

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: P799633

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799633
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 EU6359040 6LBMDDWWMH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

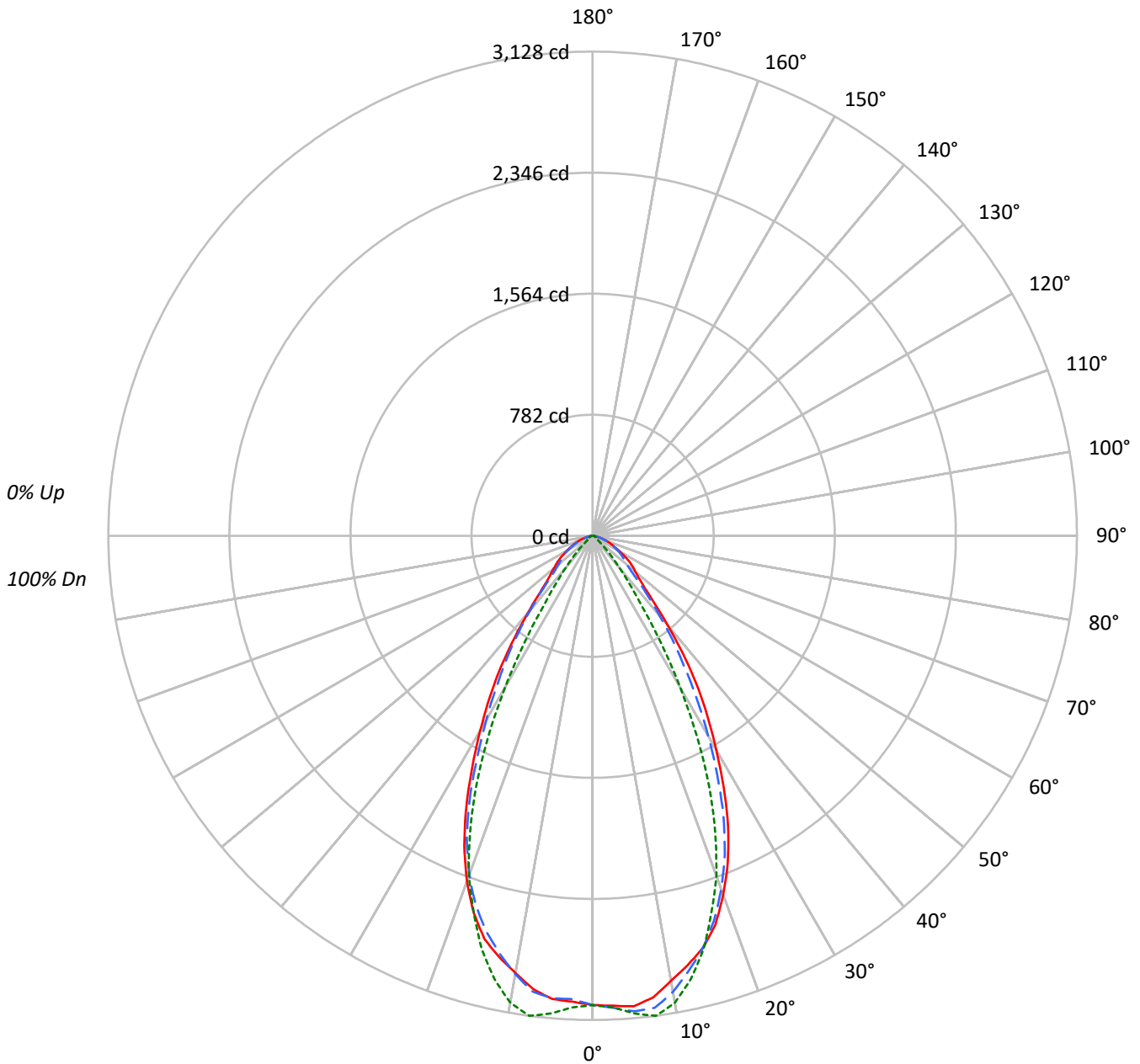
Lumens per Lamp: N/A
Luminaire Lumens: 3086.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799633

