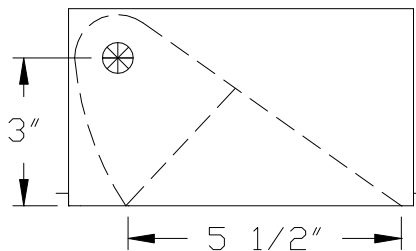
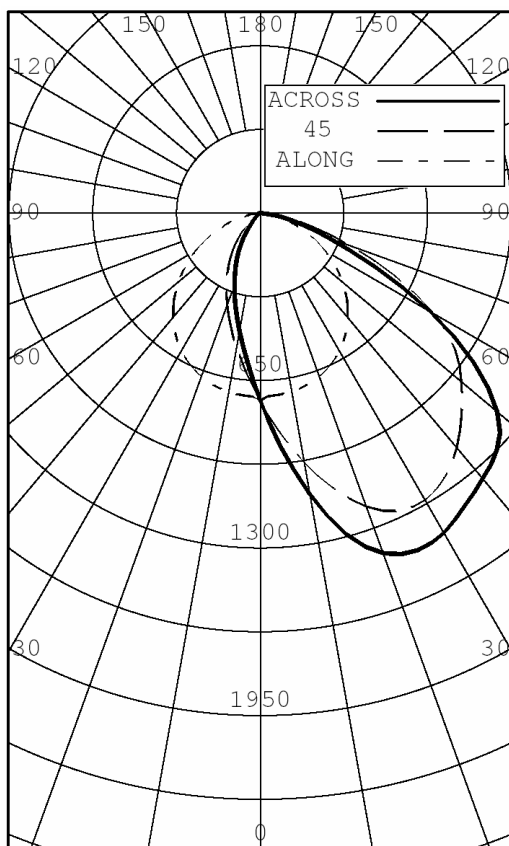




CERTIFIED TEST REPORT No. 26209

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 28 WATT T5 LAMP, CAT# FP28/835/ECO. LUMEN RATING = 2600 LMS.  
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 30.4 WATTS



INTENSITY (CANDLEPOWER) SUMMARY							OUTPUT LUMENS
ANGLE	ALONG	BEAM SIDE	ACROSS	22.5	45	67.5	
0	728	728	728	728	728	728	43
5	711	792	850	890	907		
10	704	852	981	1074	1106		
15	692	909	1108	1244	1290		151
20	674	955	1214	1362	1406		271
25	648	987	1275	1409	1445		
30	616	997	1284	1402	1431		
35	576	982	1249	1357	1386		357
40	529	940	1186	1303	1344		395
45	476	869	1105	1253	1299		
50	417	777	1019	1174	1201		
55	354	671	923	1016	1011		364
60	290	559	776	792	763		239
65	225	447	579	537	487		
70	162	341	380	320	291		
75	105	219	218	186	172		104
80	56	118	113	95	88		22
85	20	45	39	36	34		
90	0	0	0	0	0		

BOTH SIDES  
ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	644	24.79	27.56
0-40	1080	41.53	46.18
0-60	1940	74.62	82.98
0-90	2338	89.93	100.00
40-90	1258	48.40	53.82
60-90	398	15.31	17.02
90-180	0	0.00	0.00
0-180	2338	89.93	100.00

\*\* EFFICIENCY: 89.9% \*\*

LUMINOUS LENGTH: 47.000 INS  
WIDTH: 5.625 INS

LUMINANCE SUMMARY - CD./SQ.M.  
BEAM SIDE

ANGLE	ALONG	45	ACROSS
45	3946	9198	10813
55	3618	9470	10378
65	3121	8060	6784
75	2378	4948	3921
85	1345	2658	2300

CERTIFIED BY:

*Tan Leung*  
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. 26209

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 28 WATT T5 LAMP, CAT# FP28/835/ECO. LUMEN RATING = 2600 LMS.  
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 30.4 WATTS

