



Lighting Sciences

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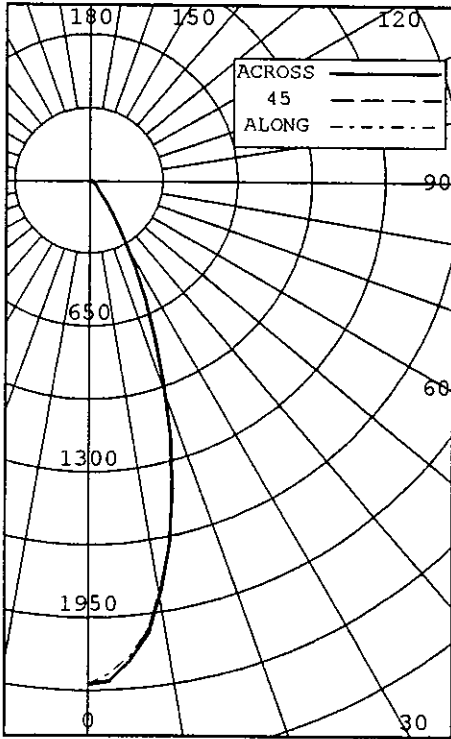
Lighting Sciences Inc.
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Scottsdale, Arizona 85260 USA
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CERTIFIED TEST REPORT No. 23949

DDP - LED WALL WASH LUMINAIRE, CAT# WG-24-2N-AF-3E-30-17WF-35K
WITH 30 DEGREE DIFFUSER AND CLEAR FLAT PLASTIC LENS
24 LEDS WITH INDIVIDUAL LENSES. LUMINAIRE LUMEN OUTPUT = 1055 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	2246	2246	2246	2246	2246	
5	2126	2123	2145	2139	2148	197
10	1830	1820	1837	1861	1854	
15	1413	1391	1393	1416	1425	382
20	965	946	945	942	964	
25	592	575	570	572	584	266
30	333	317	313	311	321	
35	177	171	168	168	171	112
40	98	95	95	96	97	
45	61	59	60	61	62	49
50	42	41	42	42	43	
55	30	30	31	30	31	28
60	22	21	22	23	23	
65	15	15	16	16	17	16
70	10	10	11	10	11	
75	5	5	6	6	6	6
80	2	2	2	2	2	
85	0	0	0	0	0	0
90	0	0	0	0	0	



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	844	80.08	80.08
0-40	956	90.65	90.65
0-60	1032	97.87	97.87
0-90	1054	100.00	100.00
40-90	98	9.35	9.35
60-90	22	2.13	2.13
90-180	0	0.00	0.00
0-180	1054	100.00	100.00

** EFFICACY: 24.6 LUMENS/WATT **

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 0.6
SC: 0.6

ANGLE	ALONG	45	ACROSS
45	2684	2627	2716
55	1593	1661	1695
65	1085	1192	1211
75	636	667	714
85	135	0	0

CERTIFIED BY:

Roger Young
PREPARED FOR:

DATE:
JUN 24, 2008

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	2246	2246	2246	2246	2246	2246	
2.5	2197	2198	2225	2238	2232	2219	
5.0	2126	2123	2145	2139	2148	2136	197
7.5	2013	1991	2013	2035	2040	2016	
10.0	1830	1820	1837	1861	1854	1840	
12.5	1651	1628	1639	1649	1654	1642	
15.0	1413	1391	1393	1416	1425	1405	382
17.5	1193	1161	1174	1184	1200	1179	
20.0	965	946	945	942	964	949	
22.5	772	749	744	744	756	750	
25.0	592	575	570	572	584	576	266
27.5	444	429	425	423	434	429	
30.0	333	317	313	311	321	317	
32.5	240	229	227	227	232	230	
35.0	177	171	168	168	171	170	112
37.5	131	125	124	124	127	125	
40.0	98	95	95	96	97	96	
42.5	75	75	74	74	76	75	
45.0	61	59	60	61	62	60	49
47.5	50	49	50	50	51	50	
50.0	42	41	42	42	43	42	
52.5	35	35	36	36	37	36	
55.0	30	30	31	30	31	30	28
57.5	26	25	26	26	27	26	
60.0	22	21	22	23	23	22	
62.5	18	19	19	19	20	19	
65.0	15	15	16	16	17	16	16
67.5	13	13	13	13	13	13	
70.0	10	10	11	10	11	10	
72.5	7	8	9	7	9	8	
75.0	5	5	6	6	6	6	6
77.5	3	4	4	3	4	4	
80.0	2	2	2	2	2	2	
82.5	0	1	1	1	0	1	
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	69367(20245)	69367(20245)	69367(20245)	69367(20245)	69367(20245)	
30	11864(3462)	11321(3304)	11187(3265)	11130(3248)	11434(3337)	
40	3967(1158)	3824(1116)	3817(1114)	3886(1134)	3926(1146)	
45	2684(783)	2587(755)	2627(766)	2653(774)	2716(792)	
50	2001(584)	1990(580)	2013(587)	2043(596)	2056(600)	
55	1593(464)	1609(469)	1661(484)	1632(476)	1695(494)	
60	1349(393)	1330(388)	1381(403)	1423(415)	1396(407)	
65	1085(316)	1133(330)	1192(347)	1163(339)	1211(353)	
70	871(254)	897(261)	989(288)	930(271)	1009(294)	
75	636(185)	593(173)	667(194)	714(208)	714(208)	
80	338(98)	408(119)	385(112)	407(118)	338(98)	
85	135(39)	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				0			
	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	70	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	.061	.06	1.021	.021	.021	.02	1.000		
	1	1.171	.141	.121	.10	1.151	.121	.101	.08	1.121	.101	.081	.07	1.061	.051	.03	1.021	.011	.00	0.990	.000	.00	.00	0.990	.000	.00	.00	
	2	1.121	.081	.051	.02	1.101	.071	.031	.01	1.081	.051	.020	.99	1.020	.990	.97	0.990	.970	.95	0.960	.950	.93	.91	0.960	.950	.93	.91	
	3	1.081	.030	.990	.95	1.061	.010	.980	.94	1.051	.000	.970	.94	0.980	.950	.92	0.950	.930	.91	0.930	.910	.90	.88	0.930	.910	.90	.88	
	4	1.040	.980	.930	.90	1.030	.970	.930	.90	1.010	.960	.920	.89	0.940	.910	.88	0.920	.890	.87	0.900	.880	.86	.84	0.900	.880	.86	.84	
	5	1.010	.940	.890	.85	0.990	.930	.880	.85	0.980	.920	.880	.85	0.900	.870	.84	0.890	.850	.83	0.870	.850	.81	.79	0.870	.850	.81	.79	
	6	0.970	.900	.850	.82	0.960	.890	.850	.81	0.950	.880	.840	.81	0.870	.830	.81	0.860	.830	.80	0.850	.800	.77	.75	0.850	.800	.77	.75	
	7	0.930	.860	.810	.78	0.920	.850	.810	.78	0.910	.850	.810	.77	0.840	.800	.77	0.820	.790	.76	0.820	.790	.76	.75	0.820	.790	.76	.75	
	8	0.910	.830	.780	.75	0.900	.820	.780	.75	0.890	.810	.770	.74	0.810	.770	.74	0.800	.760	.74	0.790	.760	.73	.71	0.790	.760	.73	.71	
	9	0.870	.800	.750	.71	0.860	.790	.750	.71	0.860	.790	.740	.71	0.780	.740	.71	0.770	.730	.71	0.760	.730	.71	.69	0.760	.730	.71	.69	
	10	0.850	.770	.720	.69	0.840	.760	.720	.69	0.830	.760	.720	.69	0.750	.710	.69	0.750	.710	.68	0.740	.700	.68	.67	0.740	.700	.68	.67	

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.