



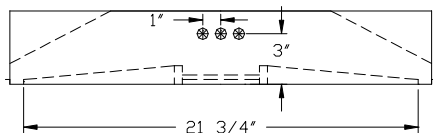
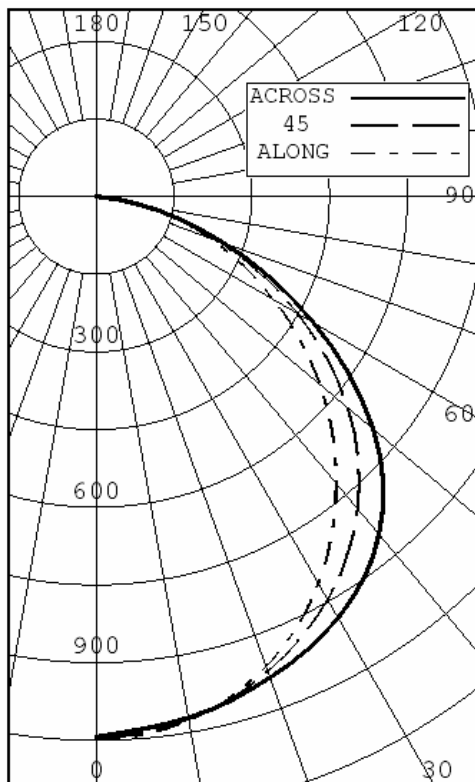
# Lighting Sciences

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. 25445

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-3T5-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .120 CENTER LENS  
THREE SYLVANIA 14 WATT T5 LAMPS, CAT# FP14/835/ECO. LUMEN RATING = 1200 LMS.  
TWO SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 47 WATTS



INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1044	1044	1044	1044	1044	100
5	1043	1041	1039	1035	1032	
10	1027	1025	1025	1024	1022	
15	1000	1000	1003	1007	1007	
20	963	964	973	984	987	
25	916	919	937	957	965	432
30	859	866	895	925	937	
35	793	805	844	884	900	
40	720	736	784	831	849	
45	643	661	714	764	782	548
50	566	581	632	680	696	
55	478	495	541	580	593	
60	394	408	444	472	482	
65	311	321	345	365	370	339
70	231	237	249	261	263	
75	157	158	161	166	166	
80	90	88	86	85	84	
85	34	31	25	23	22	36
90	0	0	0	0	0	

## ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	815	22.63	27.94
0-40	1342	37.28	46.02
0-60	2369	65.81	81.23
0-90	2917	81.02	100.00
40-90	1575	43.74	53.98
60-90	547	15.21	18.77
90-180	0	0.00	0.00
0-180	2917	81.02	100.00

\*\* EFFICIENCY: 81.0% \*\*

## LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	1409	1570	1720
55	1291	1466	1607
65	1139	1268	1363
75	937	967	998
85	607	454	389

S/MH: 1.3  
SC (ALONG): 1.2, SC (ACROSS): 1.3

CERTIFIED BY:

*Jan Levin*

DATE:  
JUL 1, 2009

PREPARED FOR:

FINELITE  
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	1617(	472)	1617(	472)	1617(	472)	1617(	472)	1617(	472)
30	1536(	448)	1553(	453)	1605(	468)	1658(	483)	1675(	489)
40	1456(	425)	1492(	435)	1587(	463)	1685(	492)	1717(	501)
45	1409(	411)	1450(	423)	1570(	458)	1678(	489)	1720(	502)
50	1363(	398)	1404(	410)	1523(	444)	1643(	479)	1678(	489)
55	1291(	377)	1339(	390)	1466(	427)	1571(	458)	1607(	469)
60	1219(	355)	1267(	369)	1376(	401)	1466(	428)	1493(	436)
65	1139(	332)	1177(	343)	1268(	370)	1340(	391)	1363(	397)
70	1046(	305)	1077(	314)	1130(	330)	1182(	345)	1192(	348)
75	937(	273)	950(	277)	967(	282)	995(	290)	998(	291)
80	802(	234)	791(	230)	768(	224)	763(	222)	745(	217)
85	607(	177)	559(	163)	454(	132)	417(	121)	389(	113)

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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	0.990	0.990	0.990	0.99	0.960	0.960	0.960	0.96	0.940	0.940	0.940	0.94	0.900	0.900	0.90	0.860	0.860	0.86	0.830	0.830	0.83	0.81			
1	0.910	0.870	0.840	0.81	0.890	0.860	0.820	0.80	0.870	0.840	0.810	0.78	0.800	0.780	0.76	0.770	0.750	0.74	0.740	0.730	0.71	0.70			
2	0.830	0.770	0.720	0.67	0.820	0.760	0.710	0.66	0.800	0.740	0.690	0.66	0.710	0.670	0.64	0.690	0.650	0.63	0.660	0.640	0.61	0.60			
3	0.770	0.680	0.620	0.57	0.750	0.670	0.610	0.56	0.730	0.660	0.600	0.56	0.640	0.590	0.55	0.610	0.570	0.54	0.590	0.560	0.53	0.51			
4	0.710	0.610	0.530	0.48	0.690	0.600	0.530	0.48	0.670	0.590	0.530	0.48	0.570	0.510	0.47	0.550	0.500	0.46	0.530	0.490	0.46	0.44			
5	0.650	0.540	0.460	0.41	0.630	0.530	0.460	0.41	0.610	0.520	0.450	0.40	0.500	0.440	0.40	0.490	0.430	0.40	0.470	0.430	0.39	0.37			
6	0.600	0.480	0.410	0.36	0.580	0.470	0.400	0.35	0.560	0.470	0.400	0.35	0.450	0.390	0.35	0.440	0.380	0.34	0.430	0.380	0.34	0.32			
7	0.540	0.430	0.360	0.31	0.530	0.430	0.360	0.31	0.520	0.420	0.350	0.30	0.410	0.340	0.30	0.390	0.340	0.30	0.380	0.340	0.30	0.28			
8	0.500	0.390	0.320	0.27	0.490	0.380	0.310	0.27	0.480	0.370	0.310	0.26	0.360	0.300	0.26	0.350	0.300	0.26	0.340	0.300	0.26	0.24			
9	0.460	0.350	0.280	0.23	0.450	0.340	0.270	0.23	0.440	0.340	0.270	0.23	0.330	0.270	0.23	0.320	0.260	0.22	0.310	0.260	0.22	0.21			
10	0.430	0.320	0.240	0.20	0.420	0.310	0.240	0.20	0.410	0.310	0.240	0.20	0.300	0.240	0.20	0.290	0.240	0.20	0.280	0.230	0.20	0.18			

LUMINAIRE INPUT WATTS 47.0

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.