

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: P799363

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDSWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799363
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 EU6159027 6LBMDSWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

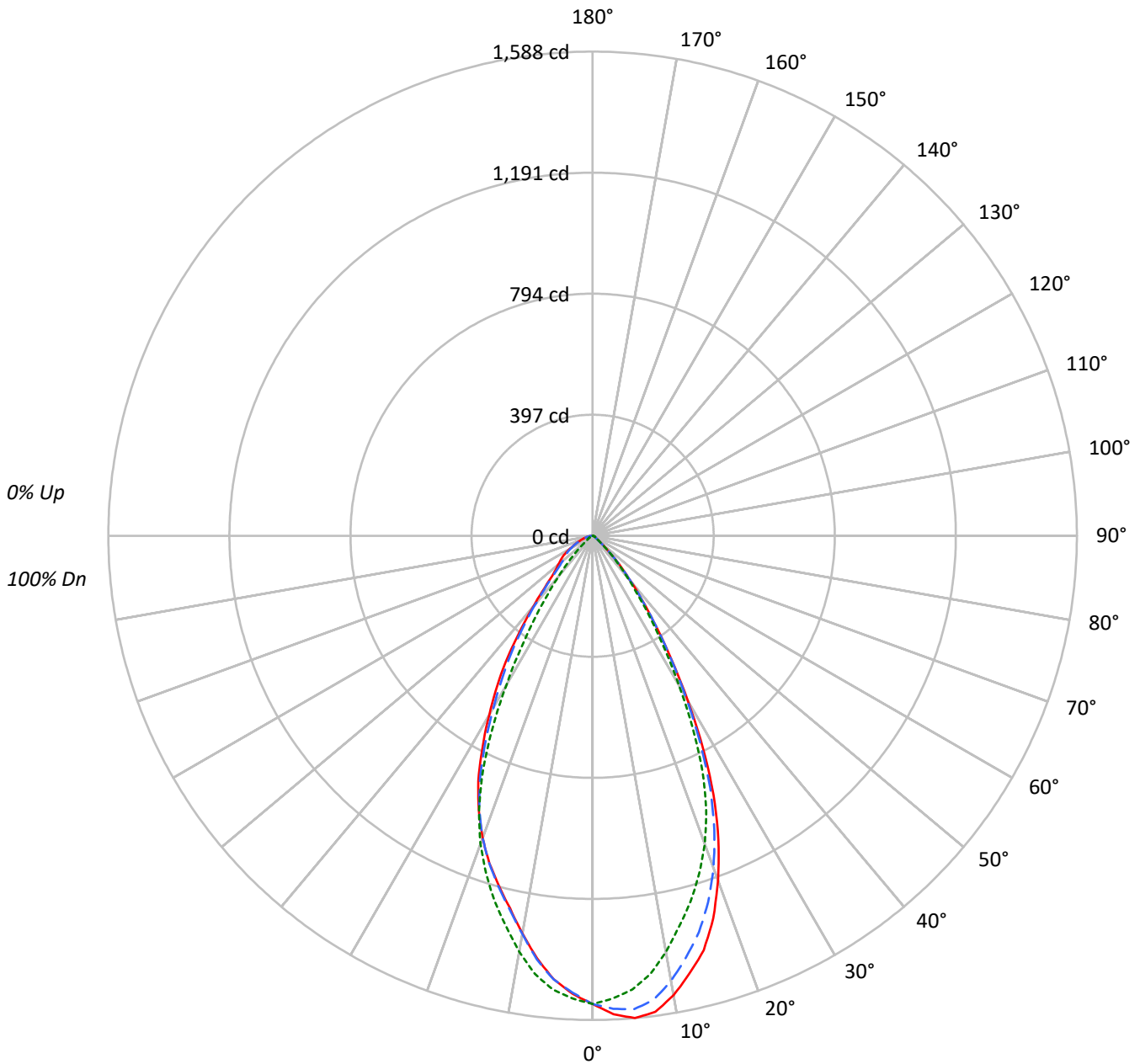
Lumens per Lamp: N/A
Luminaire Lumens: 1322.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	84176	84176	84176
5°	87376	82203	80343
10°	85141	77103	73713
15°	79853	70454	67407
20°	70099	62720	61524
25°	56695	51529	53652
30°	39417	35892	42937
35°	24293	21991	32404
40°	13747	12323	21519
45°	6675	6365	14691
50°	2541	2541	12486
55°	1395	1644	11526
60°	1020	1305	9440
65°	856	1116	7731
70°	737	962	6363
75°	699	974	5465
80°	410	821	3978
85°	440	1635	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	10.6
10°-20°	353.3	26.7
20°-30°	397.7	30.1
30°-40°	246.3	18.6
40°-50°	98.1	7.4
50°-60°	44.7	3.4
60°-70°	25.7	1.9
70°-80°	12.2	0.9
80°-90°	3.6	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°	891.6	67.4
0°-40°	1137.9	86.1
0°-60°	1280.6	96.9
0°-90°	1322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1322.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1536	1536	1536	1536	1536	
5°	1588	1559	1494	1461	1460	150
15°	1407	1346	1241	1191	1188	389
25°	937	912	852	873	887	421
35°	363	361	329	458	484	233
45°	86	86	82	179	190	73
55°	15	14	17	106	121	14
65°	7	6	9	59	60	6
75°	3	3	5	25	26	3
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°	1535.5	1535.5	1535.5	1535.5	1535.5	1535.5	1535.5	1535.5	1535.5
2.5°	1570.6	1556.0	1552.7	1540.1	1518.9	1507.0	1499.7	1494.4	1503.7
5°	1587.8	1571.9	1558.7	1532.8	1493.8	1471.9	1461.3	1452.7	1460.0
7.5°	1575.2	1552.7	1534.8	1499.1	1449.4	1415.6	1401.0	1391.1	1397.7
