



Lighting Sciences

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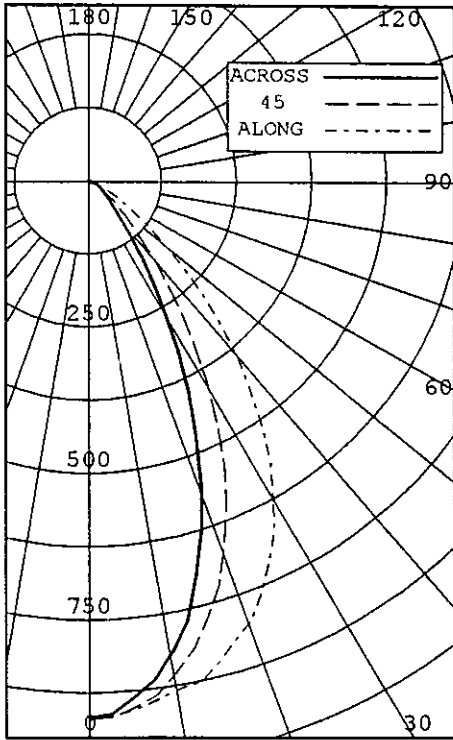
Lighting Sciences Inc.
7826 E. Evans Road
Scottsdale, Arizona 85260 USA
Tel: 480-991-9260 • Fax: 480-991-0375

CERTIFIED TEST REPORT No. 23944

DDP - LED WALL WASH LUMINAIRE, CAT# WG-24-2N-AF-3E-45-17WF-27K
WITH 45 DEGREE DIFFUSER AND CLEAR FLAT PLASTIC LENS
24 LEDS WITH INDIVIDUAL LENSES. LUMINAIRE LUMEN OUTPUT = 929 LMS.
OPERATING AT 120 VAC AND 40.5 WATTS

INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

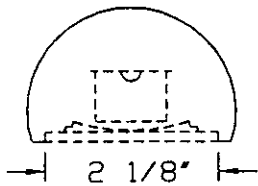
ANGLE	ALONG 22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	918	918	918	918	
5	906	893	903	896	85
10	881	871	852	832	817
15	848	820	770	725	697
20	797	751	663	586	553
25	716	663	537	437	399
30	619	547	399	294	262
35	506	421	274	186	158
40	386	301	173	110	94
45	269	199	105	69	59
50	172	123	65	46	42
55	105	74	44	34	32
60	62	46	31	25	25
65	37	29	21	19	18
70	21	18	15	13	13
75	12	10	8	8	7
80	5	4	3	3	3
85	1	0	0	0	1
90	0	0	0	0	0



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	548	59.06	59.06
0-40	737	79.39	79.39
0-60	893	96.20	96.20
0-90	929	100.00	100.00
40-90	191	20.61	20.61
60-90	35	3.80	3.80
90-180	0	0.00	0.00
0-180	929	100.00	100.00

** EFFICACY: 22.9 LUMENS/WATT **



LUMINANCE SUMMARY CD./SQ.M.

S/MH: 0.7
SC (ALONG): 1.1, SC (ACROSS): 0.7

ANGLE	ALONG	45	ACROSS
45	11757	4594	2573
55	5649	2353	1713
65	2726	1568	1345
75	1413	1004	854
85	315	90	226

CERTIFIED BY:

DATE:
JUN 19, 2008

PREPARED FOR:

