

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: P799595

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799595
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 6LBMDDWMW
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

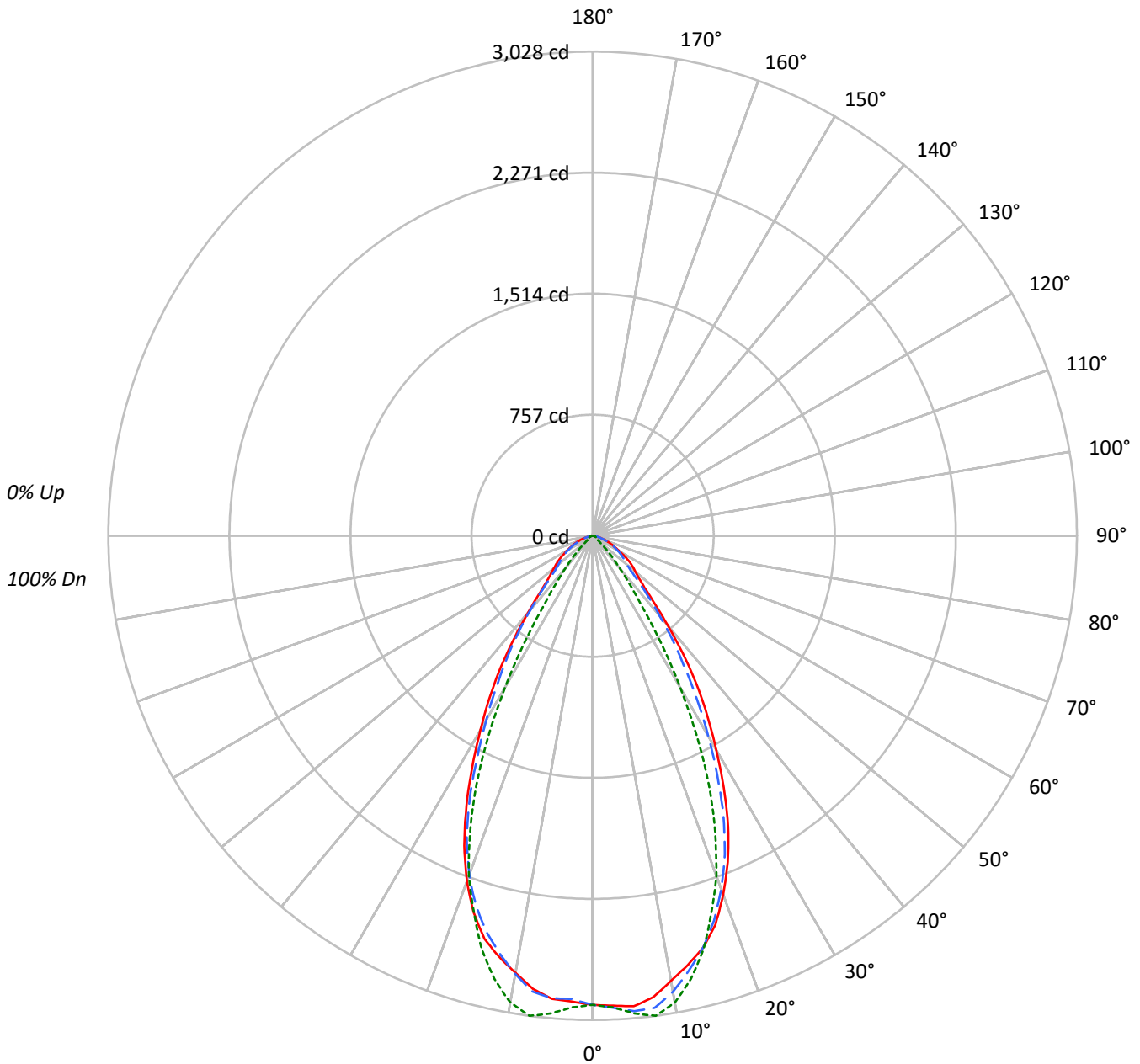
Lumens per Lamp: N/A
Luminaire Lumens: 2987.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	160842	160842	160842
5°	162524	164990	159982
10°	157262	164988	154517
15°	151357	151948	148139
20°	139300	131991	134079
25°	121235	104081	112930
30°	97775	69150	88704
35°	75804	35657	66615
40°	52012	18477	44855
45°	35639	9257	31468
50°	29654	3949	26984
55°	26675	3422	24104
60°	21106	3267	20130
65°	17421	2906	17226
70°	14121	2629	14121
75°	10421	2838	11056
80°	6125	2368	6598
85°	4717	2830	4717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.3	9.4
10°-20°	733.0	24.5
20°-30°	836.7	28.0
30°-40°	554.9	18.6
40°-50°	267.6	9.0
50°-60°	164.6	5.5
60°-70°	99.6	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°	1849.1	61.9
0°-40°	2403.9	80.5
0°-60°	2836.2	95.0
0°-90°	2987.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2987.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2934	2934	2934	2934	2934	
5°	2953	2985	2998	2903	2907	277
15°	2667	2667	2677	2564	2610	743
25°	2004	1937	1721	1821	1867	909
35°	1133	998	533	931	995	701
45°	460	403	119	376	406	375
55°	279	227	36	227	252	245
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°	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0
2.5°	2941.5	2946.0	2954.9	2956.4	2951.9	2923.6	2899.7	2908.7	2916.1
5°	2953.4	2962.4	2984.8	3005.7	2998.2	2950.4	2902.7	2901.2	2907.2
7.5°	2910.1	2931.0	2977.3	3029.5	3028.0	2946.0	2875.8	2857.9	2857.9
10°	2825.1	2844.5	2895.2	2965.4	2963.9	2860.9	2783.3	2774.3	2775.8