BEAM SIDE  
INTENSITY (CANDLEPOWER) DATA  
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS	AVERAGE	
0.0	728	728	728	728	728	728	
2.5	713	760	788	805	812	779	
5.0	711	792	850	890	907	835	43
7.5	708	822	914	981	1005	894	
10.0	704	852	981	1074	1106	953	
12.5	699	881	1046	1163	1202	1010	
15.0	692	909	1108	1244	1290	1063	151
17.5	684	933	1165	1311	1359	1108	
20.0	674	955	1214	1362	1406	1143	
22.5	662	973	1251	1394	1433	1166	
25.0	648	987	1275	1409	1445	1180	271
27.5	633	995	1286	1411	1443	1183	
30.0	616	997	1284	1402	1431	1177	
32.5	597	993	1271	1382	1409	1162	
35.0	576	982	1249	1357	1386	1142	357
37.5	553	964	1221	1330	1365	1119	
40.0	529	940	1186	1303	1344	1091	
42.5	503	908	1147	1277	1324	1061	
45.0	476	869	1105	1253	1299	1029	395
47.5	447	825	1062	1221	1261	991	
50.0	417	777	1019	1174	1201	945	
52.5	386	725	974	1108	1115	889	
55.0	354	671	923	1016	1011	823	364
57.5	322	616	858	909	894	747	
60.0	290	559	776	792	763	663	
62.5	257	502	680	666	624	572	
65.0	225	447	579	537	487	480	239
67.5	193	395	478	417	376	394	
70.0	162	341	380	320	291	317	
72.5	132	281	291	245	226	249	
75.0	105	219	218	186	172	191	104
77.5	79	164	160	137	126	141	
80.0	56	118	113	95	88	100	
82.5	36	78	72	62	58	65	
85.0	20	45	39	36	34	37	22
87.5	7	15	13	13	12	13	
90.0	0	0	0	0	0	0	

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

CERTIFIED TEST REPORT No. 26209

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 28 WATT T5 LAMP, CAT# FP28/835/ECO. LUMEN RATING = 2600 LMS.  
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 30.4 WATTS

BEAM SIDE  
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	67.5	45	22.5	ACROSS
0	4267( 1245)	4267( 1245)	4267( 1245)	4267( 1245)	4267( 1245)
30	4170( 1217)	6771( 1976)	8714( 2543)	9512( 2776)	9684( 2826)
40	4048( 1181)	7210( 2104)	9088( 2652)	10001( 2919)	10285( 3001)
45	3946( 1151)	7214( 2105)	9198( 2684)	10420( 3041)	10813( 3156)
50	3803( 1110)	7111( 2075)	9294( 2712)	10741( 3135)	10956( 3197)
55	3618( 1056)	6875( 2006)	9470( 2764)	10413( 3039)	10378( 3029)
60	3400( 992)	6579( 1920)	9111( 2659)	9306( 2716)	8949( 2612)
65	3121( 911)	6212( 1813)	8060( 2352)	7467( 2179)	6784( 1980)
70	2777( 810)	5874( 1714)	6531( 1906)	5500( 1605)	4989( 1456)
75	2378( 694)	4981( 1453)	4948( 1444)	4237( 1236)	3921( 1144)
80	1890( 551)	3990( 1164)	3834( 1119)	3216( 938)	2986( 871)
85	1345( 392)	3007( 877)	2658( 776)	2403( 701)	2300( 671)

LUMINOUS LENGTH: 47.000 INS  
WIDTH: 5.625 INS

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

CERTIFIED TEST REPORT No. 26209

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 28 WATT T5 LAMP, CAT# FP28/835/ECO. LUMEN RATING = 2600 LMS.  
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 30.4 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	728	728	728	728	728	728	
2.5	713	697	674	657	651	677	
5.0	711	667	624	594	582	633	29
7.5	708	638	576	536	522	591	
10.0	704	609	531	484	470	553	
12.5	699	581	490	438	421	517	
15.0	692	553	452	395	377	483	67
17.5	684	525	415	354	336	451	
20.0	674	497	380	317	298	420	
22.5	662	469	347	283	263	390	
25.0	648	442	315	250	230	361	83
27.5	633	414	284	218	199	333	
30.0	616	386	254	189	170	306	
32.5	597	358	226	162	143	279	
35.0	576	330	198	136	116	253	78
37.5	553	302	172	111	87	226	
40.0	529	274	146	82	66	200	
42.5	503	246	122	62	52	177	
45.0	476	219	99	49	41	156	60
47.5	447	193	75	39	32	137	
50.0	417	167	57	31	26	119	
52.5	386	142	44	26	21	104	
55.0	354	118	34	21	17	90	40
57.5	322	95	28	17	14	77	
60.0	290	74	22	13	11	65	
62.5	257	55	18	10	8	54	
65.0	225	38	14	8	6	44	22
67.5	193	27	11	6	5	36	
70.0	162	20	8	4	3	29	
72.5	132	15	6	3	2	23	
75.0	105	11	4	2	1	18	9
77.5	79	8	3	1	0	13	
80.0	56	5	1	0	0	9	
82.5	36	3	0	0	0	5	
85.0	20	1	0	0	0	3	2
87.5	7	0	0	0	0	1	
90.0	0	0	0	0	0	0	

