

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: P799597

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799597
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 EU6359027 6LBMDDWWMH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

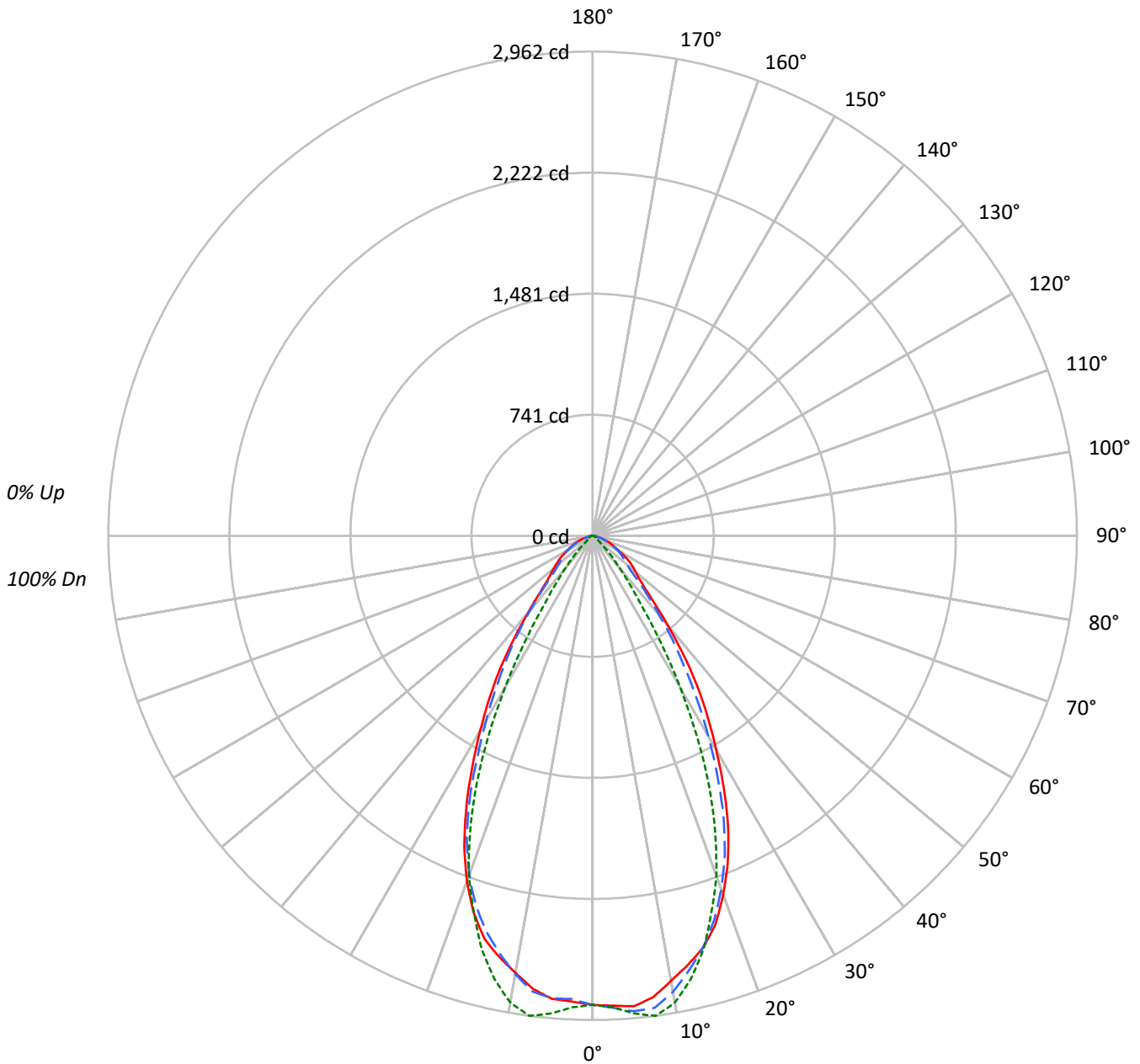
Lumens per Lamp: N/A
Luminaire Lumens: 2922.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	157345	157345	157345
5°	158991	161402	156499
10°	153838	161398	151155
15°	148066	148644	144916
20°	136267	129115	131162
25°	118598	101818	110468
30°	95648	67650	86779
35°	74157	34880	65170
40°	50881	18077	43882
45°	34864	9055	30786
50°	29014	3863	26396
55°	26092	3345	23579
60°	20645	3201	19691
65°	17045	2841	16850
70°	13800	2581	13800
75°	10209	2775	10823
80°	5998	2305	6440
85°	4592	2768	4592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	9.4
10°-20°	717.1	24.5
20°-30°	818.5	28.0
30°-40°	542.8	18.6
40°-50°	261.8	9.0
50°-60°	161.0	5.5
60°-70°	97.5	3.3
70°-80°	41.0	1.4
80°-90°	9.0	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°	1808.8	61.9
0°-40°	2351.6	80.5
0°-60°	2774.5	95.0
0°-90°	2922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2922.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2870	2870	2870	2870	2870	
5°	2889	2920	2933	2840	2844	271
15°	2609	2609	2619	2508	2553	727
25°	1961	1895	1683	1781	1826	889
35°	1108	977	521	911	974	685
45°	450	394	117	368	397	367
55°	273	222	35	222	247	240
65°	131	126	22	118	130	132
75°	48	48	13	45	51	51
85°	7	10	4	7	7	9
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°	2870.2	2870.2	2870.2	2870.2	2870.2	2870.2	2870.2	2870.2	2870.2
2.5°	2877.5	2881.9	2890.6	2892.1	2887.7	2860.0	2836.6	2845.4	2852.7
5°	2889.2	2897.9	2919.8	2940.3	2933.0	2886.2	2839.5	2838.1	2843.9
7.5°	2846.8	2867.3	2912.5	2963.6	2962.1	2881.9	2813.2	2795.7	2795.7
10°	2763.6	2782.6	2832.2	2900.8	2899.4	2798.6	2722.7	2714.0	2715.4
