

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: P799621

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799621
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 EU6359035 6LBMDDWWMH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

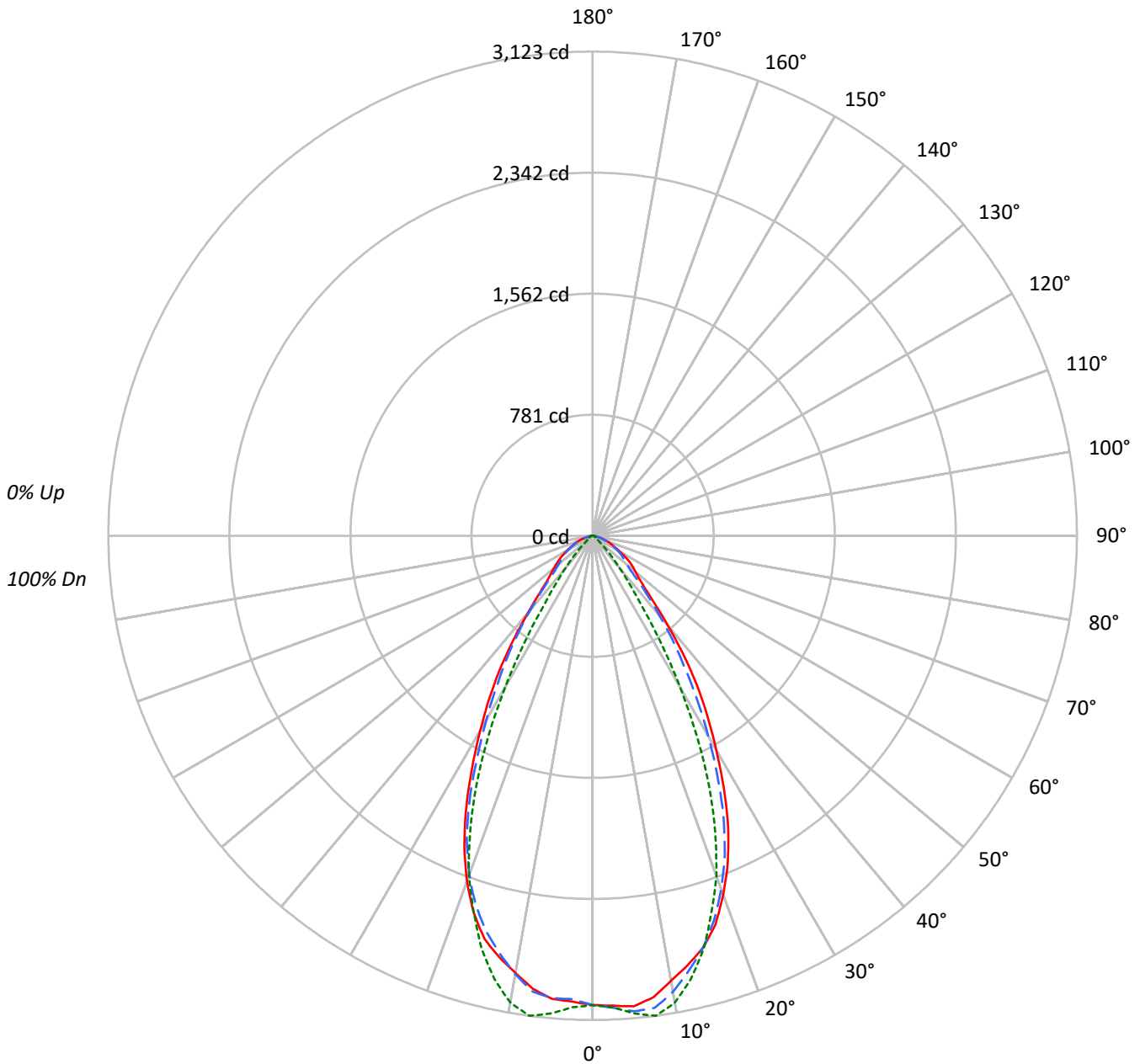
Lumens per Lamp: N/A
Luminaire Lumens: 3081.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	165908	165908	165908
5°	167642	170179	165012
10°	162210	170176	159382
15°	156119	156732	152799
20°	143687	136139	138297
25°	125046	107359	116481
30°	100851	71327	91495
35°	78193	36774	68710
40°	53651	19057	46265
45°	36756	9544	32461
50°	30592	4068	27829
55°	27516	3527	24859
60°	21775	3377	20755
65°	17966	2996	17771
70°	14554	2709	14554
75°	10760	2944	11416
80°	6314	2431	6819
85°	4843	2893	4843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	9.4
10°-20°	756.1	24.5
20°-30°	863.1	28.0
30°-40°	572.3	18.6
40°-50°	276.1	9.0
50°-60°	169.8	5.5
60°-70°	102.8	3.3
70°-80°	43.2	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°	1907.2	61.9
0°-40°	2479.6	80.5
0°-60°	2925.5	95.0
0°-90°	3081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3081.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3026	3026	3026	3026	3026	
5°	3046	3079	3092	2994	2999	286
15°	2751	2751	2762	2645	2692	767
25°	2067	1998	1775	1878	1926	937
35°	1168	1030	550	961	1027	723
45°	474	416	123	388	419	387
55°	288	234	37	234	260	253
65°	138	132	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°	3026.4	3026.4	3026.4	3026.4	3026.4	3026.4	3026.4	3026.4	3026.4
2.5°	3034.1	3038.7	3047.9	3049.4	3044.8	3015.6	2991.0	3000.2	3007.9
5°	3046.4	3055.6	3078.7	3100.2	3092.5	3043.3	2994.0	2992.5	2998.6
7.5°	3001.7	3023.3	3071.0	3124.9	3123.3	3038.7	2966.3	2947.8	2947.8
10°	2914.0	2934.0	2986.3	3058.7	3057.1	2950.9	2870.9	2861.6	2863.2
