

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: P799399

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799399
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: LD6C15D010 EU6159040 6LBMDSWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

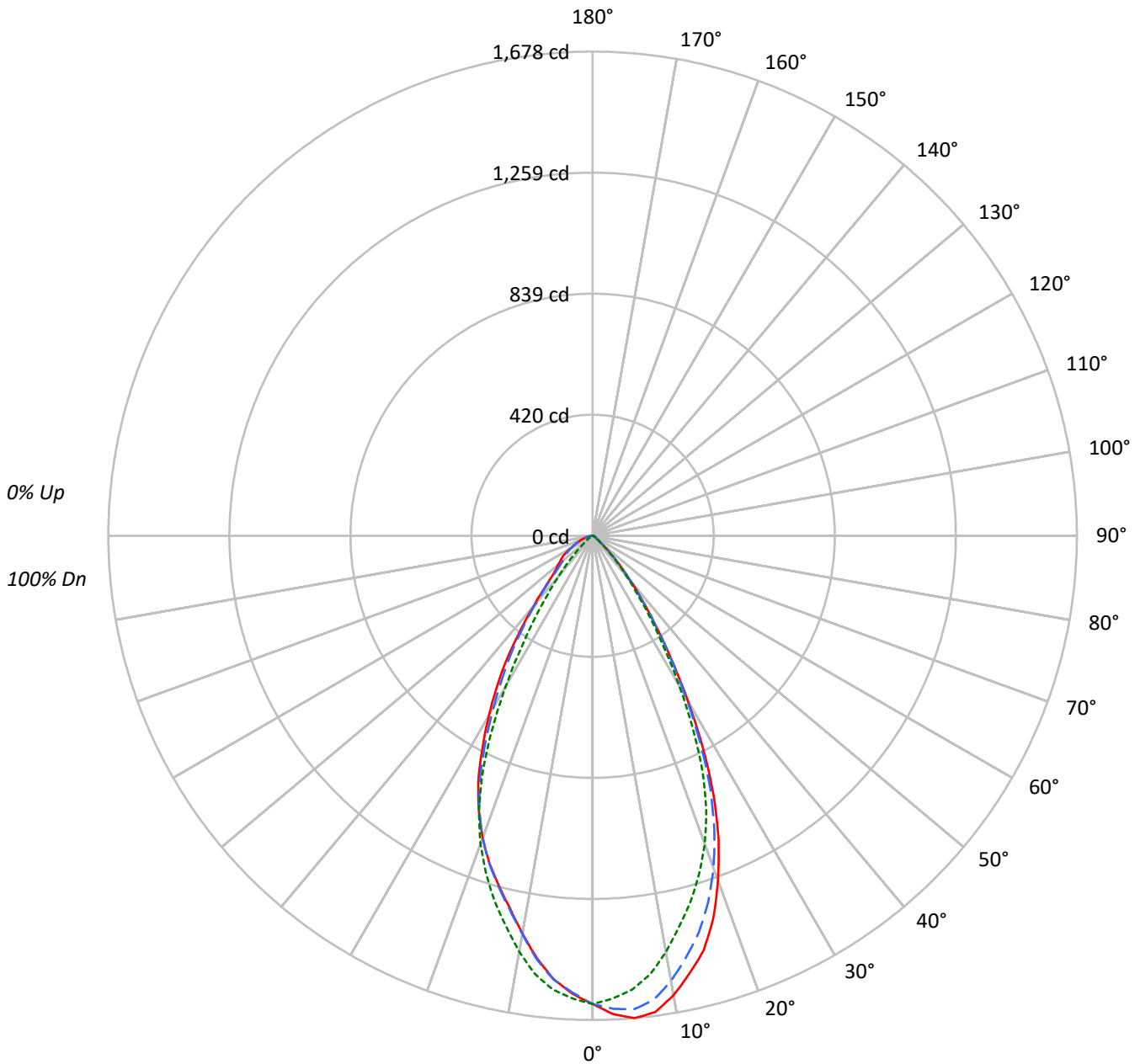
Lumens per Lamp: N/A
Luminaire Lumens: 1397.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	88951	88951	88951
5°	92334	86864	84900
10°	89973	81478	77893
15°	84382	74450	71232
20°	74078	66278	65012
25°	59913	54451	56695
30°	41652	37930	45374
35°	25672	23236	34245
40°	14527	13024	22743
45°	7055	6729	15521
50°	2686	2686	13194
55°	1472	1739	12176
60°	1074	1381	9977
65°	908	1180	8172
70°	785	1010	6732
75°	741	1038	5782
80°	442	884	4199
85°	440	1761	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	10.6
10°-20°	373.3	26.7
20°-30°	420.3	30.1
30°-40°	260.2	18.6
40°-50°	103.6	7.4
50°-60°	47.2	3.4
60°-70°	27.1	1.9
70°-80°	12.9	0.9
80°-90°	3.8	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°	942.2	67.4
0°-40°	1202.4	86.1
0°-60°	1353.2	96.9
0°-90°	1397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1623	1623	1623	1623	1623	
5°	1678	1647	1578	1544	1543	158
15°	1487	1422	1312	1259	1255	411
25°	990	964	900	923	937	445
35°	384	382	347	484	512	247
45°	91	91	87	189	200	77
55°	15	15	18	112	127	15
65°	7	6	9	62	63	7
75°	4	4	5	27	27	4
85°	1	1	3	6	6	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°	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6
2.5°	1659.7	1644.3	1640.8	1627.5	1605.1	1592.5	1584.8	1579.2	1589.0
5°	1677.9	1661.1	1647.1	1619.8	1578.5	1555.4	1544.2	1535.1	1542.8
7.5°	1664.6	1640.8	1621.9	1584.1	1531.6	1495.9	1480.5	1470.0	1477.0
10°	1616.3	1587.6	1565.9	1521.1	1463.7	1421.0	1402.1	1392.3	1399.3