12.5°	2689.1	2697.9	2722.7	2776.7	2776.7	2677.5	2619.1	2627.8	2639.5
15°	2608.9	2614.7	2608.9	2626.4	2619.1	2537.3	2508.1	2535.9	2553.4
17.5°	2495.0	2497.9	2467.2	2443.9	2416.1	2365.0	2372.3	2413.2	2417.6
20°	2335.8	2354.8	2299.4	2239.5	2213.2	2165.0	2205.9	2251.2	2248.3
22.5°	2160.7	2182.6	2111.0	2011.8	1957.7	1938.8	2011.8	2052.6	2051.2
25°	1960.7	1976.7	1895.0	1756.3	1683.3	1680.4	1781.1	1823.4	1826.3
27.5°	1735.8	1741.7	1649.7	1468.7	1378.2	1400.0	1527.1	1585.5	1592.8
30°	1511.0	1508.1	1413.2	1188.4	1068.7	1128.5	1299.3	1363.6	1370.9
32.5°	1305.2	1296.4	1188.4	919.7	776.7	865.7	1090.5	1157.7	1169.4
35°	1108.1	1093.5	976.7	680.3	521.2	654.0	911.0	969.4	973.8
37.5°	902.2	894.9	802.9	509.5	363.5	496.4	743.1	785.4	781.0
40°	711.0	711.0	635.1	378.1	252.6	369.4	588.3	626.3	613.2
42.5°	557.7	565.0	500.7	278.8	179.6	274.5	465.7	500.7	486.1
45°	449.7	449.7	394.2	207.3	116.8	204.4	367.9	400.0	397.1
47.5°	381.0	375.2	319.7	151.8	64.2	153.3	309.5	348.9	347.5
50°	340.2	331.4	274.5	119.7	45.3	127.0	271.5	308.0	309.5
52.5°	308.0	294.9	246.7	106.6	39.4	111.0	246.7	275.9	275.9
55°	273.0	265.7	221.9	94.9	35.0	99.3	221.9	248.2	246.7
57.5°	230.7	229.2	198.5	86.1	32.1	87.6	198.5	214.6	208.8
60°	188.3	194.2	172.3	77.4	29.2	78.8	169.3	182.5	179.6
62.5°	157.7	165.0	150.4	68.6	24.8	70.1	143.1	156.2	153.3
65°	131.4	137.2	125.6	58.4	21.9	58.4	118.3	129.9	129.9
67.5°	108.0	112.4	103.7	48.2	19.0	48.2	96.4	106.6	108.0
70°	86.1	89.1	81.8	38.0	16.1	39.4	75.9	86.1	86.1
72.5°	67.2	68.6	64.2	30.7	14.6	30.7	58.4	67.2	67.2
75°	48.2	51.1	48.2	23.4	13.1	23.4	45.3	49.6	51.1
77.5°	27.7	35.0	35.0	19.0	10.2	17.5	32.1	33.6	33.6
80°	19.0	21.9	24.8	13.1	7.3	13.1	20.4	21.9	20.4
82.5°	13.1	14.6	14.6	8.8	5.8	8.8	13.1	14.6	13.1
85°	7.3	10.2	10.2	7.3	4.4	5.8	7.3	8.8	7.3
87.5°	4.4	5.8	7.3	5.8	4.4	4.4	4.4	4.4	2.9
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)