

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: P799616

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799616
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 6LBMDDWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

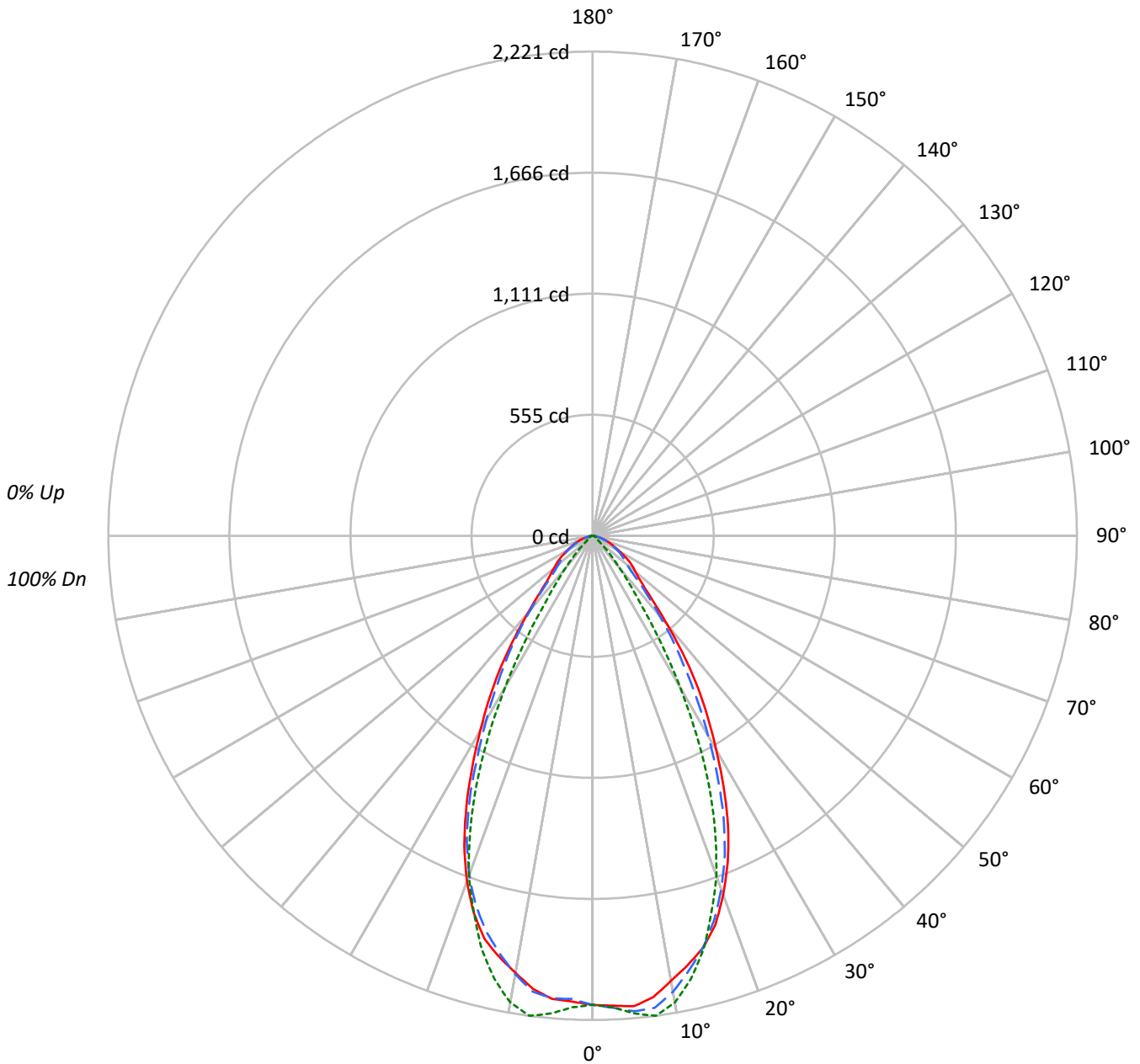
Lumens per Lamp: N/A
Luminaire Lumens: 2191.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	117978	117978	117978
5°	119216	121021	117345
10°	115351	121018	113341
15°	111022	111459	108661
20°	102180	96813	98347
25°	88929	76347	82831
30°	71720	50723	65067
35°	55606	26154	48867
40°	38150	13554	32905
45°	26142	6791	23088
50°	21756	2891	19795
55°	19564	2514	17682
60°	15481	2401	14758
65°	12777	2127	12634
70°	10354	1923	10354
75°	7646	2097	8112
80°	4483	1736	4830
85°	3459	2076	3459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	9.4
10°-20°	537.7	24.5
20°-30°	613.7	28.0
30°-40°	407.0	18.6
40°-50°	196.3	9.0
50°-60°	120.8	5.5
60°-70°	73.1	3.3
70°-80°	30.7	1.4
80°-90°	6.8	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°	1356.3	61.9
0°-40°	1763.3	80.5
0°-60°	2080.4	95.0
0°-90°	2191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2191.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2152	2152	2152	2152	2152	
5°	2166	2189	2199	2129	2132	204
15°	1956	1956	1964	1881	1915	545
25°	1470	1421	1262	1336	1369	667
35°	831	732	391	683	730	514
45°	337	296	88	276	298	275
55°	205	166	26	166	185	180
65°	98	94	16	89	97	99
75°	36	36	10	34	38	39
85°	6	8	3	6	6	7
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°	2152.1	2152.1	2152.1	2152.1	2152.1	2152.1	2152.1	2152.1	2152.1
2.5°	2157.6	2160.9	2167.5	2168.6	2165.3	2144.5	2127.0	2133.5	2139.0
5°	2166.4	2172.9	2189.4	2204.7	2199.2	2164.2	2129.2	2128.1	2132.4
7.5°	2134.6	2150.0	2183.9	2222.2	2221.1	2160.9	2109.4	2096.3	2096.3
10°	2072.2	2086.5	2123.7	2175.1	2174.0	2098.5	2041.6	2035.0	2036.1
