

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: P799397

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799397
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 6LBMDSWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

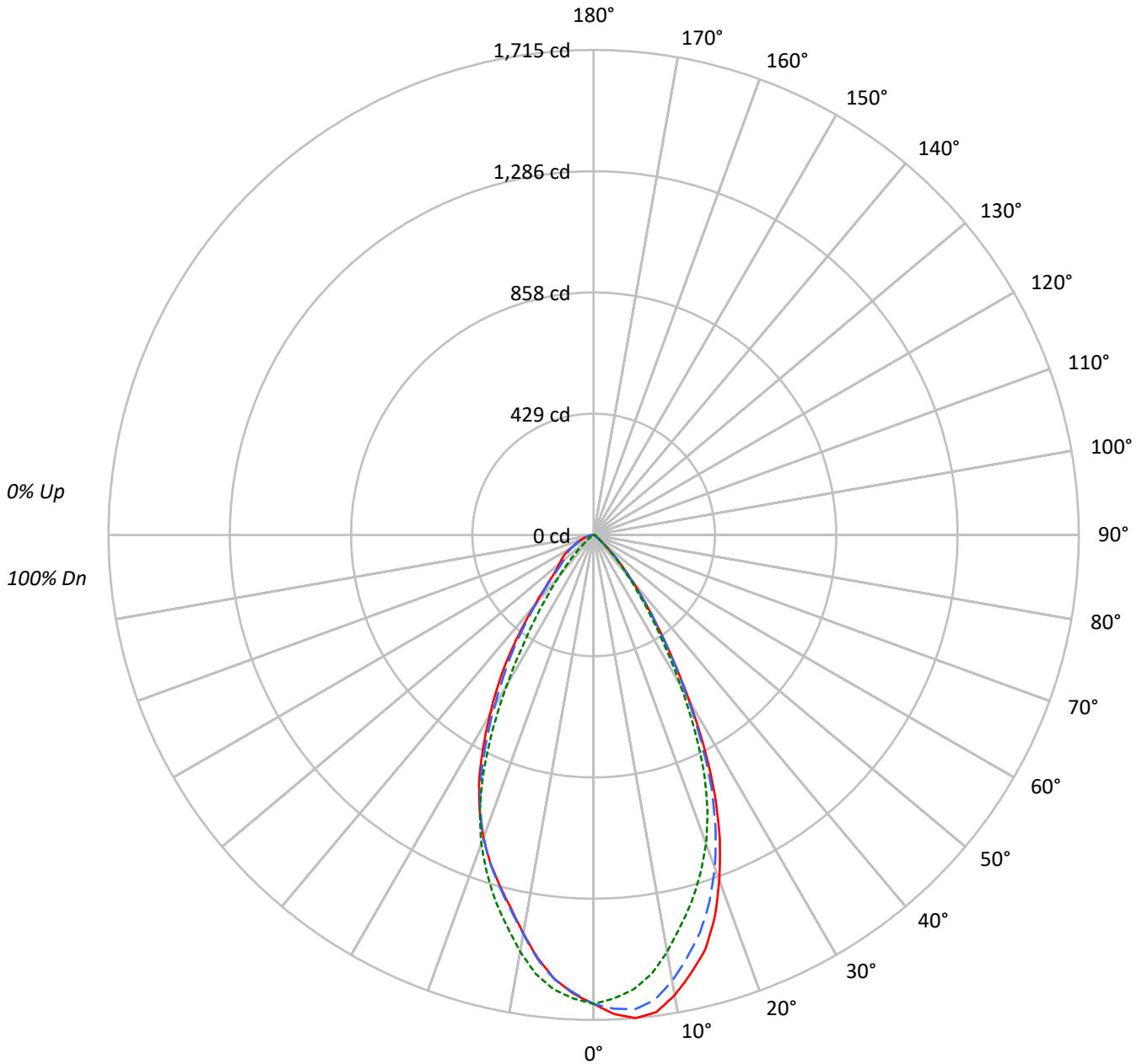
Lumens per Lamp: N/A
Luminaire Lumens: 1428.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	90925	90925	90925
5°	94381	88790	86782
10°	91971	83287	79619
15°	86255	76101	72810
20°	75723	67748	66453
25°	61243	55660	57953
30°	42576	38772	46381
35°	26241	23751	35007
40°	14849	13311	23251
45°	7210	6877	15862
50°	2746	2746	13484
55°	1501	1778	12444
60°	1096	1414	10197
65°	934	1206	8354
70°	801	1026	6876
75°	763	1059	5909
80°	442	916	4293
85°	440	1824	4026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	10.6
10°-20°	381.6	26.7
20°-30°	429.6	30.1
30°-40°	266.0	18.6
40°-50°	105.9	7.4
50°-60°	48.2	3.4
60°-70°	27.7	1.9
70°-80°	13.2	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°	963.1	67.4
0°-40°	1229.1	86.1
0°-60°	1383.3	96.9
0°-90°	1428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1428.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1659	1659	1659	1659	1659	
5°	1715	1684	1614	1578	1577	162
15°	1520	1454	1341	1286	1283	420
25°	1012	985	920	943	958	455
35°	392	390	355	494	523	252
45°	93	93	89	193	205	79
55°	16	15	19	114	130	16
65°	7	6	9	64	64	7
75°	4	4	5	27	28	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°	1658.6	1658.6	1658.6	1658.6	1658.6	1658.6	1658.6	1658.6	1658.6
2.5°	1696.5	1680.8	1677.2	1663.6	1640.7	1627.8	1620.0	1614.2	1624.3
5°	1715.1	1698.0	1683.6	1655.7	1613.5	1589.9	1578.5	1569.2	1577.0
7.5°	1701.5	1677.2	1657.9	1619.2	1565.6	1529.1	1513.4	1502.6	1509.8
10°	1652.2	1622.8	1600.6	1554.9	1496.2	1452.5	1433.2	1423.2	1430.3
