

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: P799622

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359035 6LBMDSWGPH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

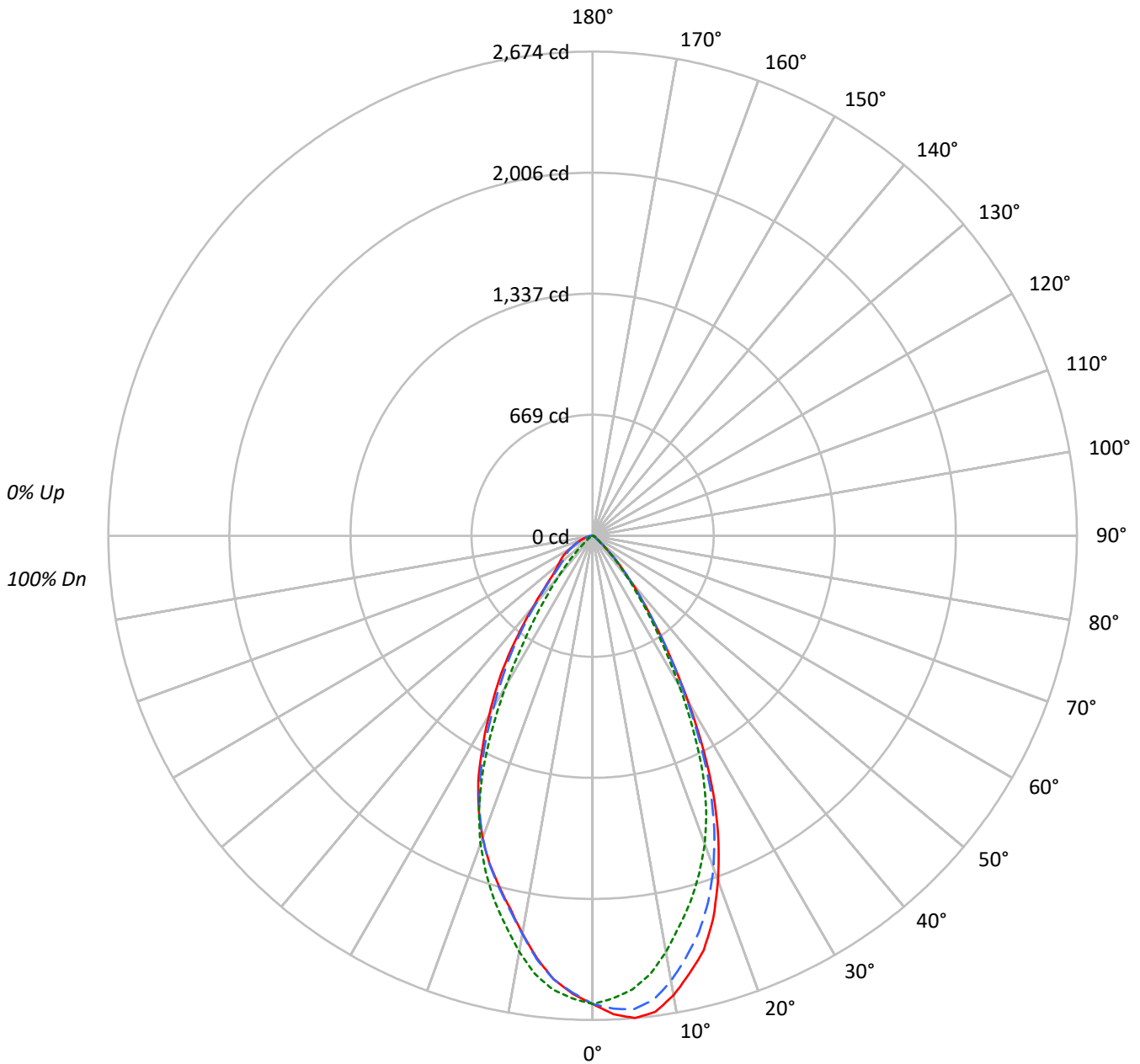
Lumens per Lamp: N/A
Luminaire Lumens: 2226.0 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799622

