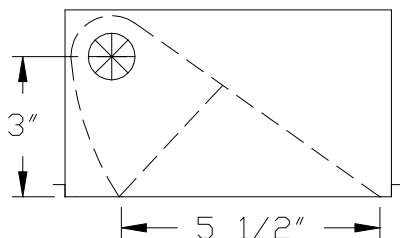
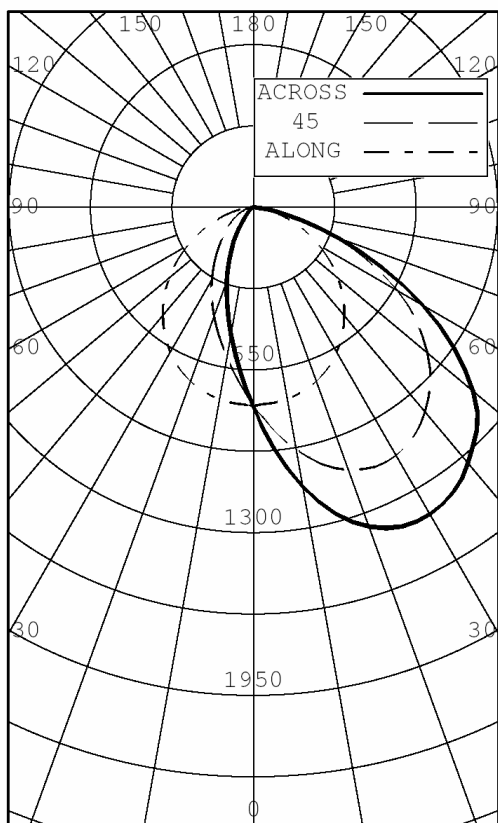




CERTIFIED TEST REPORT No. 26208

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 32 WATT T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 29.6 WATTS



INTENSITY (CANDLEPOWER)				SUMMARY		OUTPUT LUMENS
ANGLE	ALONG	BEAM	SIDE	22.5	ACROSS	
0	796	796	796	796	796	44
5	787	838	888	934	969	
10	778	881	983	1071	1133	
15	762	915	1063	1185	1269	
20	739	933	1118	1262	1359	148
25	707	936	1145	1302	1408	
30	667	921	1143	1307	1415	
35	619	888	1116	1281	1390	
40	565	839	1065	1229	1333	335
45	505	776	999	1157	1262	
50	440	696	906	1059	1145	
55	372	601	795	910	975	
60	303	500	661	736	779	331
65	234	392	504	544	565	
70	167	289	349	361	368	
75	107	189	210	204	202	
80	56	102	103	94	91	103
85	20	39	36	34	33	
90	0	0	0	0	0	

BOTH SIDES  
ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	655	22.22	27.93
0-40	1086	36.82	46.28
0-60	1930	65.44	82.26
0-90	2347	79.55	100.00
40-90	1261	42.73	53.72
60-90	416	14.11	17.74
90-180	0	0.00	0.00
0-180	2347	79.55	100.00

\*\* EFFICIENCY: 79.6% \*\*

LUMINOUS LENGTH: 47.000 INS  
WIDTH: 5.630 INS

LUMINANCE SUMMARY - CD./SQ.M.

BEAM SIDE			
ANGLE	ALONG	45	ACROSS
45	4183	8303	10490
55	3799	8146	9999
65	3243	7012	7854
75	2421	4768	4579
85	1344	2412	2198

CERTIFIED BY:

*Tan Levin*

PREPARED FOR:

FINELITE  
UNION CITY, CA

DATE:  
NOV 6, 2009

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

CERTIFIED TEST REPORT No. 26208

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 32 WATT T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 29.6 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	796	796	796	796	796	796	
2.5	789	813	838	864	883	838	
5.0	787	838	888	934	969	885	44
7.5	784	861	937	1004	1053	930	
10.0	778	881	983	1071	1133	973	
12.5	771	899	1025	1132	1205	1011	
15.0	762	915	1063	1185	1269	1045	148
17.5	751	926	1093	1228	1320	1071	
20.0	739	933	1118	1262	1359	1091	
22.5	723	937	1134	1286	1388	1103	
25.0	707	936	1145	1302	1408	1110	256
27.5	688	930	1148	1309	1416	1110	
30.0	667	921	1143	1307	1415	1103	
32.5	644	906	1132	1296	1406	1090	
35.0	619	888	1116	1281	1390	1072	335
37.5	593	866	1094	1260	1367	1050	
40.0	565	839	1065	1229	1333	1021	
42.5	536	809	1033	1194	1297	988	
45.0	505	776	999	1157	1262	954	366
47.5	473	738	957	1115	1214	913	
50.0	440	696	906	1059	1145	864	
52.5	406	649	851	990	1063	806	
55.0	372	601	795	910	975	745	331
57.5	337	551	732	826	880	679	
60.0	303	500	661	736	779	609	
62.5	268	446	583	642	674	536	
65.0	234	392	504	544	565	460	228
67.5	200	339	426	449	462	386	
70.0	167	289	349	361	368	317	
72.5	136	240	277	278	280	251	
75.0	107	189	210	204	202	189	103
77.5	80	142	152	142	138	136	
80.0	56	102	103	94	91	93	
82.5	36	68	65	60	58	60	
85.0	20	39	36	34	33	34	21
87.5	8	15	14	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. 26208

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 32 WATT T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 29.6 WATTS

BEAM SIDE  
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	67.5	45	22.5	ACROSS
0	4663( 1361)	4663( 1361)	4663( 1361)	4663( 1361)	4663( 1361)
30	4511( 1316)	6244( 1822)	7752( 2262)	8859( 2585)	9572( 2793)
40	4320( 1260)	6431( 1877)	8153( 2379)	9426( 2751)	10191( 2974)
45	4183( 1220)	6433( 1877)	8303( 2423)	9614( 2806)	10490( 3061)
50	4009( 1170)	6363( 1857)	8261( 2411)	9680( 2825)	10434( 3045)
55	3799( 1108)	6147( 1794)	8146( 2377)	9321( 2720)	9999( 2918)
60	3549( 1036)	5873( 1714)	7747( 2261)	8642( 2522)	9125( 2663)
65	3243( 946)	5444( 1589)	7012( 2046)	7567( 2208)	7854( 2292)
70	2860( 834)	4967( 1449)	6001( 1751)	6192( 1807)	6296( 1837)
75	2421( 706)	4287( 1251)	4768( 1391)	4638( 1353)	4579( 1336)
80	1889( 551)	3451( 1007)	3492( 1019)	3166( 924)	3067( 895)
85	1344( 392)	2614( 762)	2412( 704)	2297( 670)	2198( 641)

LUMINOUS LENGTH: 47.000 INS  
WIDTH: 5.630 INS

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

CERTIFIED TEST REPORT No. 26208

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 32 WATT T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 29.6 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	796	796	796	796	796	796	
2.5	789	762	742	731	725	748	
5.0	787	737	696	669	649	705	33
7.5	784	712	653	611	581	664	
10.0	778	685	611	557	519	626	
12.5	771	660	572	508	463	589	
15.0	762	634	534	461	409	554	77
17.5	751	608	498	418	359	520	
20.0	739	582	464	377	315	487	
22.5	723	556	429	337	271	455	
25.0	707	528	396	302	232	424	97
27.5	688	501	365	267	195	394	
30.0	667	473	334	235	161	364	
32.5	644	445	305	206	132	336	
35.0	619	417	276	178	105	308	96
37.5	593	389	249	153	80	282	
40.0	565	361	224	131	60	257	
42.5	536	333	201	114	48	235	
45.0	505	305	180	101	39	215	83
47.5	473	278	161	91	32	196	
50.0	440	252	144	82	27	178	
52.5	406	225	129	72	21	160	
55.0	372	199	115	64	16	143	64
57.5	337	175	104	57	14	128	
60.0	303	151	92	50	11	112	
62.5	268	128	80	43	8	97	
65.0	234	108	69	36	5	83	41
67.5	200	91	58	30	4	71	
70.0	167	76	48	25	2	58	
72.5	136	61	39	20	1	47	
75.0	107	48	31	15	0	37	20
77.5	80	36	23	11	0	27	
80.0	56	25	15	8	0	19	
82.5	36	16	10	5	0	12	
85.0	20	9	4	1	0	6	4
87.5	8	3	1	0	0	2	
90.0	0	0	0	0	0	0	

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

CERTIFIED TEST REPORT No. 26208

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 32 WATT T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 29.6 WATTS

