

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799642

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359050 6LBMDDWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

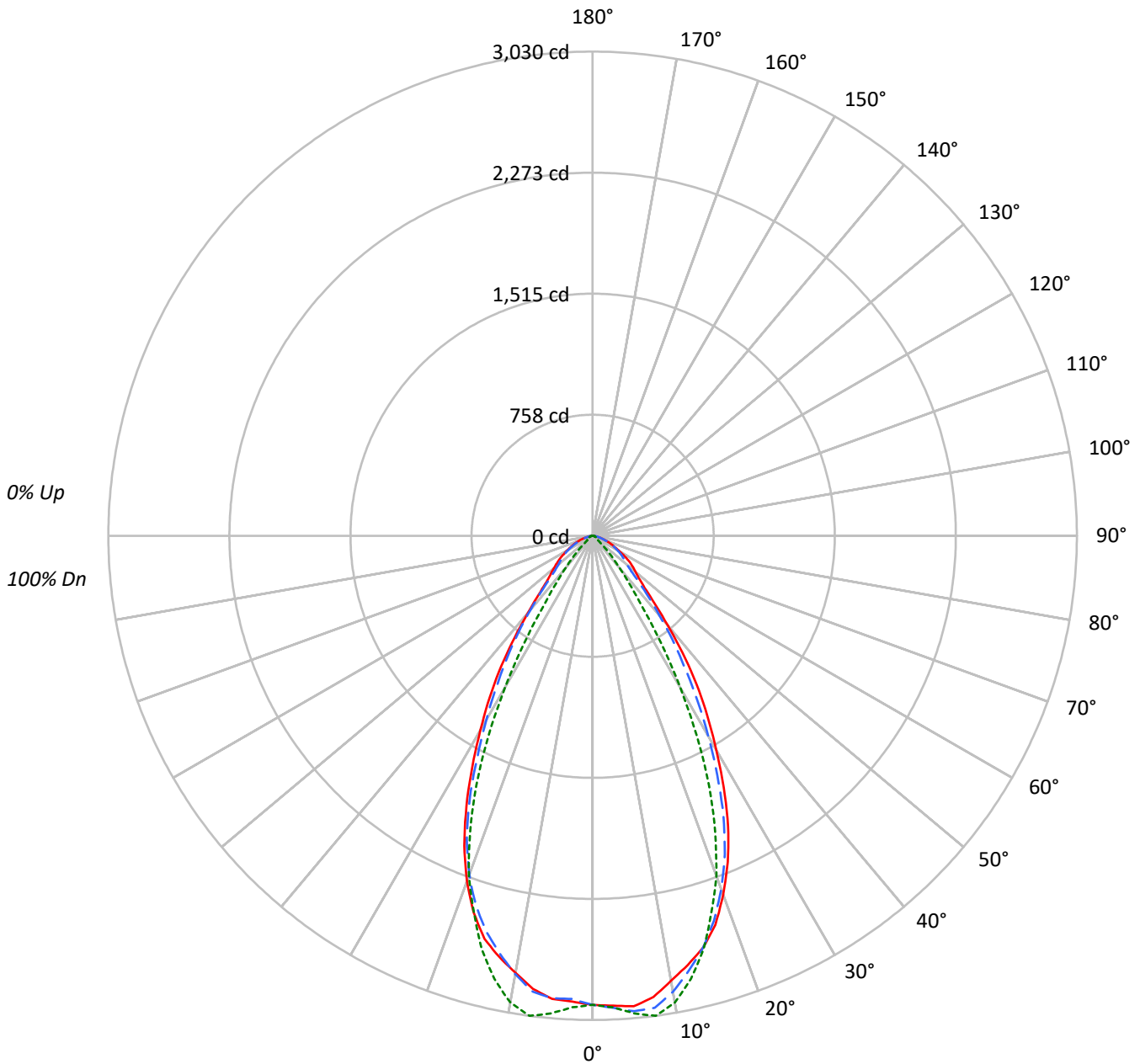
Lumens per Lamp: N/A
Luminaire Lumens: 2989.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	160952	160952	160952
5°	162634	165100	160087
10°	157367	165099	154623
15°	151459	152050	148236
20°	139394	132078	134167
25°	121313	104153	113002
30°	97838	69201	88767
35°	75857	35677	66662
40°	52048	18492	44884
45°	35663	9265	31492
50°	29679	3949	27001
55°	26694	3422	24123
60°	21117	3278	20141
65°	17434	2906	17239
70°	14121	2629	14121
75°	10442	2838	11078
80°	6125	2368	6598
85°	4717	2830	4717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.5	9.4
10°-20°	733.5	24.5
20°-30°	837.3	28.0
30°-40°	555.3	18.6
40°-50°	267.8	9.0
50°-60°	164.7	5.5
60°-70°	99.7	3.3
70°-80°	41.9	1.4
80°-90°	9.3	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1850.3	61.9
0°-40°	2405.6	80.5
0°-60°	2838.1	95.0
0°-90°	2989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2989.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2936	2936	2936	2936	2936	
5°	2955	2987	3000	2905	2909	278
15°	2669	2669	2679	2566	2612	744
25°	2006	1938	1722	1822	1868	909
35°	1134	999	533	932	996	701
45°	460	403	120	376	406	375
55°	279	227	36	227	252	246
65°	134	128	22	121	133	135
75°	49	49	13	46	52	53
85°	8	10	4	8	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2936.0	2936.0	2936.0	2936.0	2936.0	2936.0	2936.0	2936.0	2936.0
2.5°	2943.5	2947.9	2956.9	2958.4	2953.9	2925.5	2901.6	2910.6	2918.1
5°	2955.4	2964.4	2986.8	3007.7	3000.2	2952.4	2904.6	2903.1	2909.1
7.5°	2912.1	2933.0	2979.3	3031.6	3030.1	2947.9	2877.7	2859.8	2859.8
10°	2827.0	2846.4	2897.2	2967.3	2965.9	2862.8	2785.2	2776.2	2777.7
