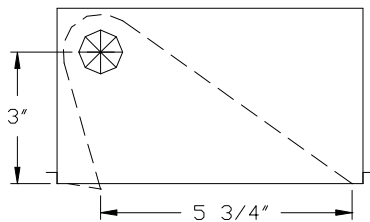
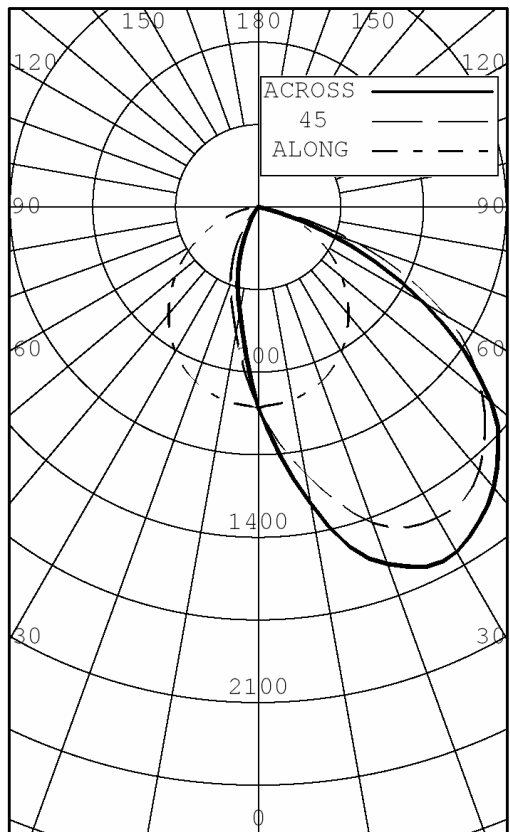




CERTIFIED TEST REPORT No. 25849

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND NO 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 WATTS



INTENSITY (CANDLEPOWER)				SUMMARY		OUTPUT LUMENS
ANGLE	ALONG	BEAM	SIDE	22.5	ACROSS	
0	852	852	852	852	852	50
5	841	935	1000	1040	1054	
10	831	1009	1145	1239	1274	
15	812	1073	1292	1445	1491	176
20	785	1128	1427	1573	1612	318
25	750	1174	1498	1636	1682	
30	706	1210	1519	1659	1685	
35	653	1218	1516	1609	1628	427
40	594	1190	1454	1534	1549	471
45	531	1131	1356	1426	1436	
50	462	1057	1237	1297	1288	
55	391	956	1096	1093	1063	430
60	319	823	918	851	810	291
65	248	681	692	595	546	
70	178	527	451	333	302	
75	113	342	220	134	95	111
80	57	149	49	34	29	12
85	18	19	11	9	8	
90	0	0	0	0	0	

BOTH SIDES
ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	720	24.40	27.34
0-40	1209	40.99	45.93
0-60	2189	74.20	83.14
0-90	2633	89.24	100.00
40-90	1423	48.25	54.07
60-90	444	15.04	16.86
90-180	0	0.00	0.00
0-180	2633	89.24	100.00

** EFFICIENCY: 89.2% **

LUMINOUS LENGTH: 47.000 INS
WIDTH: 5.620 INS

LUMINANCE SUMMARY - CD./SQ.M.

BEAM SIDE			
ANGLE	ALONG	45	ACROSS
45	4406	11299	11959
55	4000	11254	10917
65	3443	9645	7609
75	2562	4994	2163
85	1211	774	553

CERTIFIED BY:

Jan Levin
PREPARED FOR:

DATE:
DEC 8, 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. 25849

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND NO 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 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	852	852	852	852	852	852	
2.5	844	898	922	941	943	914	
5.0	841	935	1000	1040	1054	981	50
7.5	837	974	1074	1139	1163	1047	
10.0	831	1009	1145	1239	1274	1111	
12.5	822	1042	1218	1345	1389	1178	
15.0	812	1073	1292	1445	1491	1240	176
17.5	800	1102	1365	1520	1563	1292	
20.0	785	1128	1427	1573	1612	1332	
22.5	769	1152	1470	1609	1649	1360	
25.0	750	1174	1498	1636	1682	1381	318
27.5	729	1194	1513	1659	1695	1394	
30.0	706	1210	1519	1659	1685	1396	
32.5	680	1218	1522	1639	1660	1387	
35.0	653	1218	1516	1609	1628	1371	427
37.5	624	1208	1492	1574	1594	1346	
40.0	594	1190	1454	1534	1549	1312	
42.5	563	1163	1408	1482	1496	1271	
45.0	531	1131	1356	1426	1436	1224	471
47.5	497	1094	1300	1364	1375	1173	
50.0	462	1057	1237	1297	1288	1117	
52.5	427	1009	1169	1204	1177	1046	
55.0	391	956	1096	1093	1063	968	430
57.5	356	892	1017	977	937	883	
60.0	319	823	918	851	810	789	
62.5	283	753	807	727	681	692	
65.0	248	681	692	595	546	591	291
67.5	213	604	572	466	424	490	
70.0	178	527	451	333	302	388	
72.5	145	439	330	231	193	292	
75.0	113	342	220	134	95	200	111
77.5	84	245	123	60	48	123	
80.0	57	149	49	34	29	69	
82.5	35	69	24	18	17	34	
85.0	18	19	11	9	8	13	12
87.5	8	6	4	3	3	4	
90.0	0	0	0	0	0	0	

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

CERTIFIED TEST REPORT No. 25849

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND NO 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 WATTS

BEAM SIDE
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	67.5	45	22.5	ACROSS
0	5001(1459)	5001(1459)	5001(1459)	5001(1459)	5001(1459)
30	4783(1396)	8220(2399)	10321(3012)	11268(3288)	11417(3332)
40	4550(1328)	9140(2667)	11152(3254)	11778(3437)	11866(3463)
45	4406(1286)	9395(2742)	11299(3297)	11868(3464)	11959(3490)
50	4217(1230)	9688(2827)	11296(3297)	11871(3464)	11758(3431)
55	4000(1167)	9801(2860)	11254(3284)	11212(3272)	10917(3186)
60	3743(1092)	9693(2829)	10785(3147)	10008(2921)	9509(2775)
65	3443(1005)	9459(2760)	9645(2815)	8293(2420)	7609(2221)
70	3053(891)	9079(2650)	7765(2266)	5719(1669)	5174(1510)
75	2562(747)	7788(2273)	4994(1457)	3049(890)	2163(631)
80	1926(562)	5064(1478)	1663(485)	1139(332)	992(289)
85	1211(353)	1294(377)	774(226)	621(181)	553(161)

LUMINOUS LENGTH: 47.000 INS
WIDTH: 5.620 INS

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

CERTIFIED TEST REPORT No. 25849

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND NO 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 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	852	852	852	852	852	852	
2.5	844	811	772	743	732	779	
5.0	841	769	696	647	625	711	32
7.5	837	726	622	554	531	646	
10.0	831	681	549	475	455	587	
12.5	822	634	484	422	400	538	
15.0	812	589	437	370	346	493	68
17.5	800	543	393	318	292	450	
20.0	785	498	351	268	239	407	
22.5	769	455	308	219	187	365	
25.0	750	419	266	171	139	325	74
27.5	729	387	227	127	96	288	
30.0	706	353	185	89	67	253	
32.5	680	320	146	64	50	224	
35.0	653	287	110	48	38	198	62
37.5	624	254	81	38	30	175	
40.0	594	221	60	30	23	155	
42.5	563	190	47	24	18	138	
45.0	531	159	38	19	14	122	47
47.5	497	130	31	15	11	108	
50.0	462	103	25	13	9	94	
52.5	427	78	20	10	7	81	
55.0	391	58	17	8	6	70	32
57.5	356	44	14	7	4	61	
60.0	319	35	11	5	3	53	
62.5	283	27	9	4	2	46	
65.0	248	21	7	3	2	39	20
67.5	213	17	6	2	1	33	
70.0	178	13	4	2	0	27	
72.5	145	10	3	1	0	22	
75.0	113	8	2	0	0	17	9
77.5	84	6	1	0	0	12	
80.0	57	4	0	0	0	8	
82.5	35	2	0	0	0	5	
85.0	18	0	0	0	0	2	2
87.5	8	0	0	0	0	1	
90.0	0	0	0	0	0	0	

