

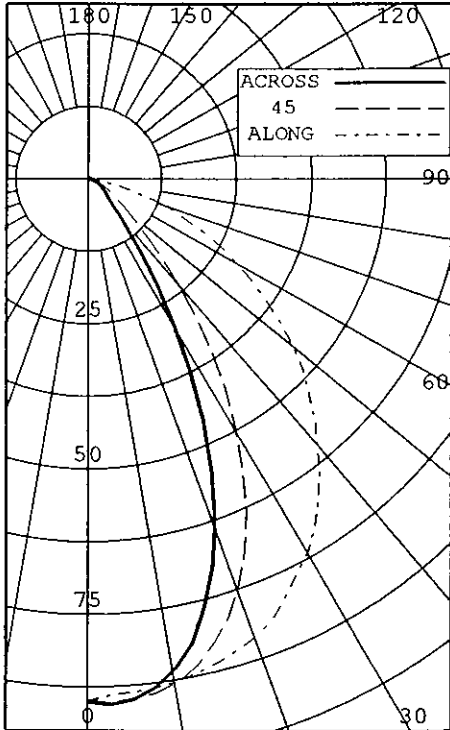


### CERTIFIED TEST REPORT No. 24630

DDP - 24" LED COVEWASH LUMINAIRE, CAT# CWi-24-60-30K  
WITH LINEAR PRISMATIC PLASTIC LENS OVER LEDS AND CLEAR PLASTIC TUBE LENS  
30 LEDS. LUMINAIRE LUMEN OUTPUT = 122 LMS.  
FIXTURE OPERATING AT 24 VDC AND 6.9 WATTS

#### INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

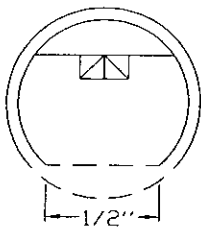
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	90	90	90	90	90	
5	89	89	90	90	90	9
10	88	88	88	86	86	
15	86	85	83	78	76	23
20	83	82	74	66	62	
25	79	76	63	50	46	29
30	74	68	50	34	29	
35	67	58	36	20	16	24
40	60	48	24	11	8	
45	52	38	14	6	5	17
50	45	29	9	4	4	
55	37	21	5	3	3	11
60	29	15	4	3	2	
65	21	10	3	2	2	6
70	14	6	2	1	1	
75	8	3	1	1	1	3
80	3	2	1	1	1	
85	1	0	0	0	0	1
90	0	0	0	0	0	



#### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	59	48.99	48.99
0-40	84	68.89	68.89
0-60	112	91.97	91.97
0-90	122	100.00	100.00
40-90	38	31.11	31.11
60-90	9	8.03	8.03
90-180	0	0.00	0.00
0-180	122	100.00	100.00

\*\* EFFICACY: 17.6 LUMENS/WATT \*\*



LUMINANCE SUMMARY CD./SQ.M.

S/MH: 0.8  
SC (ALONG): 1.2, SC (ACROSS): 0.8

ANGLE	ALONG	45	ACROSS
45	11316	3104	1074
55	9742	1462	777
65	7684	1069	621
75	4647	776	574
85	1396	630	677

CERTIFIED BY: *[Signature]* DATE: DEC 19, 2008  
 PREPARED FOR: DDP  
 EL SEGUNDO, CA.

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

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AVERAGE LUMINANCE DATA

ANGLE	CD./SQ.M.		(FOOTLAMBERTS)			
	ALONG	22.5	45	67.5	ACROSS	
0	13769( 4018)	13769( 4018)	13769( 4018)	13769( 4018)	13769( 4018)	
30	13057( 3811)	12058( 3519)	8841( 2580)	6033( 1761)	5169( 1508)	
40	11933( 3483)	9708( 2833)	4709( 1374)	2124( 619)	1665( 486)	
45	11316( 3302)	8323( 2429)	3104( 905)	1375( 401)	1074( 313)	
50	10662( 3112)	6917( 2019)	2086( 608)	987( 288)	899( 262)	
55	9742( 2843)	5629( 1643)	1462( 426)	865( 252)	777( 226)	
60	8774( 2561)	4518( 1318)	1185( 346)	793( 231)	718( 209)	
65	7684( 2242)	3492( 1019)	1069( 312)	669( 195)	621( 181)	
70	6440( 1879)	2666( 778)	945( 276)	665( 194)	616( 180)	
75	4647( 1356)	2013( 587)	776( 226)	589( 172)	574( 167)	
80	2873( 838)	1418( 414)	832( 242)	655( 191)	619( 180)	
85	1396( 407)	840( 245)	630( 183)	327( 95)	677( 197)	

