

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: P799608

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799608
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 EU6359030 6LBMDDWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

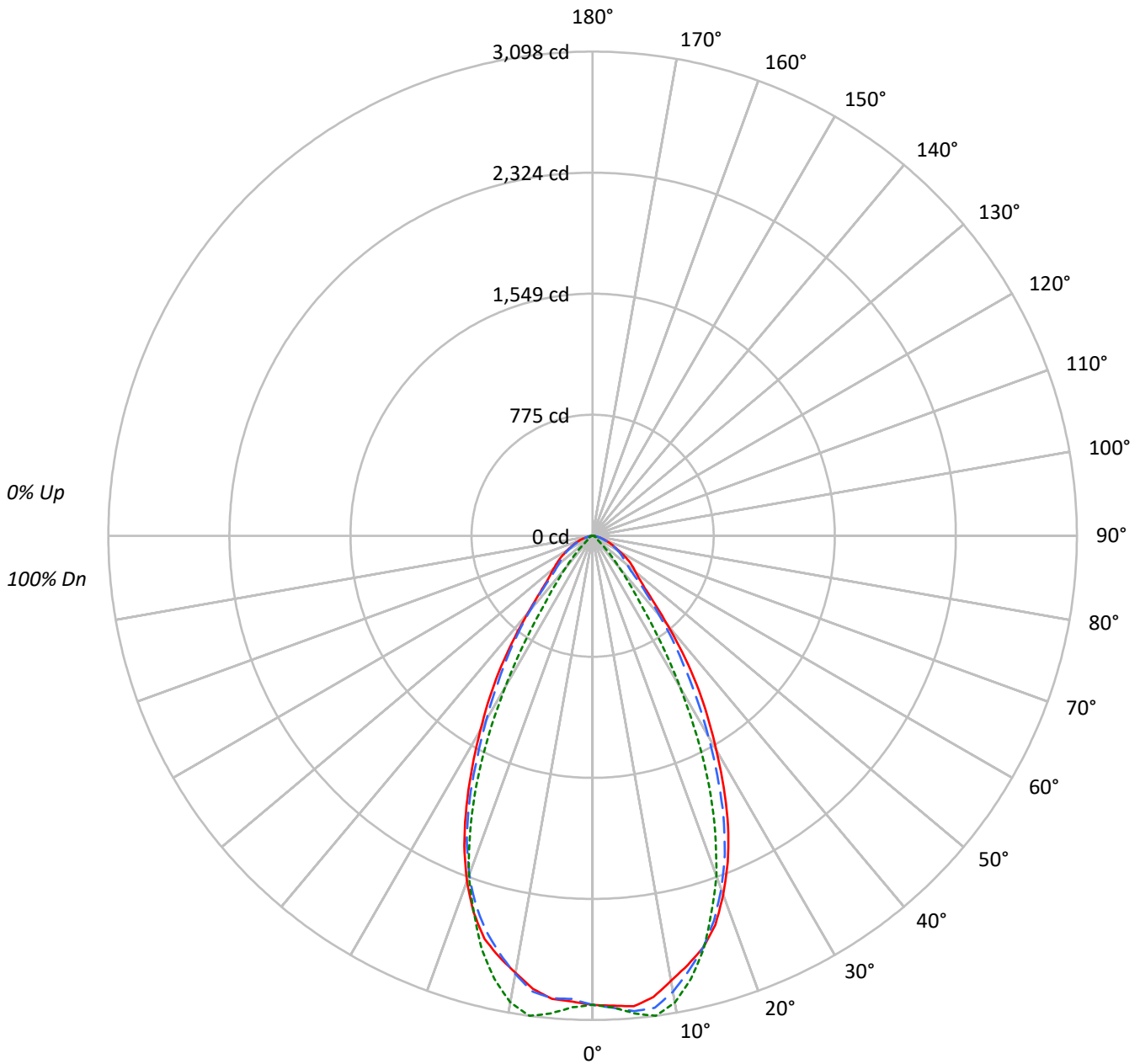
Lumens per Lamp: N/A
Luminaire Lumens: 3056.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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°	164559	164559	164559
5°	166277	168803	163674
10°	160891	168796	158091
15°	154853	155461	151562
20°	142521	135036	137177
25°	124035	106488	115537
30°	100034	70751	90754
35°	77557	36480	68154
40°	53214	18900	45893
45°	36461	9466	32197
50°	30344	4034	27607
55°	27287	3498	24659
60°	21599	3344	20590
65°	17823	2970	17628
70°	14442	2693	14442
75°	10675	2902	11311
80°	6251	2399	6756
85°	4780	2893	4780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.7	9.4
10°-20°	750.0	24.5
20°-30°	856.1	28.0
30°-40°	567.7	18.6
40°-50°	273.8	9.0
50°-60°	168.4	5.5
60°-70°	101.9	3.3
70°-80°	42.9	1.4
80°-90°	9.5	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°	1891.8	61.9
0°-40°	2459.5	80.5
0°-60°	2901.7	95.0
0°-90°	3056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3056.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3002	3002	3002	3002	3002	
5°	3022	3054	3068	2970	2974	284
15°	2728	2728	2739	2623	2670	760
25°	2051	1982	1760	1863	1910	930
35°	1159	1022	545	953	1018	717
45°	470	412	122	385	415	384
55°	286	232	37	232	258	251
65°	137	131	23	124	136	138
75°	50	50	14	47	53	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°	3001.8	3001.8	3001.8	3001.8	3001.8	3001.8	3001.8	3001.8	3001.8
2.5°	3009.4	3014.0	3023.2	3024.7	3020.1	2991.1	2966.7	2975.8	2983.5
5°	3021.6	3030.8	3053.7	3075.1	3067.5	3018.6	2969.7	2968.2	2974.3
7.5°	2977.4	2998.7	3046.1	3099.5	3098.0	3014.0	2942.3	2923.9	2923.9