10°	1529.5	1502.4	1481.8	1439.4	1385.1	1344.7	1326.8	1317.6	1324.2
12.5°	1469.9	1447.4	1416.3	1369.9	1311.6	1269.2	1255.9	1248.7	1251.3
15°	1407.0	1380.5	1346.0	1299.7	1241.4	1199.0	1191.0	1186.4	1187.7
17.5°	1315.6	1289.7	1259.9	1214.9	1161.2	1126.8	1126.8	1123.5	1125.4
20°	1201.6	1187.7	1158.6	1120.8	1075.1	1044.0	1053.9	1050.6	1054.6
22.5°	1078.4	1067.8	1042.6	1011.5	973.1	948.6	970.4	969.8	975.1
25°	937.3	929.4	912.2	885.7	851.9	836.6	873.1	873.1	887.0
27.5°	781.7	773.7	761.8	739.3	711.4	706.8	760.5	767.1	782.3
30°	622.7	617.4	610.7	590.2	567.0	575.6	649.8	661.1	678.3
32.5°	480.9	477.6	475.6	457.1	436.5	465.0	549.8	564.4	581.6
35°	363.0	355.7	361.0	347.1	328.6	364.3	457.7	470.3	484.2
37.5°	267.6	262.3	267.0	257.0	240.5	279.5	367.6	375.6	384.9
40°	192.1	187.5	191.4	185.5	172.2	208.7	288.2	296.8	300.7
42.5°	136.5	128.5	132.5	127.8	121.2	157.0	226.5	234.5	235.8
45°	86.1	83.5	86.1	83.5	82.1	116.6	178.9	186.1	189.5
47.5°	52.3	49.0	49.0	47.7	49.0	86.1	147.7	158.3	163.6
50°	29.8	28.5	27.8	27.2	29.8	67.6	127.8	139.8	146.4
52.5°	19.9	19.2	19.2	18.5	21.9	57.0	115.3	125.9	132.5
55°	14.6	13.9	13.9	13.9	17.2	49.0	106.0	114.6	120.6
57.5°	11.3	11.3	11.3	10.6	14.6	41.7	94.7	99.4	104.0
60°	9.3	8.6	8.6	8.6	11.9	35.8	81.5	83.5	86.1
62.5°	7.3	7.3	7.3	7.3	9.9	31.8	70.2	70.2	71.5
65°	6.6	6.0	6.0	6.0	8.6	27.8	59.0	58.3	59.6
67.5°	5.3	5.3	5.3	5.3	7.3	23.8	48.4	47.7	49.0
70°	4.6	4.6	4.6	4.6	6.0	19.9	39.1	38.4	39.7
72.5°	4.0	4.0	4.0	4.0	5.3	16.6	31.1	31.1	31.8
75°	3.3	3.3	3.3	3.3	4.6	12.6	25.2	25.2	25.8
77.5°	2.6	2.6	2.6	2.6	3.3	9.9	19.2	18.5	18.5
80°	1.3	2.0	2.0	2.0	2.6	7.3	13.9	12.6	12.6
82.5°	0.7	1.3	1.3	1.3	2.6	5.3	9.3	8.6	8.6
85°	0.7	0.7	0.7	2.0	2.6	4.0	6.0	6.0	6.0
87.5°	0.0	0.7	1.3	2.6	3.3	3.3	4.0	3.3	3.3
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)