LIGHTING SCIENCES, INC.
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CERTIFIED TEST REPORT No. 25849

FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND NO 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 WATTS

OPPOSITE SIDE TO BEAM
AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	112.5	135	157.5	ACROSS
0	5001(1459)	5001(1459)	5001(1459)	5001(1459)	5001(1459)
30	4783(1396)	2401(700)	1254(366)	604(176)	456(133)
40	4550(1328)	1700(496)	463(135)	228(66)	176(51)
45	4406(1286)	1324(386)	316(92)	158(46)	118(34)
50	4217(1230)	942(275)	226(66)	115(33)	84(24)
55	4000(1167)	594(173)	170(49)	85(24)	56(16)
60	3743(1092)	406(118)	133(38)	62(18)	38(11)
65	3443(1005)	297(86)	101(29)	45(13)	22(6)
70	3053(891)	232(67)	73(21)	28(8)	6(1)
75	2562(747)	177(51)	48(14)	8(2)	0(0)
80	1926(562)	124(36)	12(3)	0(0)	0(0)
85	1211(353)	8(2)	0(0)	0(0)	0(0)

LUMINOUS LENGTH: 47.000 INS
WIDTH: 5.620 INS

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FINELITE - 4' FLUORESCENT RECESSED ASYMMETRIC WALL WASH LUMINAIRE, CAT# HPW-1
WITH SEMI-SPECULAR REFLECTOR AND NO 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 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	1.091	1.091	1.091	1.09	1.061	1.061	1.061	1.06	1.041	1.041	1.041	1.04	0.990	0.990	0.99	0.950	0.950	0.95	0.910	0.910	0.91	0.89			
1	1.010	0.970	0.930	0.90	0.980	0.950	0.910	0.88	0.960	0.930	0.900	0.87	0.890	0.870	0.84	0.860	0.840	0.82	0.820	0.810	0.79	0.78			
2	0.920	0.860	0.800	0.75	0.900	0.840	0.790	0.74	0.880	0.820	0.770	0.73	0.790	0.750	0.71	0.760	0.730	0.70	0.740	0.710	0.68	0.67			
3	0.850	0.760	0.690	0.63	0.830	0.740	0.680	0.63	0.810	0.730	0.670	0.62	0.710	0.650	0.61	0.680	0.640	0.60	0.660	0.620	0.59	0.57			
4	0.780	0.670	0.600	0.54	0.760	0.660	0.590	0.53	0.740	0.650	0.590	0.53	0.630	0.570	0.52	0.610	0.560	0.52	0.590	0.550	0.51	0.49			
5	0.720	0.600	0.510	0.45	0.700	0.590	0.510	0.45	0.680	0.580	0.500	0.45	0.560	0.490	0.45	0.540	0.480	0.44	0.520	0.480	0.43	0.42			
6	0.660	0.530	0.450	0.39	0.640	0.520	0.450	0.39	0.620	0.510	0.440	0.39	0.500	0.430	0.38	0.480	0.430	0.38	0.470	0.420	0.38	0.36			
7	0.600	0.480	0.400	0.34	0.590	0.470	0.390	0.34	0.570	0.460	0.390	0.34	0.450	0.380	0.33	0.430	0.370	0.33	0.420	0.370	0.33	0.31			
8	0.550	0.420	0.350	0.29	0.540	0.420	0.340	0.29	0.530	0.410	0.340	0.29	0.400	0.330	0.29	0.390	0.330	0.29	0.380	0.320	0.28	0.27			
9	0.510	0.380	0.300	0.25	0.500	0.380	0.300	0.25	0.480	0.370	0.300	0.25	0.360	0.290	0.25	0.350	0.290	0.25	0.340	0.280	0.24	0.23			
10	0.470	0.350	0.270	0.22	0.460	0.340	0.270	0.22	0.450	0.330	0.270	0.22	0.330	0.260	0.22	0.320	0.260	0.22	0.310	0.250	0.21	0.20			

LUMINAIRE INPUT WATTS 29.0

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.