

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: P799376

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799376
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: LD6C15D010 EU6159035 6LBMDDWGPH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

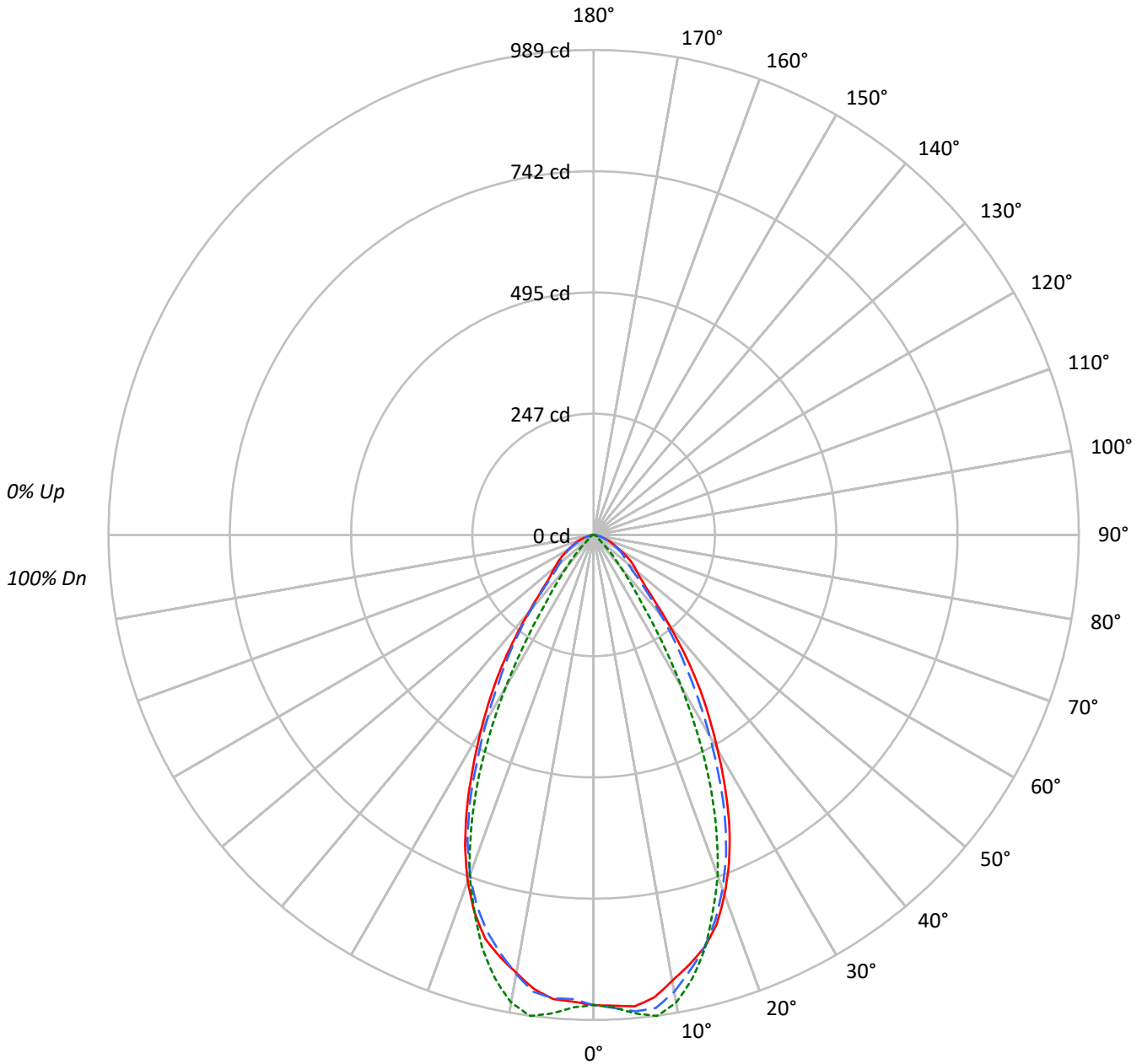
Lumens per Lamp: N/A
Luminaire Lumens: 976.0 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	52556	52556	52556
5°	53104	53912	52273
10°	51385	53907	50489
15°	49455	49648	48405
20°	45516	43130	43812
25°	39613	34006	36897
30°	31948	22592	28985
35°	24768	11651	21770
40°	16996	6040	14656
45°	11645	3024	10280
50°	9688	1288	8818
55°	8717	1118	7875
60°	6896	1074	6578
65°	5695	947	5630
70°	4616	866	4616
75°	3410	932	3622
80°	1989	758	2147
85°	1510	943	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	9.4
10°-20°	239.5	24.5
20°-30°	273.4	28.0
30°-40°	181.3	18.6
40°-50°	87.5	9.0
50°-60°	53.8	5.5
60°-70°	32.5	3.3
70°-80°	13.7	1.4
80°-90°	3.0	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°	604.2	61.9
0°-40°	785.5	80.5
0°-60°	926.7	95.0
0°-90°	976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	976.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	959	959	959	959	959	
5°	965	975	980	948	950	91
15°	871	871	875	838	853	243
25°	655	633	562	595	610	297
35°	370	326	174	304	325	229
45°	150	132	39	123	133	122
55°	91	74	12	74	82	80
65°	44	42	7	40	43	44
75°	16	16	4	15	17	17
85°	2	3	2	2	2	3
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°	958.7	958.7	958.7	958.7	958.7	958.7	958.7	958.7	958.7
2.5°	961.1	962.6	965.5	966.0	964.5	955.3	947.5	950.4	952.8
5°	965.0	968.0	975.3	982.1	979.7	964.1	948.4	948.0	949.9
7.5°	950.9	957.7	972.8	989.9	989.4	962.6	939.7	933.8	933.8