DPP
SEGUNDO, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0.0	918	918	918	918	918	918	
2.5	915	916	917	914	912	915	
5.0	906	893	903	896	887	897	85
7.5	893	889	884	870	859	880	
10.0	881	871	852	832	817	851	
12.5	875	858	816	785	769	820	
15.0	848	820	770	725	697	772	215
17.5	821	791	725	660	628	725	
20.0	797	751	663	586	553	669	
22.5	758	711	602	512	471	610	
25.0	716	663	537	437	399	549	249
27.5	672	606	467	362	327	484	
30.0	619	547	399	294	262	420	
32.5	567	483	331	234	203	358	
35.0	506	421	274	186	158	303	189
37.5	444	360	217	141	120	250	
40.0	386	301	173	110	94	206	
42.5	323	246	134	86	73	166	
45.0	269	199	105	69	59	134	105
47.5	218	158	82	55	50	107	
50.0	172	123	65	46	42	85	
52.5	136	96	53	39	37	69	
55.0	105	74	44	34	32	55	51
57.5	81	58	36	29	28	45	
60.0	62	46	31	25	25	36	
62.5	48	36	26	22	22	30	
65.0	37	29	21	19	18	24	25
67.5	29	23	18	16	15	20	
70.0	21	18	15	13	13	16	
72.5	16	14	11	10	10	12	
75.0	12	10	8	8	7	9	10
77.5	7	6	6	5	5	6	
80.0	5	4	3	3	3	4	
82.5	2	2	2	2	2	2	
85.0	1	0	0	0	1	0	1
87.5	0	0	0	0	0	0	
90.0	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD./SQ.M. (FOOTLAMBERTS)			
		22.5	45	67.5	ACROSS
0	28364 (8278)	28364 (8278)	28364 (8278)	28364 (8278)	28364 (8278)
30	22060 (6438)	19554 (5707)	14268 (4164)	10524 (3071)	9331 (2723)
40	15555 (4540)	12152 (3546)	6998 (2042)	4432 (1293)	3798 (1108)
45	11757 (3431)	8715 (2543)	4594 (1341)	3006 (877)	2573 (751)
50	8259 (2410)	5920 (1727)	3102 (905)	2214 (646)	2012 (587)
55	5649 (1648)	4004 (1168)	2353 (687)	1829 (533)	1713 (500)
60	3838 (1120)	2865 (836)	1897 (553)	1577 (460)	1518 (443)
65	2726 (795)	2086 (608)	1568 (457)	1390 (405)	1345 (392)
70	1931 (563)	1627 (474)	1314 (383)	1152 (336)	1149 (335)
75	1413 (412)	1189 (347)	1004 (293)	930 (271)	854 (249)
80	815 (237)	750 (218)	591 (172)	589 (172)	611 (178)
85	315 (92)	90 (26)	90 (26)	90 (26)	226 (66)

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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	0									
RCR	0	1.221	.221	.221	.22	1.191	.191	.191	.19	1.161	.161	.161	.16	1.111	.111	.111	.11	1.061	.061	.061	.06	1.021	.021	.021	.02	1.000	.000	.000	.00		
	1	1.161	.121	.101	.07	1.131	.111	.081	.06	1.111	.091	.061	.04	1.041	.021	.01	1.010	.990	.98	0.970	.960	.95	0.93	0.920	.900	.89	0.87	0.850	.830	.82	0.80
	2	1.101	.051	.010	.97	1.081	.030	.990	.96	1.061	.010	.980	.95	0.980	.950	.92	0.950	.930	.90	0.920	.900	.89	0.87	0.850	.830	.82	0.80	0.780	.760	.75	0.73
	3	1.040	.970	.920	.88	1.020	.960	.910	.87	1.000	.950	.900	.87	0.920	.880	.85	0.900	.870	.84	0.880	.850	.83	0.81	0.790	.760	.75	0.73	0.710	.680	.67	0.65
	4	0.990	.910	.850	.81	0.970	.900	.850	.80	0.960	.890	.840	.80	0.870	.820	.79	0.850	.810	.78	0.830	.800	.77	0.75	0.730	.700	.69	0.67	0.650	.620	.61	0.59
	5	0.940	.850	.790	.74	0.920	.840	.780	.74	0.910	.830	.780	.74	0.810	.770	.73	0.900	.760	.72	0.780	.750	.72	0.70	0.680	.650	.64	0.62	0.600	.570	.56	0.54
	6	0.890	.800	.740	.69	0.880	.790	.730	.69	0.860	.780	.730	.69	0.770	.720	.68	0.750	.710	.68	0.740	.700	.67	0.65	0.630	.600	.59	0.57	0.550	.520	.51	0.49
	7	0.840	.740	.680	.64	0.830	.740	.680	.64	0.820	.730	.680	.63	0.720	.670	.63	0.710	.660	.63	0.700	.650	.62	0.60	0.580	.550	.54	0.52	0.500	.470	.46	0.44
	8	0.800	.700	.640	.60	0.790	.690	.630	.59	0.780	.680	.630	.59	0.680	.620	.59	0.670	.620	.58	0.660	.610	.58	0.56	0.540	.510	.50	0.48	0.460	.430	.42	0.40
	9	0.760	.660	.590	.55	0.750	.650	.590	.55	0.740	.640	.590	.55	0.640	.580	.55	0.630	.580	.54	0.620	.570	.54	0.52	0.500	.470	.46	0.44	0.420	.390	.38	0.36
	10	0.720	.620	.550	.51	0.710	.610	.550	.51	0.700	.610	.550	.51	0.600	.550	.51	0.590	.540	.51	0.580	.530	.50	0.48	0.460	.430	.42	0.40	0.380	.350	.34	0.32

LUMINAIRE INPUT WATTS = 40.5

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.