12.5°	2835.5	2844.7	2870.9	2927.8	2927.8	2823.2	2761.6	2770.8	2783.1
15°	2750.8	2757.0	2750.8	2769.3	2761.6	2675.4	2644.6	2673.8	2692.3
17.5°	2630.7	2633.8	2601.5	2576.9	2547.6	2493.7	2501.4	2544.5	2549.2
20°	2463.0	2483.0	2424.5	2361.4	2333.6	2282.9	2326.0	2373.7	2370.6
22.5°	2278.2	2301.3	2225.9	2121.2	2064.3	2044.3	2121.2	2164.3	2162.8
25°	2067.3	2084.3	1998.1	1851.8	1774.9	1771.8	1878.0	1922.6	1925.7
27.5°	1830.3	1836.4	1739.5	1548.6	1453.1	1476.2	1610.2	1671.7	1679.4
30°	1593.2	1590.1	1490.1	1253.0	1126.8	1189.9	1370.0	1437.7	1445.4
32.5°	1376.2	1366.9	1253.0	969.8	818.9	912.8	1149.9	1220.7	1233.0
35°	1168.4	1153.0	1029.8	717.3	549.5	689.6	960.6	1022.1	1026.7
37.5°	951.3	943.6	846.6	537.2	383.3	523.4	783.5	828.2	823.6
40°	749.7	749.7	669.6	398.7	266.3	389.5	620.4	660.4	646.5
42.5°	588.0	595.7	528.0	294.0	189.3	289.4	491.1	528.0	512.6
45°	474.1	474.1	415.6	218.6	123.1	215.5	387.9	421.8	418.7
47.5°	401.8	395.6	337.1	160.1	67.7	161.6	326.3	367.9	366.4
50°	358.7	349.4	289.4	126.2	47.7	133.9	286.3	324.8	326.3
52.5°	324.8	310.9	260.1	112.4	41.6	117.0	260.1	290.9	290.9
55°	287.9	280.2	234.0	100.1	36.9	104.7	234.0	261.7	260.1
57.5°	243.2	241.7	209.4	90.8	33.9	92.4	209.4	226.3	220.1
60°	198.6	204.7	181.6	81.6	30.8	83.1	178.6	192.4	189.3
62.5°	166.2	173.9	158.6	72.3	26.2	73.9	150.9	164.7	161.6
65°	138.5	144.7	132.4	61.6	23.1	61.6	124.7	137.0	137.0
67.5°	113.9	118.5	109.3	50.8	20.0	50.8	101.6	112.4	113.9
70°	90.8	93.9	86.2	40.0	16.9	41.6	80.0	90.8	90.8
72.5°	70.8	72.3	67.7	32.3	15.4	32.3	61.6	70.8	70.8
75°	50.8	53.9	50.8	24.6	13.9	24.6	47.7	52.3	53.9
77.5°	29.2	36.9	36.9	20.0	10.8	18.5	33.9	35.4	35.4
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	9.2	6.2	9.2	13.9	15.4	13.9
85°	7.7	10.8	10.8	7.7	4.6	6.2	7.7	9.2	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)