12.5°	1587.8	1563.4	1529.8	1479.7	1416.8	1371.0	1356.6	1348.8	1351.6
15°	1519.8	1491.2	1454.0	1403.9	1340.9	1295.1	1286.5	1281.5	1282.9
17.5°	1421.0	1393.1	1360.9	1312.3	1254.3	1217.1	1217.1	1213.5	1215.7
20°	1298.0	1282.9	1251.5	1210.7	1161.3	1127.7	1138.4	1134.8	1139.1
22.5°	1164.9	1153.4	1126.2	1092.6	1051.1	1024.6	1048.3	1047.5	1053.3
25°	1012.5	1003.9	985.3	956.7	920.2	903.7	943.1	943.1	958.1
27.5°	844.3	835.7	822.9	798.5	768.5	763.5	821.4	828.6	845.0
30°	672.6	666.9	659.7	637.5	612.5	621.8	701.9	714.1	732.7
32.5°	519.5	515.9	513.8	493.7	471.5	502.3	593.9	609.6	628.2
35°	392.1	384.2	390.0	374.9	354.9	393.5	494.4	508.0	523.1
37.5°	289.1	283.4	288.4	277.6	259.7	302.0	397.1	405.7	415.7
40°	207.5	202.5	206.8	200.3	186.0	225.4	311.3	320.6	324.9
42.5°	147.4	138.8	143.1	138.1	130.9	169.6	244.7	253.3	254.7
45°	93.0	90.2	93.0	90.2	88.7	125.9	193.2	201.1	204.6
47.5°	56.5	52.9	52.9	51.5	52.9	93.0	159.6	171.0	176.7
50°	32.2	30.8	30.1	29.3	32.2	73.0	138.1	151.0	158.1
52.5°	21.5	20.8	20.8	20.0	23.6	61.5	124.5	136.0	143.1
55°	15.7	15.0	15.0	15.0	18.6	52.9	114.5	123.8	130.2
57.5°	12.2	12.2	12.2	11.4	15.7	45.1	102.3	107.3	112.3
60°	10.0	9.3	9.3	9.3	12.9	38.6	88.0	90.2	93.0
62.5°	7.9	7.9	7.9	7.9	10.7	34.3	75.8	75.8	77.3
65°	7.2	6.4	6.4	6.4	9.3	30.1	63.7	63.0	64.4
67.5°	5.7	5.7	5.7	5.7	7.9	25.8	52.2	51.5	52.9
70°	5.0	5.0	5.0	5.0	6.4	21.5	42.2	41.5	42.9
72.5°	4.3	4.3	4.3	4.3	5.7	17.9	33.6	33.6	34.3
75°	3.6	3.6	3.6	3.6	5.0	13.6	27.2	27.2	27.9
77.5°	2.9	2.9	2.9	2.9	3.6	10.7	20.8	20.0	20.0
80°	1.4	2.1	2.1	2.1	2.9	7.9	15.0	13.6	13.6
82.5°	0.7	1.4	1.4	1.4	2.9	5.7	10.0	9.3	9.3
85°	0.7	0.7	0.7	2.1	2.9	4.3	6.4	6.4	6.4
87.5°	0.0	0.7	1.4	2.9	3.6	3.6	4.3	3.6	3.6
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)