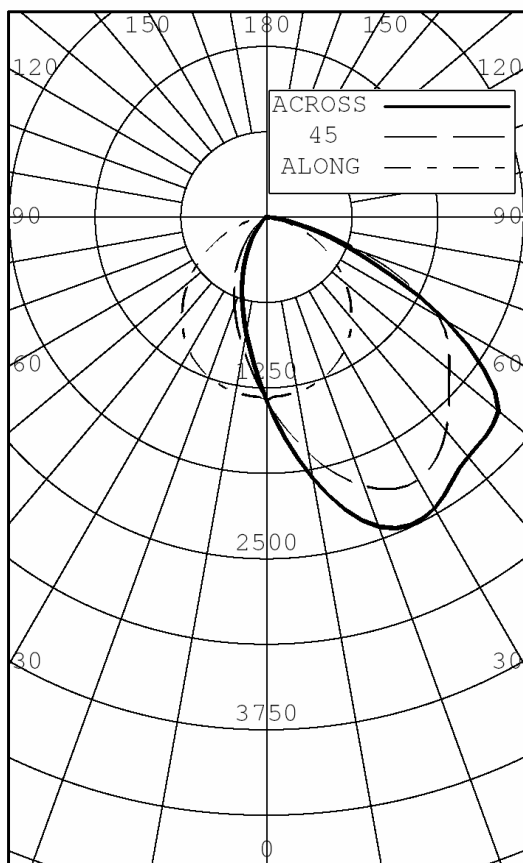
Lighting Sciences

www.lightingsciences.com

Lighting Sciences Inc.
7826 E. Evans Road
Scottsdale, Arizona 85260 USA
Tel: 480-991-9260 • Fax: 480-991-0375

CERTIFIED TEST REPORT No. 26210

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS
ONE SYLVANIA 54 WATT T5 LAMP, CAT# FP54/TSHO/835/ECO. LUMEN RATING = 4450 LMS.
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 56.1 WATTS



LUMINANCE SUMMARY - CD./SQ.M.

ANGLE	BEAM SIDE		
	ALONG	45	ACROSS
45	7155	15668	18845
55	6500	16613	19810
65	5507	15596	13939
75	4077	9929	8056
85	2085	4606	3568

ANGLE	INTENSITY (CANDLEPOWER) SUMMARY					OUTPUT LUMENS
	ALONG	BEAM SIDE			ACROSS	
0	1342	1342	1342	1342	1342	
5	1314	1450	1542	1607	1630	77
10	1300	1546	1748	1891	1938	
15	1276	1633	1940	2149	2217	266
20	1241	1701	2096	2340	2413	
25	1193	1743	2196	2430	2489	472
30	1132	1750	2217	2410	2457	
35	1054	1718	2155	2322	2357	617
40	963	1642	2038	2209	2289	
45	863	1519	1883	2155	2264	686
50	753	1360	1739	2096	2206	
55	636	1177	1619	1912	1931	663
60	516	984	1444	1548	1515	
65	397	792	1120	1082	1001	458
70	282	623	751	669	621	
75	180	417	438	390	354	204
80	93	220	218	180	162	
85	31	80	68	59	53	40
90	0	0	0	0	0	

BOTH SIDES ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1142	25.66	27.28
0-40	1898	42.65	45.34
0-60	3425	76.96	81.82
0-90	4185	94.05	100.00
40-90	2288	51.41	54.66
60-90	761	17.10	18.18
90-180	0	0.00	0.00
0-180	4185	94.05	100.00

** EFFICIENCY: 94.1% **

LUMINOUS LENGTH: 47.000 INS
WIDTH: 5.625 INS

CERTIFIED BY:

Tan Levin
PREPARED FOR:

DATE:
NOV 11, 2009

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

LIGHTING SCIENCES, INC.
7826 E. EVANS RD.
SCOTTSDALE, AZ, USA 85260

CERTIFIED TEST REPORT No. 26210

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS
ONE SYLVANIA 54 WATT T5 LAMP, CAT# FP54/TSHO/835/ECO. LUMEN RATING = 4450 LMS.
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 56.1 WATTS