12.5°	2016.4	2023.0	2041.6	2082.1	2082.1	2007.6	1963.9	1970.4	1979.2
15°	1956.2	1960.6	1956.2	1969.3	1963.9	1902.6	1880.7	1901.5	1914.6
17.5°	1870.8	1873.0	1850.0	1832.5	1811.7	1773.4	1778.9	1809.5	1812.8
20°	1751.5	1765.7	1724.1	1679.2	1659.5	1623.4	1654.1	1688.0	1685.8
22.5°	1620.1	1636.5	1582.9	1508.5	1468.0	1453.7	1508.5	1539.1	1538.0
25°	1470.2	1482.2	1420.9	1316.9	1262.2	1260.0	1335.5	1367.3	1369.4
27.5°	1301.6	1306.0	1237.0	1101.2	1033.4	1049.8	1145.0	1188.8	1194.3
30°	1133.0	1130.8	1059.6	891.1	801.3	846.2	974.3	1022.4	1027.9
32.5°	978.6	972.1	891.1	689.6	582.4	649.1	817.7	868.1	876.8
35°	830.9	819.9	732.3	510.1	390.8	490.4	683.1	726.9	730.2
37.5°	676.5	671.0	602.1	382.0	272.6	372.2	557.2	588.9	585.7
40°	533.1	533.1	476.2	283.5	189.4	277.0	441.2	469.6	459.8
42.5°	418.2	423.6	375.5	209.1	134.6	205.8	349.2	375.5	364.5
45°	337.2	337.2	295.6	155.4	87.6	153.3	275.9	299.9	297.8
47.5°	285.7	281.3	239.7	113.8	48.2	114.9	232.1	261.6	260.5
50°	255.1	248.5	205.8	89.8	33.9	95.2	203.6	231.0	232.1
52.5°	231.0	221.1	185.0	79.9	29.6	83.2	185.0	206.9	206.9
55°	204.7	199.2	166.4	71.2	26.3	74.4	166.4	186.1	185.0
57.5°	173.0	171.9	148.9	64.6	24.1	65.7	148.9	160.9	156.5
60°	141.2	145.6	129.2	58.0	21.9	59.1	127.0	136.8	134.6
62.5°	118.2	123.7	112.8	51.4	18.6	52.5	107.3	117.1	114.9
65°	98.5	102.9	94.1	43.8	16.4	43.8	88.7	97.4	97.4
67.5°	81.0	84.3	77.7	36.1	14.2	36.1	72.2	79.9	81.0
70°	64.6	66.8	61.3	28.5	12.0	29.6	56.9	64.6	64.6
72.5°	50.4	51.4	48.2	23.0	10.9	23.0	43.8	50.4	50.4
75°	36.1	38.3	36.1	17.5	9.9	17.5	33.9	37.2	38.3
77.5°	20.8	26.3	26.3	14.2	7.7	13.1	24.1	25.2	25.2
80°	14.2	16.4	18.6	9.9	5.5	9.9	15.3	16.4	15.3
82.5°	9.9	10.9	10.9	6.6	4.4	6.6	9.9	10.9	9.9
85°	5.5	7.7	7.7	5.5	3.3	4.4	5.5	6.6	5.5
87.5°	3.3	4.4	5.5	4.4	3.3	3.3	3.3	3.3	2.2
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)