12.5°	1553.3	1529.5	1496.6	1447.6	1386.0	1341.2	1327.2	1319.5	1322.3
15°	1486.8	1458.8	1422.4	1373.4	1311.8	1267.0	1258.6	1253.7	1255.1
17.5°	1390.2	1362.9	1331.4	1283.8	1227.1	1190.7	1190.7	1187.2	1189.3
20°	1269.8	1255.1	1224.3	1184.4	1136.1	1103.2	1113.7	1110.2	1114.4
22.5°	1139.6	1128.4	1101.8	1068.9	1028.3	1002.4	1025.5	1024.8	1030.4
25°	990.5	982.1	963.9	935.9	900.2	884.1	922.6	922.6	937.3
27.5°	826.0	817.6	805.0	781.2	751.8	746.9	803.6	810.6	826.7
30°	658.0	652.4	645.4	623.7	599.2	608.3	686.7	698.6	716.8
32.5°	508.2	504.7	502.6	483.0	461.3	491.4	581.0	596.4	614.6
35°	383.6	375.9	381.5	366.8	347.2	385.0	483.7	497.0	511.7
37.5°	282.8	277.2	282.1	271.6	254.1	295.4	388.5	396.9	406.7
40°	203.0	198.1	202.3	196.0	182.0	220.5	304.5	313.6	317.8
42.5°	144.2	135.8	140.0	135.1	128.1	165.9	239.4	247.8	249.2
45°	91.0	88.2	91.0	88.2	86.8	123.2	189.0	196.7	200.2
47.5°	55.3	51.8	51.8	50.4	51.8	91.0	156.1	167.3	172.9
50°	31.5	30.1	29.4	28.7	31.5	71.4	135.1	147.7	154.7
52.5°	21.0	20.3	20.3	19.6	23.1	60.2	121.8	133.0	140.0
55°	15.4	14.7	14.7	14.7	18.2	51.8	112.0	121.1	127.4
57.5°	11.9	11.9	11.9	11.2	15.4	44.1	100.1	105.0	109.9
60°	9.8	9.1	9.1	9.1	12.6	37.8	86.1	88.2	91.0
62.5°	7.7	7.7	7.7	7.7	10.5	33.6	74.2	74.2	75.6
65°	7.0	6.3	6.3	6.3	9.1	29.4	62.3	61.6	63.0
67.5°	5.6	5.6	5.6	5.6	7.7	25.2	51.1	50.4	51.8
70°	4.9	4.9	4.9	4.9	6.3	21.0	41.3	40.6	42.0
72.5°	4.2	4.2	4.2	4.2	5.6	17.5	32.9	32.9	33.6
75°	3.5	3.5	3.5	3.5	4.9	13.3	26.6	26.6	27.3
77.5°	2.8	2.8	2.8	2.8	3.5	10.5	20.3	19.6	19.6
80°	1.4	2.1	2.1	2.1	2.8	7.7	14.7	13.3	13.3
82.5°	0.7	1.4	1.4	1.4	2.8	5.6	9.8	9.1	9.1
85°	0.7	0.7	0.7	2.1	2.8	4.2	6.3	6.3	6.3
87.5°	0.0	0.7	1.4	2.8	3.5	3.5	4.2	3.5	3.5
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)