

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: P799369

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799369
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 EU6159030 6LBMDDWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

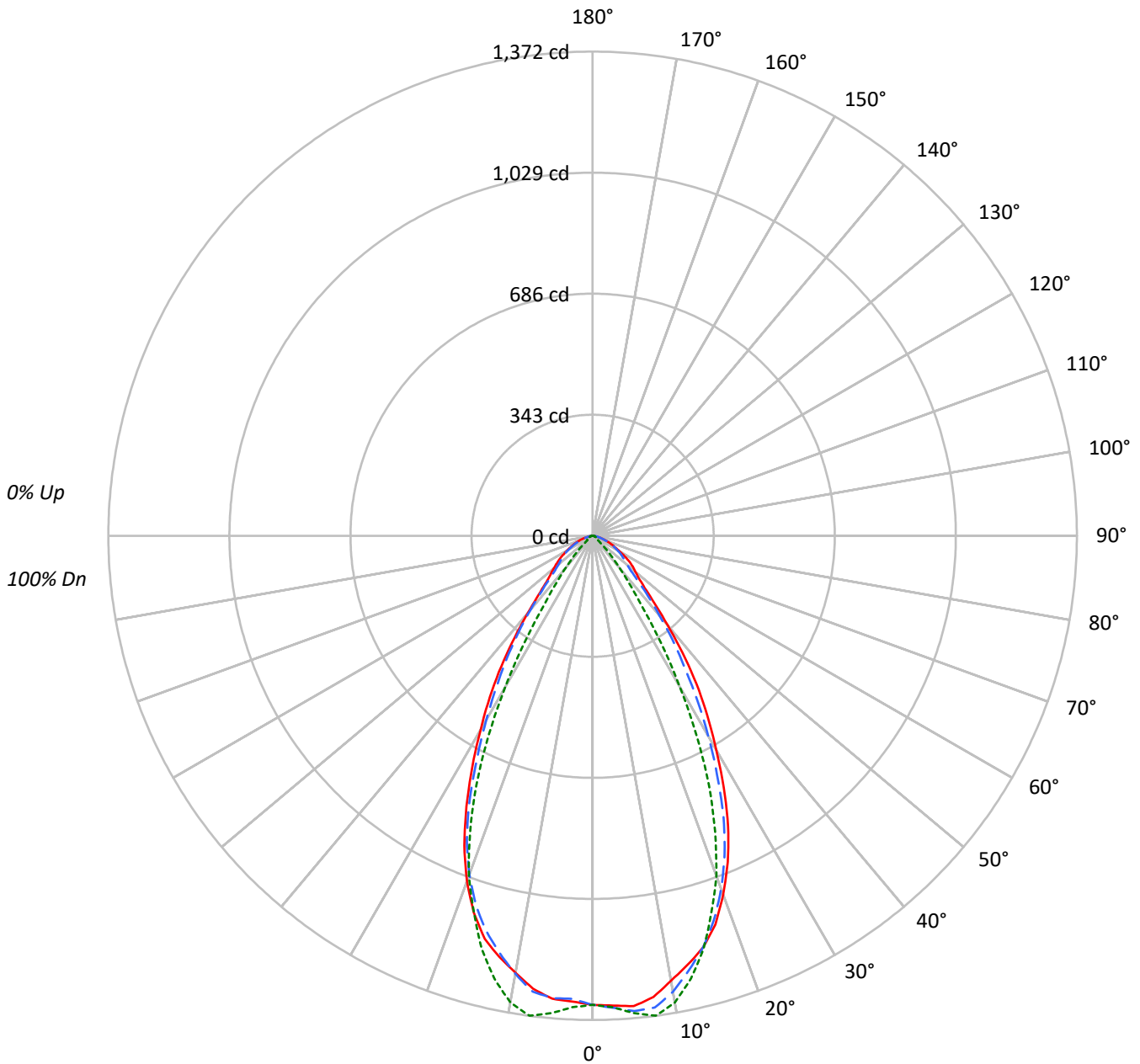
Lumens per Lamp: N/A
Luminaire Lumens: 1353.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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			
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°	72856	72856	72856
5°	73619	74736	72463
10°	71236	74731	69989
15°	68559	68826	67100
20°	63099	59785	60730
25°	54916	47144	51154
30°	44292	31321	40183
35°	34338	16149	30176
40°	23558	8366	20317
45°	16141	4194	14257
50°	13432	1791	12221
55°	12081	1548	10915
60°	9561	1480	9111
65°	7887	1310	7809
70°	6395	1186	6395
75°	4723	1292	5020
80°	2778	1073	2999
85°	2139	1258	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	9.4
10°-20°	332.0	24.5
20°-30°	379.0	28.0
30°-40°	251.3	18.6
40°-50°	121.2	9.0
50°-60°	74.6	5.5
60°-70°	45.1	3.3
70°-80°	19.0	1.4
80°-90°	4.2	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°	837.6	61.9
0°-40°	1088.9	80.5
0°-60°	1284.7	95.0
0°-90°	1353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1353.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1329	1329	1329	1329	1329	
5°	1338	1352	1358	1315	1317	126
15°	1208	1208	1213	1161	1182	337
25°	908	877	779	825	846	412
35°	513	452	241	422	451	317
45°	208	182	54	170	184	170
55°	126	103	16	103	114	111
65°	61	58	10	55	60	61
75°	22	22	6	21	24	24
85°	3	5	2	3	3	4
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°	1329.0	1329.0	1329.0	1329.0	1329.0	1329.0	1329.0	1329.0	1329.0
2.5°	1332.4	1334.4	1338.5	1339.1	1337.1	1324.3	1313.5	1317.5	1320.9
5°	1337.8	1341.8	1352.0	1361.5	1358.1	1336.4	1314.8	1314.1	1316.8
7.5°	1318.2	1327.7	1348.6	1372.3	1371.6	1334.4	1302.6	1294.5	1294.5