10°	923.1	929.4	946.0	968.9	968.4	934.8	909.4	906.5	907.0
12.5°	898.2	901.1	909.4	927.5	927.5	894.3	874.8	877.7	881.6
15°	871.4	873.4	871.4	877.3	874.8	847.5	837.8	847.0	852.9
17.5°	833.4	834.3	824.1	816.3	807.0	790.0	792.4	806.1	807.5
20°	780.2	786.6	768.0	748.0	739.3	723.2	736.8	751.9	751.0
22.5°	721.7	729.0	705.1	672.0	653.9	647.6	672.0	685.6	685.1
25°	654.9	660.3	632.9	586.6	562.2	561.3	594.9	609.1	610.0
27.5°	579.8	581.7	551.0	490.6	460.3	467.6	510.1	529.6	532.0
30°	504.7	503.7	472.0	396.9	356.9	376.9	434.0	455.5	457.9
32.5°	435.9	433.0	396.9	307.2	259.4	289.2	364.3	386.7	390.6
35°	370.1	365.2	326.2	227.2	174.1	218.5	304.3	323.8	325.3
37.5°	301.4	298.9	268.2	170.2	121.4	165.8	248.2	262.3	260.9
40°	237.5	237.5	212.1	126.3	84.4	123.4	196.5	209.2	204.8
42.5°	186.3	188.7	167.3	93.1	60.0	91.7	155.6	167.3	162.4
45°	150.2	150.2	131.7	69.2	39.0	68.3	122.9	133.6	132.6
47.5°	127.3	125.3	106.8	50.7	21.5	51.2	103.4	116.5	116.1
50°	113.6	110.7	91.7	40.0	15.1	42.4	90.7	102.9	103.4
52.5°	102.9	98.5	82.4	35.6	13.2	37.1	82.4	92.2	92.2
55°	91.2	88.7	74.1	31.7	11.7	33.2	74.1	82.9	82.4
57.5°	77.0	76.6	66.3	28.8	10.7	29.3	66.3	71.7	69.7
60°	62.9	64.9	57.5	25.8	9.8	26.3	56.6	61.0	60.0
62.5°	52.7	55.1	50.2	22.9	8.3	23.4	47.8	52.2	51.2
65°	43.9	45.8	41.9	19.5	7.3	19.5	39.5	43.4	43.4
67.5°	36.1	37.5	34.6	16.1	6.3	16.1	32.2	35.6	36.1
70°	28.8	29.7	27.3	12.7	5.4	13.2	25.4	28.8	28.8
72.5°	22.4	22.9	21.5	10.2	4.9	10.2	19.5	22.4	22.4
75°	16.1	17.1	16.1	7.8	4.4	7.8	15.1	16.6	17.1
77.5°	9.3	11.7	11.7	6.3	3.4	5.9	10.7	11.2	11.2
80°	6.3	7.3	8.3	4.4	2.4	4.4	6.8	7.3	6.8
82.5°	4.4	4.9	4.9	2.9	2.0	2.9	4.4	4.9	4.4
85°	2.4	3.4	3.4	2.4	1.5	2.0	2.4	2.9	2.4
87.5°	1.5	2.0	2.4	2.0	1.5	1.5	1.5	1.5	1.0
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)