



# Lighting Sciences

www.lightingsciences.com

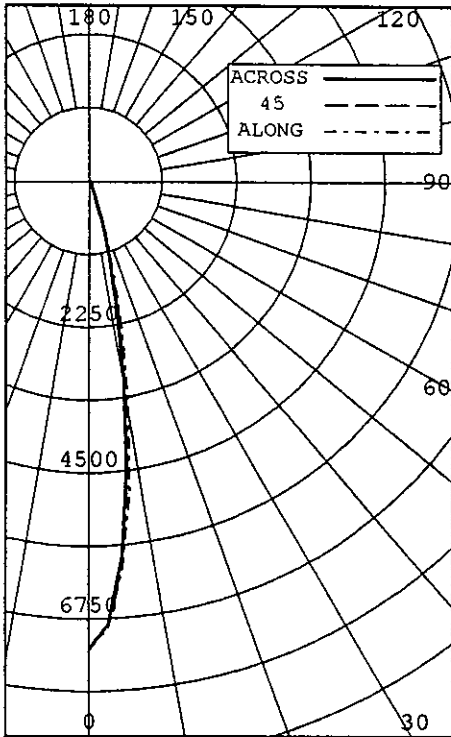
Lighting Sciences Inc.  
7826 E. Evans Road  
Scottsdale, Arizona 85260 USA  
Tel: 480-991-9260 • Fax: 480-991-0375

CERTIFIED TEST REPORT No. 23948

DDP - LED WALL WASH LUMINAIRE, CAT# WG-24-2N-AF-3E-15-17WF-35K  
WITH 15 DEGREE DIFFUSER AND CLEAR FLAT PLASTIC LENS  
24 LEDS WITH INDIVIDUAL LENSES. LUMINAIRE LUMEN OUTPUT = 1044 LMS.  
OPERATING AT 120 VAC AND 42.9 WATTS

### INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

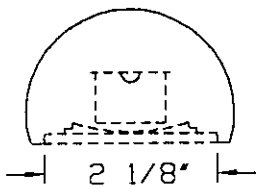
ANGLE	ALONG 22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	7235	7235	7235	7235	
5	5983	5885	5908	5797	474
10	3420	3320	3217	3104	
15	1489	1392	1267	1172	377
20	534	480	427	389	
25	211	193	176	166	93
30	113	105	103	100	
35	69	69	69	69	45
40	52	52	52	52	
45	37	37	37	33	28
50	27	27	25	27	
55	17	17	17	17	16
60	12	12	12	12	
65	5	9	5	9	8
70	5	5	5	5	
75	0	2	2	0	3
80	0	0	0	0	
85	0	0	0	0	0
90	0	0	0	0	



### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	944	90.48	90.48
0-40	989	94.77	94.77
0-60	1033	99.02	99.02
0-90	1043	100.00	100.00
40-90	54	5.23	5.23
60-90	10	0.98	0.98
90-180	0	0.00	0.00
0-180	1043	100.00	100.00

\*\* EFFICACY: 24.3 LUMENS/WATT \*\*



### LUMINANCE SUMMARY CD./SQ.M.

S/MH: 0.3  
SC: 0.3

ANGLE	ALONG	45	ACROSS
45	1620	1626	1572
55	932	935	935
65	361	362	634
75	0	295	0
85	0	0	0

CERTIFIED BY:

*Roger Tammy*

DATE:  
JUN 24, 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	7235	7235	7235	7235	7235	7235	
2.5	6884	6874	6848	6916	6844	6875	
5.0	5983	5885	5908	5797	5799	5870	474
7.5	4794	4667	4576	4486	4456	4588	
10.0	3420	3320	3217	3104	3068	3221	
12.5	2352	2222	2126	1998	1960	2125	
15.0	1489	1392	1267	1172	1145	1287	377
17.5	909	831	746	679	666	761	
20.0	534	480	427	389	380	438	
22.5	329	296	260	241	237	270	
25.0	211	193	176	166	166	181	93
27.5	142	136	130	124	127	131	
30.0	113	105	103	100	100	104	
32.5	85	88	84	82	85	85	
35.0	69	69	69	69	69	69	45
37.5	57	57	59	61	57	58	
40.0	52	52	52	52	52	52	
42.5	43	42	42	40	43	42	
45.0	37	37	37	33	36	36	28
47.5	30	30	30	30	27	29	
50.0	27	27	25	27	25	26	
52.5	21	25	25	21	21	23	
55.0	17	17	17	17	17	17	16
57.5	15	15	15	15	12	15	
60.0	12	12	12	12	12	12	
62.5	12	12	12	5	9	10	
65.0	5	9	5	9	9	7	8
67.5	5	5	5	5	5	5	
70.0	5	5	5	5	5	5	
72.5	5	5	5	2	5	4	
75.0	0	2	2	2	0	2	3
77.5	0	0	2	0	0	1	
80.0	0	0	2	0	0	1	
82.5	0	0	0	0	0	0	
85.0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	
90.0	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