10°	2890.3	2910.2	2962.1	3033.9	3032.3	2927.0	2847.6	2838.4	2840.0
12.5°	2812.5	2821.6	2847.6	2904.1	2904.1	2800.3	2739.2	2748.3	2760.6
15°	2728.5	2734.6	2728.5	2746.8	2739.2	2653.7	2623.1	2652.1	2670.5
17.5°	2609.4	2612.5	2580.4	2556.0	2526.9	2473.5	2481.1	2523.9	2528.5
20°	2443.0	2462.8	2404.8	2342.2	2314.7	2264.3	2307.1	2354.4	2351.4
22.5°	2259.7	2282.6	2207.8	2104.0	2047.5	2027.7	2104.0	2146.8	2145.2
25°	2050.6	2067.4	1981.9	1836.8	1760.5	1757.4	1862.8	1907.0	1910.1
27.5°	1815.4	1821.5	1725.3	1536.0	1441.4	1464.3	1597.1	1658.2	1665.8
30°	1580.3	1577.2	1478.0	1242.9	1117.7	1180.3	1358.9	1426.1	1433.7
32.5°	1365.0	1355.8	1242.9	961.9	812.3	905.4	1140.6	1210.8	1223.0
35°	1158.9	1143.6	1021.5	711.5	545.1	684.0	952.8	1013.8	1018.4
37.5°	943.6	936.0	839.8	532.9	380.2	519.1	777.2	821.4	816.9
40°	743.6	743.6	664.2	395.5	264.1	386.3	615.3	655.0	641.3
42.5°	583.3	590.9	523.7	291.6	187.8	287.0	487.1	523.7	508.4
45°	470.3	470.3	412.3	216.8	122.1	213.8	384.8	418.4	415.3
47.5°	398.5	392.4	334.4	158.8	67.2	160.3	323.7	364.9	363.4
50°	355.8	346.6	287.0	125.2	47.3	132.8	284.0	322.2	323.7
52.5°	322.2	308.4	258.0	111.5	41.2	116.0	258.0	288.6	288.6
55°	285.5	277.9	232.1	99.2	36.6	103.8	232.1	259.6	258.0
57.5°	241.2	239.7	207.7	90.1	33.6	91.6	207.7	224.4	218.3
60°	197.0	203.1	180.2	80.9	30.5	82.5	177.1	190.9	187.8
62.5°	164.9	172.5	157.3	71.8	26.0	73.3	149.6	163.4	160.3
65°	137.4	143.5	131.3	61.1	22.9	61.1	123.7	135.9	135.9
67.5°	113.0	117.6	108.4	50.4	19.8	50.4	100.8	111.5	113.0
70°	90.1	93.1	85.5	39.7	16.8	41.2	79.4	90.1	90.1
72.5°	70.2	71.8	67.2	32.1	15.3	32.1	61.1	70.2	70.2
75°	50.4	53.4	50.4	24.4	13.7	24.4	47.3	51.9	53.4
77.5°	29.0	36.6	36.6	19.8	10.7	18.3	33.6	35.1	35.1
80°	19.8	22.9	26.0	13.7	7.6	13.7	21.4	22.9	21.4
82.5°	13.7	15.3	15.3	9.2	6.1	9.2	13.7	15.3	13.7
85°	7.6	10.7	10.7	7.6	4.6	6.1	7.6	9.2	7.6
87.5°	4.6	6.1	7.6	6.1	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)