CATALOG NUMBER: LD6C35D010 EU6359035 6LBMDSWGPB

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	141738	141738	141738
5°	147127	138410	135279
10°	143362	129829	124118
15°	134456	118627	113502
20°	118036	105610	103592
25°	95467	86763	90338
30°	66371	60440	72302
35°	40903	37022	54562
40°	23151	20753	36239
45°	11241	10722	24731
50°	4281	4281	21023
55°	2342	2772	19402
60°	1710	2204	15898
65°	1453	1881	13023
70°	1250	1603	10723
75°	1186	1652	9214
80°	695	1421	6693
85°	692	2830	6290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.7	10.6
10°-20°	594.9	26.7
20°-30°	669.7	30.1
30°-40°	414.7	18.6
40°-50°	165.1	7.4
50°-60°	75.2	3.4
60°-70°	43.2	1.9
70°-80°	20.5	0.9
80°-90°	6.0	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°	1501.3	67.4
0°-40°	1916.0	86.1
0°-60°	2156.3	96.9
0°-90°	2226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2226.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2586	2586	2586	2586	2586	
5°	2674	2624	2515	2460	2458	252
15°	2369	2266	2090	2006	2000	655
25°	1578	1536	1434	1470	1494	709
35°	611	608	553	771	815	393
45°	145	145	138	301	319	123
55°	24	23	29	178	203	24
65°	11	10	14	99	100	11
75°	6	6	8	42	44	6
85°	1	1	4	10	10	1
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°	2585.5	2585.5	2585.5	2585.5	2585.5	2585.5	2585.5	2585.5	2585.5
2.5°	2644.6	2620.0	2614.5	2593.3	2557.6	2537.5	2525.2	2516.3	2531.9
5°	2673.6	2646.8	2624.5	2581.0	2515.2	2478.4	2460.5	2446.0	2458.3
7.5°	2652.4	2614.5	2584.4	2524.1	2440.5	2383.6	2359.0	2342.3	2353.5
10°	2575.4	2529.7	2495.1	2423.7	2332.3	2264.2	2234.1	2218.5	2229.7
12.5°	2475.0	2437.1	2384.7	2306.6	2208.5	2137.1	2114.8	2102.5	2107.0
15°	2369.1	2324.5	2266.5	2188.4	2090.2	2018.9	2005.5	1997.7	1999.9
17.5°	2215.2	2171.7	2121.5	2045.6	1955.3	1897.3	1897.3	1891.7	1895.0
20°	2023.3	1999.9	1950.8	1887.2	1810.3	1757.9	1774.6	1769.0	1775.7
22.5°	1815.9	1798.0	1755.6	1703.2	1638.5	1597.2	1634.0	1632.9	1641.9
25°	1578.3	1564.9	1535.9	1491.3	1434.4	1408.7	1470.1	1470.1	1493.5
27.5°	1316.2	1302.8	1282.7	1244.8	1197.9	1190.1	1280.5	1291.6	1317.3
30°	1048.5	1039.5	1028.4	993.8	954.8	969.3	1094.2	1113.2	1142.2
32.5°	809.8	804.2	800.8	769.6	735.0	783.0	925.8	950.3	979.3
35°	611.2	599.0	607.9	584.5	553.2	613.5	770.7	791.9	815.3
37.5°	450.6	441.7	449.5	432.8	404.9	470.7	619.0	632.4	648.0
40°	323.5	315.7	322.3	312.3	290.0	351.3	485.2	499.7	506.4
42.5°	229.8	216.4	223.1	215.3	204.1	264.3	381.5	394.8	397.1
45°	145.0	140.5	145.0	140.5	138.3	196.3	301.2	313.4	319.0
47.5°	88.1	82.5	82.5	80.3	82.5	145.0	248.7	266.6	275.5
50°	50.2	48.0	46.8	45.7	50.2	113.8	215.3	235.3	246.5
52.5°	33.5	32.3	32.3	31.2	36.8	95.9	194.1	211.9	223.1
55°	24.5	23.4	23.4	23.4	29.0	82.5	178.5	193.0	203.0
57.5°	19.0	19.0	19.0	17.8	24.5	70.3	159.5	167.3	175.1
60°	15.6	14.5	14.5	14.5	20.1	60.2	137.2	140.5	145.0
62.5°	12.3	12.3	12.3	12.3	16.7	53.5	118.2	118.2	120.5
65°	11.2	10.0	10.0	10.0	14.5	46.8	99.3	98.2	100.4
67.5°	8.9	8.9	8.9	8.9	12.3	40.2	81.4	80.3	82.5
70°	7.8	7.8	7.8	7.8	10.0	33.5	65.8	64.7	66.9
72.5°	6.7	6.7	6.7	6.7	8.9	27.9	52.4	52.4	53.5
75°	5.6	5.6	5.6	5.6	7.8	21.2	42.4	42.4	43.5
77.5°	4.5	4.5	4.5	4.5	5.6	16.7	32.3	31.2	31.2
80°	2.2	3.3	3.3	3.3	4.5	12.3	23.4	21.2	21.2
82.5°	1.1	2.2	2.2	2.2	4.5	8.9	15.6	14.5	14.5
85°	1.1	1.1	1.1	3.3	4.5	6.7	10.0	10.0	10.0
87.5°	0.0	1.1	2.2	4.5	5.6	5.6	6.7	5.6	5.6
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)