10°	1279.7	1288.4	1311.4	1343.2	1342.5	1295.9	1260.7	1256.7	1257.3
12.5°	1245.2	1249.2	1260.7	1285.7	1285.7	1239.8	1212.7	1216.8	1222.2
15°	1208.0	1210.7	1208.0	1216.1	1212.7	1174.9	1161.4	1174.2	1182.3
17.5°	1155.3	1156.6	1142.4	1131.6	1118.8	1095.1	1098.5	1117.4	1119.4
20°	1081.6	1090.4	1064.7	1037.0	1024.8	1002.5	1021.4	1042.4	1041.0
22.5°	1000.5	1010.6	977.5	931.5	906.5	897.7	931.5	950.4	949.8
25°	907.9	915.3	877.4	813.2	779.4	778.1	824.7	844.3	845.7
27.5°	803.8	806.5	763.9	680.0	638.1	648.3	707.1	734.1	737.5
30°	699.7	698.3	654.4	550.3	494.8	522.5	601.6	631.4	634.8
32.5°	604.3	600.3	550.3	425.9	359.6	400.9	505.0	536.1	541.5
35°	513.1	506.3	452.2	315.0	241.3	302.8	421.8	448.9	450.9
37.5°	417.8	414.4	371.8	235.9	168.3	229.8	344.1	363.7	361.7
40°	329.2	329.2	294.1	175.1	116.9	171.0	272.4	290.0	283.9
42.5°	258.2	261.6	231.9	129.1	83.1	127.1	215.6	231.9	225.1
45°	208.2	208.2	182.5	96.0	54.1	94.6	170.4	185.2	183.9
47.5°	176.4	173.7	148.0	70.3	29.7	71.0	143.3	161.6	160.9
50°	157.5	153.5	127.1	55.4	21.0	58.8	125.7	142.6	143.3
52.5°	142.6	136.6	114.2	49.3	18.3	51.4	114.2	127.8	127.8
55°	126.4	123.0	102.8	43.9	16.2	46.0	102.8	114.9	114.2
57.5°	106.8	106.1	91.9	39.9	14.9	40.6	91.9	99.4	96.7
60°	87.2	89.9	79.8	35.8	13.5	36.5	78.4	84.5	83.1
62.5°	73.0	76.4	69.6	31.8	11.5	32.4	66.2	72.3	71.0
65°	60.8	63.5	58.1	27.0	10.1	27.0	54.8	60.2	60.2
67.5°	50.0	52.1	48.0	22.3	8.8	22.3	44.6	49.3	50.0
70°	39.9	41.2	37.9	17.6	7.4	18.3	35.2	39.9	39.9
72.5°	31.1	31.8	29.7	14.2	6.8	14.2	27.0	31.1	31.1
75°	22.3	23.7	22.3	10.8	6.1	10.8	21.0	23.0	23.7
77.5°	12.8	16.2	16.2	8.8	4.7	8.1	14.9	15.5	15.5
80°	8.8	10.1	11.5	6.1	3.4	6.1	9.5	10.1	9.5
82.5°	6.1	6.8	6.8	4.1	2.7	4.1	6.1	6.8	6.1
85°	3.4	4.7	4.7	3.4	2.0	2.7	3.4	4.1	3.4
87.5°	2.0	2.7	3.4	2.7	2.0	2.0	2.0	2.0	1.4
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)