

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: P799405

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799405
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 EU6159050 6LBMDDWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

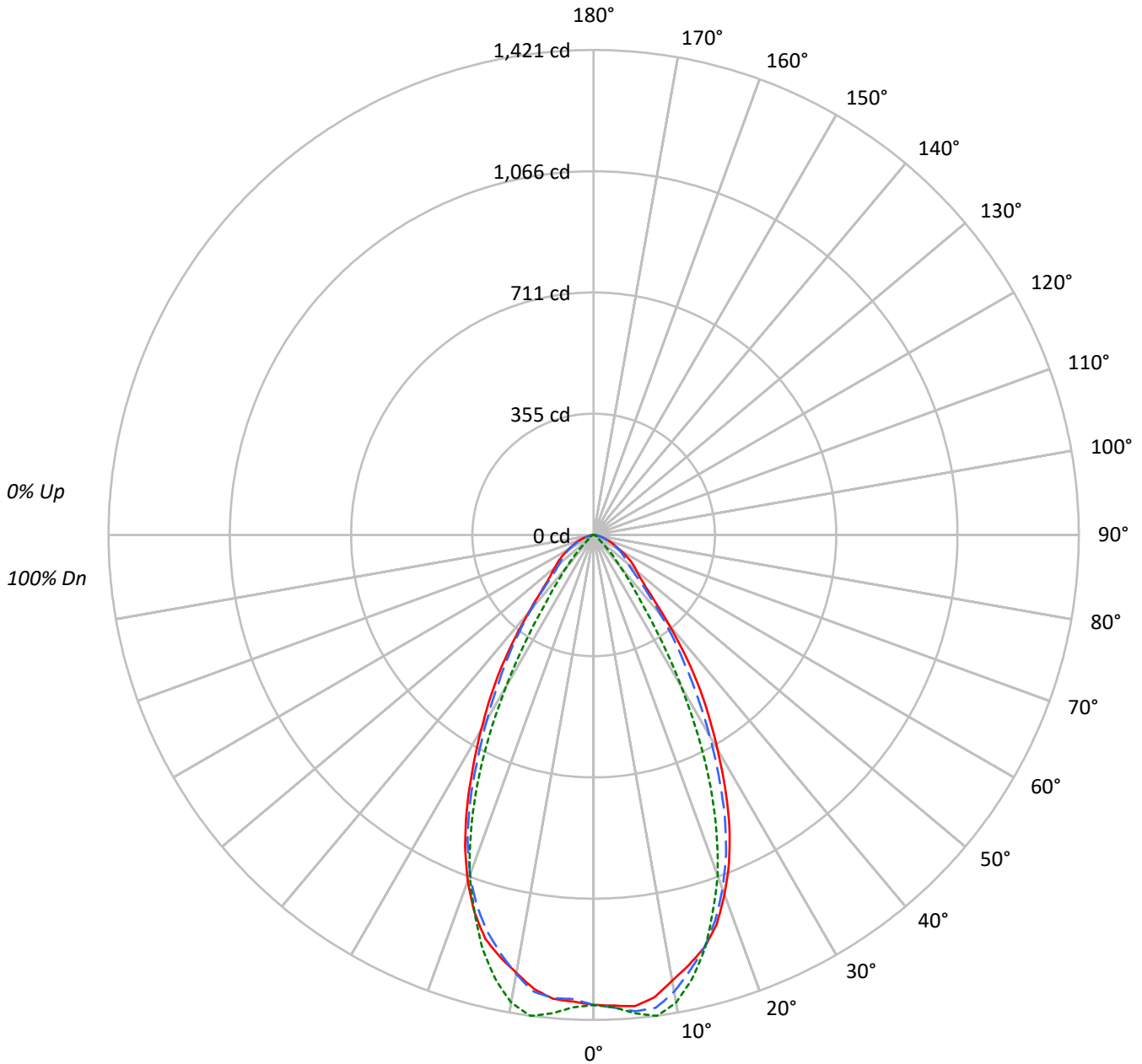
Lumens per Lamp: N/A
Luminaire Lumens: 1402.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799405

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDDWWMH

Luminous Intensity Polar Plot





TEST NUMBER: P799405

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDDWWMH

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°	75493	75493	75493
5°	76282	77443	75088
10°	73813	77437	72527
15°	71039	71323	69529
20°	65386	61950	62930
25°	56900	48850	53005
30°	45893	32454	41633
35°	35583	16737	31266
40°	24410	8673	21054
45°	16723	4342	14769
50°	13919	1851	12665
55°	12520	1606	11316
60°	9911	1535	9451
65°	8172	1362	8081
70°	6620	1234	6620
75°	4893	1334	5189
80°	2873	1105	3094
85°	2201	1321	2201