12.5°	2750.8	2759.8	2785.2	2840.4	2840.4	2738.9	2679.1	2688.1	2700.0
15°	2668.7	2674.6	2668.7	2686.6	2679.1	2595.5	2565.6	2594.0	2611.9
17.5°	2552.2	2555.2	2523.8	2499.9	2471.5	2419.3	2426.7	2468.6	2473.0
20°	2389.4	2408.8	2352.1	2290.8	2264.0	2214.7	2256.5	2302.8	2299.8
22.5°	2210.2	2232.6	2159.4	2057.9	2002.6	1983.2	2057.9	2099.7	2098.2
25°	2005.6	2022.0	1938.4	1796.5	1721.9	1718.9	1821.9	1865.2	1868.2
27.5°	1775.6	1781.6	1687.5	1502.3	1409.8	1432.2	1562.1	1621.8	1629.3
30°	1545.6	1542.7	1445.6	1215.6	1093.2	1154.4	1329.1	1394.8	1402.3
32.5°	1335.1	1326.1	1215.6	940.8	794.5	885.6	1115.6	1184.3	1196.2
35°	1133.5	1118.5	999.1	695.9	533.1	669.0	931.9	991.6	996.1
37.5°	922.9	915.4	821.4	521.2	371.9	507.7	760.1	803.4	799.0
40°	727.3	727.3	649.6	386.8	258.4	377.8	601.8	640.7	627.2
42.5°	570.5	577.9	512.2	285.2	183.7	280.8	476.4	512.2	497.3
45°	460.0	460.0	403.2	212.1	119.5	209.1	376.3	409.2	406.2
47.5°	389.8	383.8	327.1	155.3	65.7	156.8	316.6	356.9	355.4
50°	348.0	339.0	280.8	122.5	46.3	129.9	277.8	315.1	316.6
52.5°	315.1	301.7	252.4	109.0	40.3	113.5	252.4	282.2	282.2
55°	279.3	271.8	227.0	97.1	35.8	101.5	227.0	253.9	252.4
57.5°	236.0	234.5	203.1	88.1	32.9	89.6	203.1	219.5	213.6
60°	192.6	198.6	176.2	79.1	29.9	80.6	173.2	186.7	183.7
62.5°	161.3	168.8	153.8	70.2	25.4	71.7	146.4	159.8	156.8
65°	134.4	140.4	128.4	59.7	22.4	59.7	121.0	132.9	132.9
67.5°	110.5	115.0	106.0	49.3	19.4	49.3	98.6	109.0	110.5
70°	88.1	91.1	83.6	38.8	16.4	40.3	77.7	88.1	88.1
72.5°	68.7	70.2	65.7	31.4	14.9	31.4	59.7	68.7	68.7
75°	49.3	52.3	49.3	23.9	13.4	23.9	46.3	50.8	52.3
77.5°	28.4	35.8	35.8	19.4	10.5	17.9	32.9	34.3	34.3
80°	19.4	22.4	25.4	13.4	7.5	13.4	20.9	22.4	20.9
82.5°	13.4	14.9	14.9	9.0	6.0	9.0	13.4	14.9	13.4
85°	7.5	10.5	10.5	7.5	4.5	6.0	7.5	9.0	7.5
87.5°	4.5	6.0	7.5	6.0	4.5	4.5	4.5	4.5	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)