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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	90	90	90	90	90	90	
2.5	89	89	90	90	91	90	
5.0	89	89	90	90	90	90	9
7.5	88	89	89	89	88	89	
10.0	88	88	88	86	86	87	
12.5	87	87	86	83	82	85	
15.0	86	85	83	78	76	82	23
17.5	85	84	79	73	70	78	
20.0	83	82	74	66	62	74	
22.5	82	79	69	58	54	68	
25.0	79	76	63	50	46	63	29
27.5	76	72	56	42	37	57	
30.0	74	68	50	34	29	51	
32.5	71	63	43	26	22	45	
35.0	67	58	36	20	16	39	24
37.5	64	53	30	14	11	34	
40.0	60	48	24	11	8	29	
42.5	56	43	18	8	6	25	
45.0	52	38	14	6	5	22	17
47.5	49	34	11	5	4	19	
50.0	45	29	9	4	4	17	
52.5	41	25	7	4	3	14	
55.0	37	21	5	3	3	12	11
57.5	33	18	5	3	3	11	
60.0	29	15	4	3	2	9	
62.5	25	12	3	2	2	8	
65.0	21	10	3	2	2	6	6
67.5	17	7	2	2	2	5	
70.0	14	6	2	1	1	4	
72.5	11	4	2	1	1	3	
75.0	8	3	1	1	1	3	3
77.5	5	2	1	1	1	2	
80.0	3	2	1	1	1	1	
82.5	2	1	1	1	0	1	
85.0	1	0	0	0	0	0	1
87.5	0	0	0	0	0	0	
90.0	0	0	0	0	0	0	

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FIXTURE OPERATING AT 24 VDC AND 6.9 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	0			
RCR	0	1.221	.221	.221	.22	1.191	.191	.191	.19	1.171	.171	.171	.17	1.111	.111	.111	.11	1.071	.071	.07	1.021	.021	.02	1.00	
	1	1.151	.121	.091	.06	1.131	.101	.071	.04	1.101	.081	.051	.02	1.031	.010	.99	0.990	.980	.96	0.960	.950	.93	0.92		
	2	1.081	.030	.980	.93	1.061	.010	.960	.92	1.040	.990	.950	.91	0.950	.920	.89	0.930	.900	.87	0.900	.870	.85	0.84		
	3	1.020	.940	.880	.83	1.000	.920	.870	.82	0.980	.910	.860	.82	0.890	.840	.80	0.860	.820	.79	0.840	.810	.78	0.76		
	4	0.960	.870	.800	.75	0.940	.860	.800	.75	0.920	.850	.790	.74	0.820	.770	.73	0.800	.760	.73	0.780	.750	.72	0.70		
	5	0.910	.810	.730	.68	0.890	.790	.730	.68	0.870	.780	.720	.67	0.760	.710	.67	0.750	.700	.66	0.730	.690	.66	0.64		
	6	0.850	.750	.670	.63	0.840	.740	.670	.62	0.820	.730	.660	.62	0.710	.660	.61	0.700	.650	.61	0.680	.640	.60	0.59		
	7	0.800	.690	.620	.57	0.780	.680	.610	.57	0.770	.670	.610	.56	0.660	.600	.56	0.650	.590	.56	0.640	.590	.55	0.54		
	8	0.760	.640	.570	.52	0.740	.630	.570	.52	0.730	.620	.560	.52	0.610	.560	.52	0.600	.550	.51	0.590	.550	.51	0.50		
	9	0.710	.600	.530	.48	0.700	.590	.520	.48	0.690	.580	.520	.48	0.570	.510	.47	0.560	.510	.47	0.550	.510	.47	0.45		
	10	0.670	.560	.480	.44	0.660	.550	.480	.44	0.650	.550	.480	.44	0.540	.480	.44	0.530	.470	.44	0.520	.470	.43	0.42		

LUMINAIRE INPUT WATTS = 6.9

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.