TEST NUMBER: P799405

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDDWWMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	9.4
10°-20°	344.1	24.5
20°-30°	392.7	28.0
30°-40°	260.5	18.6
40°-50°	125.6	9.0
50°-60°	77.3	5.5
60°-70°	46.7	3.3
70°-80°	19.7	1.4
80°-90°	4.3	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°	867.9	61.9
0°-40°	1128.3	80.5
0°-60°	1331.2	95.0
0°-90°	1402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1402.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1377	1377	1377	1377	1377	
5°	1386	1401	1407	1362	1364	130
15°	1252	1252	1257	1203	1225	349
25°	941	909	808	855	876	427
35°	532	469	250	437	467	329
45°	216	189	56	176	190	176
55°	131	106	17	106	118	115
65°	63	60	10	57	62	63
75°	23	23	6	22	24	25
85°	4	5	2	4	4	4
90°	0	0	0	0	0	



TEST NUMBER: P799405

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDDWWMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1
2.5°	1380.6	1382.7	1386.9	1387.6	1385.5	1372.2	1361.0	1365.2	1368.7
5°	1386.2	1390.4	1401.0	1410.8	1407.3	1384.8	1362.4	1361.7	1364.5
7.5°	1365.9	1375.7	1397.4	1422.0	1421.3	1382.7	1349.8	1341.4	1341.4
10°	1326.0	1335.1	1358.9	1391.8	1391.1	1342.8	1306.4	1302.2	1302.9
12.5°	1290.3	1294.5	1306.4	1332.3	1332.3	1284.7	1256.7	1260.9	1266.5
15°	1251.7	1254.6	1251.7	1260.2	1256.7	1217.4	1203.4	1216.7	1225.1
17.5°	1197.1	1198.5	1183.8	1172.6	1159.3	1134.8	1138.3	1157.9	1160.0
20°	1120.8	1129.9	1103.2	1074.5	1061.9	1038.8	1058.4	1080.1	1078.7
22.5°	1036.7	1047.2	1012.9	965.3	939.3	930.2	965.3	984.9	984.2
25°	940.7	948.4	909.2	842.7	807.6	806.2	854.6	874.9	876.3
27.5°	832.9	835.7	791.5	704.7	661.2	671.8	732.7	760.7	764.2
30°	725.0	723.6	678.1	570.2	512.7	541.5	623.4	654.2	657.7
32.5°	626.2	622.0	570.2	441.3	372.7	415.4	523.3	555.5	561.1
35°	531.7	524.7	468.6	326.4	250.1	313.8	437.1	465.1	467.2
37.5°	432.9	429.4	385.3	244.5	174.4	238.2	356.5	376.9	374.8
40°	341.1	341.1	304.7	181.4	121.2	177.2	282.3	300.5	294.2
42.5°	267.6	271.1	240.3	133.8	86.2	131.7	223.5	240.3	233.3
45°	215.7	215.7	189.1	99.5	56.0	98.1	176.5	191.9	190.5
47.5°	182.8	180.0	153.4	72.8	30.8	73.5	148.5	167.4	166.7
50°	163.2	159.0	131.7	57.4	21.7	60.9	130.3	147.8	148.5
52.5°	147.8	141.5	118.4	51.1	18.9	53.2	118.4	132.4	132.4
55°	131.0	127.5	106.5	45.5	16.8	47.6	106.5	119.1	118.4
57.5°	110.7	110.0	95.3	41.3	15.4	42.0	95.3	103.0	100.2
60°	90.4	93.2	82.7	37.1	14.0	37.8	81.3	87.6	86.2
62.5°	75.7	79.2	72.1	32.9	11.9	33.6	68.6	75.0	73.5
65°	63.0	65.8	60.2	28.0	10.5	28.0	56.7	62.3	62.3
67.5°	51.8	53.9	49.7	23.1	9.1	23.1	46.2	51.1	51.8
70°	41.3	42.7	39.2	18.2	7.7	18.9	36.4	41.3	41.3
72.5°	32.2	32.9	30.8	14.7	7.0	14.7	28.0	32.2	32.2
75°	23.1	24.5	23.1	11.2	6.3	11.2	21.7	23.8	24.5
77.5°	13.3	16.8	16.8	9.1	4.9	8.4	15.4	16.1	16.1
80°	9.1	10.5	11.9	6.3	3.5	6.3	9.8	10.5	9.8
82.5°	6.3	7.0	7.0	4.2	2.8	4.2	6.3	7.0	6.3
85°	3.5	4.9	4.9	3.5	2.1	2.8	3.5	4.2	3.5
87.5°	2.1	2.8	3.5	2.8	2.1	2.1	2.1	2.1	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)