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

CERTIFIED TEST REPORT No. 26209

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 28 WATT T5 LAMP, CAT# FP28/835/ECO. LUMEN RATING = 2600 LMS.  
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 30.4 WATTS

OPPOSITE SIDE TO BEAM  
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	112.5	135	157.5	ACROSS
0	4267( 1245)	4267( 1245)	4267( 1245)	4267( 1245)	4267( 1245)
30	4170( 1217)	2619( 764)	1727( 504)	1283( 374)	1152( 336)
40	4048( 1181)	2101( 613)	1120( 326)	631( 184)	502( 146)
45	3946( 1151)	1819( 531)	823( 240)	408( 119)	338( 98)
50	3803( 1110)	1530( 446)	516( 150)	286( 83)	239( 69)
55	3618( 1056)	1208( 352)	352( 103)	211( 61)	174( 51)
60	3400( 992)	872( 254)	256( 74)	155( 45)	125( 36)
65	3121( 911)	523( 152)	193( 56)	115( 33)	86( 25)
70	2777( 810)	341( 99)	140( 41)	76( 22)	54( 15)
75	2378( 694)	248( 72)	94( 27)	44( 13)	24( 7)
80	1890( 551)	170( 49)	44( 12)	7( 2)	0( 0)
85	1345( 392)	44( 12)	0( 0)	0( 0)	0( 0)

LUMINOUS LENGTH: 47.000 INS  
WIDTH: 5.625 INS

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

CERTIFIED TEST REPORT No. 26209

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 28 WATT T5 LAMP, CAT# FP28/835/ECO. LUMEN RATING = 2600 LMS.  
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 30.4 WATTS

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	1.101	1.101	1.101	1.10	1.071	1.071	1.071	1.07	1.051	1.051	1.051	1.05	1.001	1.001	1.00	0.960	0.960	0.96	0.920	0.920	0.92	0.90			
1	1.010	0.970	0.940	0.90	0.990	0.950	0.920	0.89	0.970	0.930	0.900	0.87	0.890	0.870	0.85	0.860	0.840	0.82	0.830	0.810	0.80	0.78			
2	0.930	0.860	0.800	0.75	0.910	0.840	0.790	0.74	0.890	0.830	0.780	0.73	0.790	0.750	0.72	0.770	0.730	0.70	0.740	0.710	0.69	0.67			
3	0.860	0.760	0.690	0.63	0.830	0.750	0.680	0.63	0.810	0.740	0.670	0.62	0.710	0.660	0.61	0.690	0.640	0.60	0.660	0.630	0.59	0.57			
4	0.790	0.680	0.600	0.54	0.770	0.670	0.590	0.54	0.750	0.660	0.590	0.53	0.630	0.570	0.53	0.610	0.560	0.52	0.590	0.550	0.51	0.49			
5	0.720	0.600	0.520	0.46	0.700	0.590	0.510	0.45	0.680	0.580	0.510	0.45	0.560	0.500	0.45	0.540	0.490	0.44	0.530	0.480	0.44	0.42			
6	0.660	0.540	0.450	0.40	0.640	0.530	0.450	0.39	0.630	0.520	0.440	0.39	0.500	0.440	0.39	0.490	0.430	0.38	0.470	0.420	0.38	0.36			
7	0.610	0.480	0.400	0.35	0.590	0.470	0.400	0.34	0.580	0.470	0.390	0.34	0.450	0.380	0.34	0.440	0.380	0.33	0.430	0.370	0.33	0.31			
8	0.560	0.430	0.350	0.30	0.540	0.420	0.350	0.29	0.530	0.420	0.340	0.29	0.400	0.340	0.29	0.390	0.330	0.29	0.380	0.330	0.29	0.27			
9	0.510	0.390	0.310	0.25	0.500	0.380	0.300	0.25	0.490	0.370	0.300	0.25	0.360	0.300	0.25	0.350	0.290	0.25	0.340	0.290	0.25	0.23			
10	0.470	0.350	0.270	0.22	0.460	0.340	0.270	0.22	0.450	0.340	0.270	0.22	0.330	0.260	0.22	0.320	0.260	0.22	0.310	0.260	0.22	0.20			

LUMINAIRE INPUT WATTS 30.4

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.