OPPOSITE SIDE TO BEAM  
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	112.5	135	157.5	ACROSS
0	4663( 1361)	4663( 1361)	4663( 1361)	4663( 1361)	4663( 1361)
30	4511( 1316)	3210( 936)	2267( 661)	1592( 464)	1092( 318)
40	4320( 1260)	2763( 806)	1711( 499)	1002( 292)	457( 133)
45	4183( 1220)	2533( 739)	1500( 437)	842( 245)	322( 94)
50	4009( 1170)	2301( 671)	1307( 381)	748( 218)	245( 71)
55	3799( 1108)	2034( 593)	1182( 345)	656( 191)	169( 49)
60	3549( 1036)	1773( 517)	1074( 313)	582( 170)	131( 38)
65	3243( 946)	1501( 438)	958( 279)	507( 148)	76( 22)
70	2860( 834)	1300( 379)	827( 241)	428( 124)	41( 12)
75	2421( 706)	1099( 321)	705( 205)	350( 102)	6( 1)
80	1889( 551)	849( 247)	522( 152)	258( 75)	0( 0)
85	1344( 392)	587( 171)	289( 84)	63( 18)	0( 0)

LUMINOUS LENGTH: 47.000 INS  
WIDTH: 5.630 INS

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

CERTIFIED TEST REPORT No. 26208

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1  
WITH SEMI-SPECULAR REFLECTOR AND FROSTED LENS  
ONE SYLVANIA 32 WATT T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 29.6 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	0.970	0.970	0.970	0.97	0.950	0.950	0.950	0.95	0.930	0.930	0.930	0.93	0.880	0.880	0.88	0.850	0.850	0.85	0.810	0.810	0.81	0.810	0.810	0.81	0.80
1	0.900	0.860	0.830	0.80	0.880	0.840	0.810	0.78	0.850	0.830	0.800	0.77	0.790	0.770	0.75	0.760	0.740	0.72	0.730	0.720	0.70	0.730	0.720	0.70	0.69
2	0.820	0.760	0.710	0.66	0.800	0.750	0.700	0.65	0.790	0.730	0.680	0.65	0.700	0.660	0.63	0.680	0.650	0.62	0.650	0.630	0.60	0.650	0.630	0.60	0.59
3	0.760	0.670	0.610	0.56	0.740	0.660	0.600	0.56	0.720	0.650	0.590	0.55	0.630	0.580	0.54	0.600	0.570	0.53	0.590	0.550	0.52	0.590	0.550	0.52	0.51
4	0.690	0.600	0.530	0.48	0.680	0.590	0.520	0.47	0.660	0.580	0.520	0.47	0.560	0.510	0.46	0.540	0.500	0.46	0.520	0.490	0.45	0.520	0.490	0.45	0.44
5	0.640	0.530	0.460	0.40	0.620	0.520	0.450	0.40	0.600	0.510	0.450	0.40	0.500	0.440	0.40	0.480	0.430	0.39	0.470	0.420	0.39	0.470	0.420	0.39	0.37
6	0.590	0.470	0.400	0.35	0.570	0.470	0.400	0.35	0.550	0.460	0.390	0.35	0.440	0.390	0.34	0.430	0.380	0.34	0.420	0.370	0.34	0.420	0.370	0.34	0.32
7	0.540	0.420	0.350	0.31	0.520	0.420	0.350	0.30	0.510	0.410	0.350	0.30	0.400	0.340	0.30	0.390	0.330	0.30	0.380	0.330	0.29	0.380	0.330	0.29	0.28
8	0.490	0.380	0.310	0.26	0.480	0.370	0.310	0.26	0.470	0.370	0.300	0.26	0.360	0.300	0.26	0.350	0.290	0.26	0.340	0.290	0.25	0.340	0.290	0.25	0.24
9	0.450	0.340	0.270	0.22	0.440	0.340	0.270	0.22	0.430	0.330	0.270	0.22	0.320	0.260	0.22	0.310	0.260	0.22	0.300	0.260	0.22	0.300	0.260	0.22	0.20
10	0.420	0.310	0.240	0.20	0.410	0.310	0.240	0.20	0.400	0.300	0.240	0.20	0.290	0.240	0.20	0.280	0.230	0.19	0.280	0.230	0.19	0.280	0.230	0.19	0.18

LUMINAIRE INPUT WATTS 29.6

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.