BEAM SIDE
INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT
	ALONG	67.5	45	22.5	ACROSS	AVERAGE	LUMENS
0.0	1342	1342	1342	1342	1342	1342	
2.5	1316	1397	1439	1472	1479	1426	
5.0	1314	1450	1542	1607	1630	1518	77
7.5	1308	1499	1644	1750	1785	1610	
10.0	1300	1546	1748	1891	1938	1701	
12.5	1289	1591	1847	2026	2084	1788	
15.0	1276	1633	1940	2149	2217	1867	266
17.5	1260	1669	2024	2254	2328	1935	
20.0	1241	1701	2096	2340	2413	1991	
22.5	1218	1726	2154	2400	2466	2031	
25.0	1193	1743	2196	2430	2489	2052	472
27.5	1164	1752	2218	2432	2482	2056	
30.0	1132	1750	2217	2410	2457	2043	
32.5	1095	1739	2196	2371	2414	2015	
35.0	1054	1718	2155	2322	2357	1975	617
37.5	1010	1685	2102	2260	2312	1927	
40.0	963	1642	2038	2209	2289	1878	
42.5	914	1586	1964	2177	2275	1830	
45.0	863	1519	1883	2155	2264	1780	686
47.5	809	1444	1804	2132	2244	1727	
50.0	753	1360	1739	2096	2206	1669	
52.5	695	1270	1679	2041	2097	1597	
55.0	636	1177	1619	1912	1931	1498	663
57.5	576	1082	1543	1742	1737	1381	
60.0	516	984	1444	1548	1515	1248	
62.5	457	885	1294	1327	1260	1091	
65.0	397	792	1120	1082	1001	923	458
67.5	339	706	939	853	790	766	
70.0	282	623	751	669	621	624	
72.5	229	528	579	519	481	495	
75.0	180	417	438	390	354	378	204
77.5	133	310	320	273	245	273	
80.0	93	220	218	180	162	186	
82.5	59	144	132	111	100	117	
85.0	31	80	68	59	53	62	40
87.5	12	26	21	16	13	19	
90.0	0	0	0	0	0	0	

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CERTIFIED TEST REPORT No. 26210

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS
ONE SYLVANIA 54 WATT T5 LAMP, CAT# FP54/TSHO/835/ECO. LUMEN RATING = 4450 LMS.
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 56.1 WATTS

BEAM SIDE
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	67.5	45	22.5	ACROSS
0	7865(2295)	7865(2295)	7865(2295)	7865(2295)	7865(2295)
30	7663(2236)	11881(3467)	15050(4392)	16351(4772)	16630(4853)
40	7370(2151)	12598(3676)	15609(4555)	16948(4946)	17515(5112)
45	7155(2088)	12611(3680)	15668(4572)	17920(5230)	18845(5500)
50	6868(2004)	12455(3635)	15865(4630)	19166(5594)	20119(5872)
55	6500(1897)	12056(3518)	16613(4848)	19601(5721)	19810(5782)
60	6050(1765)	11581(3380)	16947(4946)	18196(5311)	17768(5186)
65	5507(1607)	10990(3207)	15596(4552)	15063(4396)	13939(4068)
70	4834(1410)	10711(3126)	12915(3769)	11488(3353)	10652(3108)
75	4077(1190)	9471(2764)	9929(2898)	8855(2584)	8056(2351)
80	3140(916)	7463(2178)	7375(2152)	6072(1772)	5453(1591)
85	2085(608)	5384(1571)	4606(1344)	3979(1161)	3568(1041)

LUMINOUS LENGTH: 47.000 INS
WIDTH: 5.625 INS

LIGHTING SCIENCES, INC.
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CERTIFIED TEST REPORT No. 26210

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS
ONE SYLVANIA 54 WATT T5 LAMP, CAT# FP54/TSHO/835/ECO. LUMEN RATING = 4450 LMS.
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 56.1 WATTS

OPPOSITE SIDE TO BEAM
INTENSITY(CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	112.5	135	157.5	ACROSS	AVERAGE	
0.0	1342	1342	1342	1342	1342	1342	
2.5	1316	1287	1245	1218	1207	1253	
5.0	1314	1234	1154	1102	1078	1171	54
7.5	1308	1181	1066	993	967	1094	
10.0	1300	1128	981	894	866	1022	
12.5	1289	1075	903	806	773	954	
15.0	1276	1022	829	724	686	889	124
17.5	1260	969	759	646	607	827	
20.0	1241	917	692	574	533	767	
22.5	1218	863	628	505	465	710	
25.0	1193	810	568	442	401	654	150
27.5	1164	757	508	379	339	599	
30.0	1132	704	453	321	283	546	
32.5	1095	650	398	270	236	496	
35.0	1054	597	343	225	192	447	139
37.5	1010	545	291	184	151	400	
40.0	963	493	245	144	111	355	
42.5	914	441	204	106	85	313	
45.0	863	392	167	83	68	277	107
47.5	809	344	131	67	56	244	
50.0	753	295	97	55	45	212	
52.5	695	247	74	44	37	183	
55.0	636	201	59	37	30	157	71
57.5	576	161	48	29	24	134	
60.0	516	126	39	24	19	114	
62.5	457	95	32	19	15	95	
65.0	397	67	25	15	12	78	39
67.5	339	47	20	12	9	63	
70.0	282	36	15	9	6	51	
72.5	229	27	12	7	4	41	
75.0	180	20	8	5	3	31	17
77.5	133	14	6	3	1	23	
80.0	93	10	4	2	1	16	
82.5	59	6	2	0	0	9	
85.0	31	2	0	0	0	5	3
87.5	12	0	0	0	0	2	
90.0	0	0	0	0	0	0	