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWWMH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	166176	166176	166176
5°	167912	170460	165281
10°	162472	170454	159639
15°	156374	156987	153049
20°	143921	136360	138519
25°	125251	107528	116668
30°	101016	71441	91647
35°	78320	36834	68824
40°	53736	19086	46344
45°	36818	9559	32515
50°	30634	4077	27880
55°	27555	3536	24907
60°	21807	3377	20788
65°	18005	2996	17797
70°	14586	2725	14586
75°	10781	2944	11438
80°	6314	2431	6819
85°	4843	2893	4843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.5	9.4
10°-20°	757.3	24.5
20°-30°	864.5	28.0
30°-40°	573.3	18.6
40°-50°	276.5	9.0
50°-60°	170.1	5.5
60°-70°	102.9	3.3
70°-80°	43.3	1.4
80°-90°	9.6	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°	1910.3	61.9
0°-40°	2483.6	80.5
0°-60°	2930.2	95.0
0°-90°	3086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3086.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3031	3031	3031	3031	3031	
5°	3051	3084	3098	2999	3004	287
15°	2755	2755	2766	2649	2697	768
25°	2071	2001	1778	1881	1929	939
35°	1170	1032	550	962	1028	724
45°	475	416	123	388	419	387
55°	288	234	37	234	261	253
65°	139	133	23	125	137	139
75°	51	51	14	48	54	54
85°	8	11	5	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°	3031.3	3031.3	3031.3	3031.3	3031.3	3031.3	3031.3	3031.3	3031.3
2.5°	3039.0	3043.6	3052.9	3054.4	3049.8	3020.5	2995.8	3005.1	3012.8
5°	3051.3	3060.6	3083.7	3105.3	3097.6	3048.2	2998.9	2997.3	3003.5
7.5°	3006.6	3028.2	3076.0	3129.9	3128.4	3043.6	2971.1	2952.6	2952.6
10°	2918.7	2938.8	2991.2	3063.6	3062.1	2955.7	2875.5	2866.3	2867.8
12.5°	2840.1	2849.3	2875.5	2932.6	2932.6	2827.7	2766.1	2775.3	2787.7
15°	2755.3	2761.4	2755.3	2773.8	2766.1	2679.7	2648.9	2678.2	2696.7
17.5°	2635.0	2638.1	2605.7	2581.0	2551.8	2497.8	2505.5	2548.7	2553.3
20°	2467.0	2487.0	2428.4	2365.2	2337.4	2286.6	2329.7	2377.5	2374.4
22.5°	2281.9	2305.1	2229.5	2124.7	2067.6	2047.6	2124.7	2167.8	2166.3
25°	2070.7	2087.7	2001.3	1854.8	1777.7	1774.7	1881.1	1925.8	1928.8
27.5°	1833.3	1839.4	1742.3	1551.1	1455.5	1478.6	1612.8	1674.4	1682.2
30°	1595.8	1592.7	1492.5	1255.1	1128.6	1191.8	1372.2	1440.1	1447.8
32.5°	1378.4	1369.2	1255.1	971.4	820.3	914.3	1151.8	1222.7	1235.0
35°	1170.3	1154.8	1031.5	718.5	550.4	690.7	962.1	1023.8	1028.4
37.5°	952.9	945.2	848.0	538.1	383.9	524.2	784.8	829.5	824.9
40°	750.9	750.9	670.7	399.3	266.7	390.1	621.4	661.5	647.6
42.5°	589.0	596.7	528.9	294.5	189.6	289.9	491.8	528.9	513.4
45°	474.9	474.9	416.3	218.9	123.3	215.9	388.5	422.5	419.4
47.5°	402.4	396.3	337.7	160.4	67.8	161.9	326.9	368.5	367.0
50°	359.2	350.0	289.9	126.4	47.8	134.1	286.8	325.3	326.9
52.5°	325.3	311.5	260.6	112.6	41.6	117.2	260.6	291.4	291.4
55°	288.3	280.6	234.4	100.2	37.0	104.8	234.4	262.1	260.6
57.5°	243.6	242.1	209.7	91.0	33.9	92.5	209.7	226.7	220.5
60°	198.9	205.1	181.9	81.7	30.8	83.3	178.9	192.7	189.6
62.5°	166.5	174.2	158.8	72.5	26.2	74.0	151.1	165.0	161.9
65°	138.8	144.9	132.6	61.7	23.1	61.7	124.9	137.2	137.2
67.5°	114.1	118.7	109.5	50.9	20.0	50.9	101.8	112.6	114.1
70°	91.0	94.1	86.3	40.1	17.0	41.6	80.2	91.0	91.0
72.5°	70.9	72.5	67.8	32.4	15.4	32.4	61.7	70.9	70.9
75°	50.9	54.0	50.9	24.7	13.9	24.7	47.8	52.4	54.0
77.5°	29.3	37.0	37.0	20.0	10.8	18.5	33.9	35.5	35.5
80°	20.0	23.1	26.2	13.9	7.7	13.9	21.6	23.1	21.6
82.5°	13.9	15.4	15.4	9.3	6.2	9.3	13.9	15.4	13.9
85°	7.7	10.8	10.8	7.7	4.6	6.2	7.7	9.3	7.7
87.5°	4.6	6.2	7.7	6.2	4.6	4.6	4.6	4.6	3.1
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)