ANGLE	CD./SQ.M.		(FOOTLAMBERTS)			
	ALONG	22.5	45	67.5	ACROSS	
0	223409 ( 65205)	223409 ( 65205)	223409 ( 65205)	223409 ( 65205)	223409 ( 65205)	
30	4012 ( 1171)	3758 ( 1096)	3669 ( 1070)	3580 ( 1044)	3571 ( 1042)	
40	2093 ( 611)	2099 ( 612)	2095 ( 611)	2099 ( 612)	2093 ( 611)	
45	1620 ( 472)	1622 ( 473)	1626 ( 474)	1462 ( 426)	1572 ( 458)	
50	1306 ( 381)	1311 ( 382)	1188 ( 346)	1310 ( 382)	1188 ( 346)	
55	932 ( 272)	933 ( 272)	935 ( 273)	934 ( 272)	935 ( 273)	
60	763 ( 222)	766 ( 223)	764 ( 223)	765 ( 223)	763 ( 222)	
65	361 ( 105)	633 ( 184)	362 ( 105)	634 ( 185)	634 ( 185)	
70	446 ( 130)	448 ( 130)	447 ( 130)	447 ( 130)	446 ( 130)	
75	0 ( 0)	296 ( 86)	295 ( 86)	296 ( 86)	0 ( 0)	
80	0 ( 0)	0 ( 0)	441 ( 128)	0 ( 0)	0 ( 0)	
85	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10							
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
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	.06	1.021	.021	.02	1.00					
1	1.181	.151	.141	.12	1.161	.141	.121	.10	1.131	.121	.101	.09	1.071	.061	.05	1.041	.031	.02	1.011	.000	.00	0.99						
2	1.141	.111	.081	.05	1.121	.091	.071	.04	1.101	.071	.051	.03	1.041	.021	.01	1.021	.000	.00	0.990	.980	.97	0.98						
3	1.111	.071	.031	.00	1.091	.051	.021	.00	1.081	.041	.010	.00	1.021	.000	.00	1.000	.980	.96	0.980	.960	.95	0.94						
4	1.081	.031	.000	.00	1.071	.020	.000	.00	1.051	.010	.000	.00	0.990	.970	.95	0.980	.950	.94	0.960	.940	.93	0.91						
5	1.061	.000	.000	.00	1.040	.000	.000	.00	1.030	.000	.000	.00	0.970	.940	.92	0.950	.930	.91	0.940	.920	.91	0.90						
6	1.030	.000	.000	.00	1.020	.000	.000	.00	1.010	.000	.000	.00	0.950	.920	.90	0.940	.920	.90	0.930	.910	.89	0.88						
7	1.010	.000	.000	.00	1.000	.000	.000	.00	0.990	.940	.910	.88	0.930	.900	.88	0.920	.890	.88	0.910	.890	.87	0.86						
8	0.990	.000	.000	.00	0.980	.000	.000	.00	0.970	.920	.890	.86	0.910	.880	.86	0.900	.890	.86	0.900	.870	.86	0.85						
9	0.970	.000	.000	.00	0.960	.000	.000	.00	0.960	.900	.870	.85	0.900	.870	.85	0.890	.860	.84	0.880	.860	.84	0.83						
10	0.950	.000	.000	.00	0.940	.000	.000	.00	0.940	.890	.860	.83	0.880	.850	.83	0.870	.850	.83	0.870	.840	.83	0.82						

LUMINAIRE INPUT WATTS = 42.9

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.