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OPPOSITE SIDE TO BEAM
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	112.5	135	157.5	ACROSS
0	7865(2295)	7865(2295)	7865(2295)	7865(2295)	7865(2295)
30	7663(2236)	4776(1393)	3074(897)	2176(635)	1916(559)
40	7370(2151)	3780(1103)	1874(546)	1107(323)	848(247)
45	7155(2088)	3251(949)	1390(405)	688(200)	569(166)
50	6868(2004)	2700(788)	886(258)	501(146)	413(120)
55	6500(1897)	2061(601)	603(176)	374(109)	306(89)
60	6050(1765)	1482(432)	453(132)	278(81)	227(66)
65	5507(1607)	929(271)	343(100)	215(62)	163(47)
70	4834(1410)	619(180)	259(75)	156(45)	104(30)
75	4077(1190)	459(133)	192(56)	113(33)	68(19)
80	3140(916)	337(98)	130(38)	58(17)	21(6)
85	2085(608)	168(49)	0(0)	0(0)	0(0)

LUMINOUS LENGTH: 47.000 INS
WIDTH: 5.625 INS

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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	1.151	1.151	1.151	1.15	1.121	1.121	1.121	1.12	1.091	1.091	1.091	1.09	1.051	1.051	1.05	1.001	1.001	1.00	0.960	0.960	0.96	0.94			
1	1.061	1.010	0.980	0.94	1.030	0.990	0.960	0.93	1.010	0.980	0.940	0.91	0.930	0.910	0.88	0.900	0.880	0.86	0.860	0.850	0.83	0.81			
2	0.970	0.900	0.840	0.78	0.950	0.880	0.820	0.77	0.930	0.860	0.810	0.76	0.830	0.780	0.74	0.800	0.760	0.73	0.770	0.740	0.71	0.69			
3	0.890	0.790	0.720	0.66	0.870	0.780	0.710	0.65	0.850	0.760	0.700	0.65	0.740	0.680	0.64	0.710	0.670	0.62	0.690	0.650	0.61	0.60			
4	0.820	0.700	0.620	0.56	0.800	0.690	0.620	0.56	0.780	0.680	0.610	0.55	0.660	0.590	0.55	0.640	0.580	0.54	0.620	0.570	0.53	0.51			
5	0.750	0.620	0.540	0.47	0.730	0.610	0.530	0.47	0.710	0.600	0.520	0.47	0.580	0.510	0.46	0.560	0.500	0.46	0.550	0.500	0.45	0.43			
6	0.690	0.560	0.470	0.41	0.670	0.550	0.460	0.41	0.650	0.540	0.460	0.40	0.520	0.450	0.40	0.500	0.440	0.40	0.490	0.430	0.39	0.37			
7	0.630	0.500	0.410	0.36	0.620	0.490	0.410	0.35	0.600	0.480	0.410	0.35	0.470	0.400	0.35	0.450	0.390	0.34	0.440	0.390	0.34	0.32			
8	0.580	0.440	0.360	0.31	0.570	0.440	0.360	0.30	0.550	0.430	0.360	0.30	0.420	0.350	0.30	0.410	0.340	0.30	0.400	0.340	0.30	0.28			
9	0.530	0.400	0.320	0.26	0.520	0.390	0.310	0.26	0.510	0.390	0.310	0.26	0.380	0.310	0.26	0.370	0.300	0.26	0.360	0.300	0.25	0.24			
10	0.490	0.360	0.280	0.23	0.480	0.360	0.280	0.23	0.470	0.350	0.280	0.23	0.340	0.270	0.23	0.330	0.270	0.23	0.320	0.270	0.22	0.21			

LUMINAIRE INPUT WATTS 56.1

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.