12.5°	2749.0	2757.9	2783.3	2838.5	2838.5	2737.0	2677.3	2686.3	2698.2
15°	2666.9	2672.9	2666.9	2684.8	2677.3	2593.8	2563.9	2592.3	2610.2
17.5°	2550.5	2553.5	2522.1	2498.2	2469.9	2417.7	2425.1	2466.9	2471.4
20°	2387.8	2407.2	2350.5	2289.3	2262.5	2213.2	2255.0	2301.3	2298.3
22.5°	2208.7	2231.1	2158.0	2056.5	2001.3	1981.9	2056.5	2098.3	2096.8
25°	2004.3	2020.7	1937.1	1795.3	1720.7	1717.7	1820.7	1864.0	1867.0
27.5°	1774.4	1780.4	1686.4	1501.3	1408.8	1431.2	1561.0	1620.7	1628.2
30°	1544.6	1541.6	1444.6	1214.8	1092.4	1153.6	1328.2	1393.9	1401.3
32.5°	1334.2	1325.2	1214.8	940.2	793.9	885.0	1114.8	1183.5	1195.4
35°	1132.7	1117.8	998.4	695.4	532.8	668.6	931.2	990.9	995.4
37.5°	922.3	914.8	820.8	520.8	371.6	507.4	759.6	802.9	798.4
40°	726.8	726.8	649.2	386.5	258.2	377.6	601.4	640.2	626.8
42.5°	570.1	577.6	511.9	285.0	183.6	280.6	476.1	511.9	497.0
45°	459.7	459.7	402.9	211.9	119.4	208.9	376.1	408.9	405.9
47.5°	389.5	383.5	326.8	155.2	65.7	156.7	316.4	356.7	355.2
50°	347.7	338.8	280.6	122.4	46.3	129.8	277.6	314.9	316.4
52.5°	314.9	301.5	252.2	108.9	40.3	113.4	252.2	282.1	282.1
55°	279.1	271.6	226.8	97.0	35.8	101.5	226.8	253.7	252.2
57.5°	235.8	234.3	203.0	88.1	32.8	89.5	203.0	219.4	213.4
60°	192.5	198.5	176.1	79.1	29.8	80.6	173.1	186.5	183.6
62.5°	161.2	168.6	153.7	70.1	25.4	71.6	146.3	159.7	156.7
65°	134.3	140.3	128.3	59.7	22.4	59.7	120.9	132.8	132.8
67.5°	110.4	114.9	106.0	49.2	19.4	49.2	98.5	108.9	110.4
70°	88.1	91.0	83.6	38.8	16.4	40.3	77.6	88.1	88.1
72.5°	68.6	70.1	65.7	31.3	14.9	31.3	59.7	68.6	68.6
75°	49.2	52.2	49.2	23.9	13.4	23.9	46.3	50.7	52.2
77.5°	28.4	35.8	35.8	19.4	10.4	17.9	32.8	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	10.4	10.4	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)