

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: P799393

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799393
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 EU6159040 6LBMDDWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

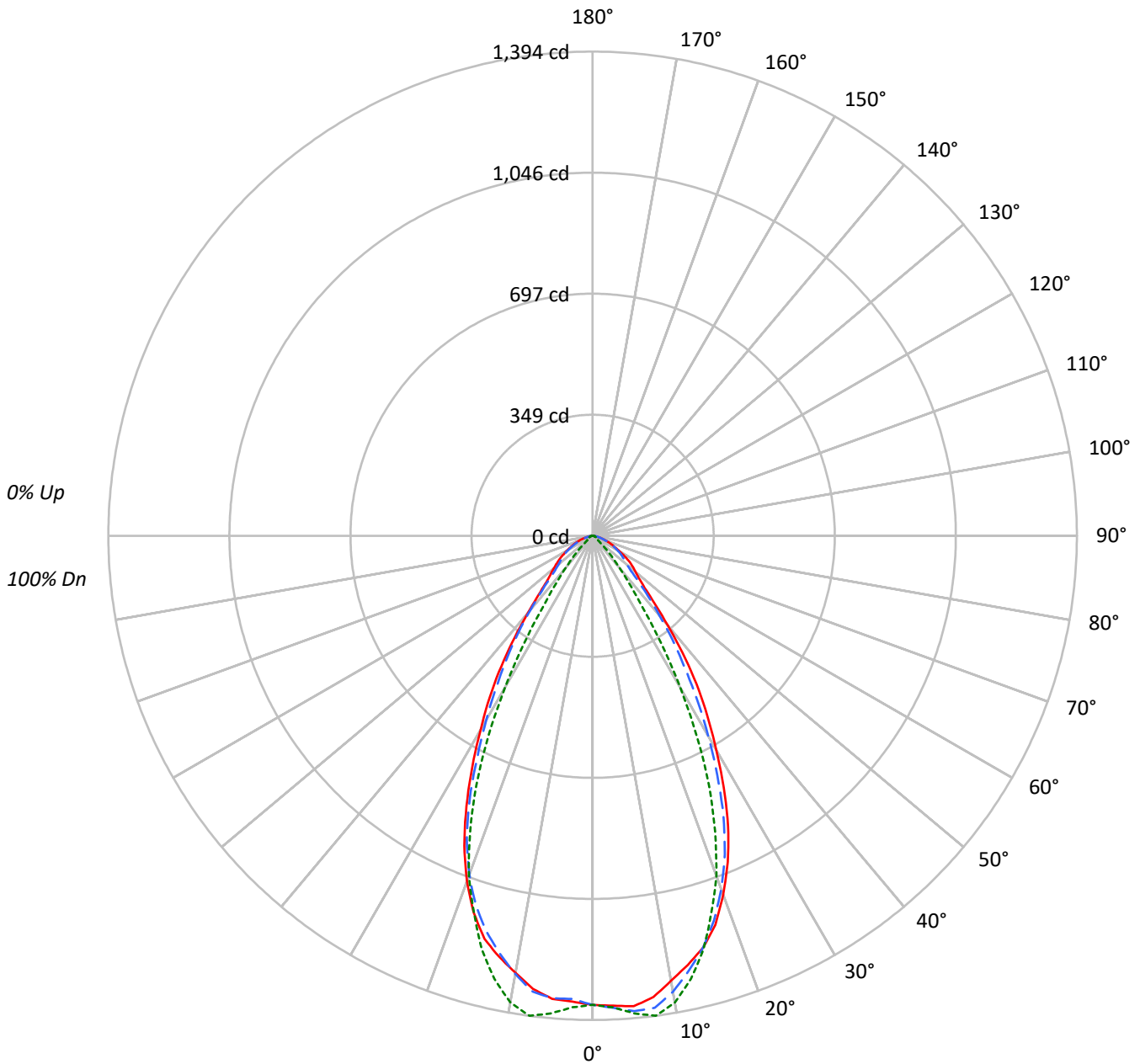
Lumens per Lamp: N/A
Luminaire Lumens: 1375.0 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799393

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDDWWMH

Luminous Intensity Polar Plot





TEST NUMBER: P799393

CATALOG NUMBER: LD6C15D010 EU6159040 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°	74040	74040	74040
5°	74813	75952	73641
10°	72393	75950	71130
15°	69671	69949	68190
20°	64126	60759	61722
25°	55806	47912	51983
30°	45007	31834	40835
35°	34894	16416	30664
40°	23945	8502	20646
45°	16405	4264	14490
50°	13654	1817	12418
55°	12282	1577	11096
60°	9714	1502	9265
65°	8016	1336	7926
70°	6491	1218	6491
75°	4808	1313	5083
80°	2810	1073	3031
85°	2139	1321	2139



TEST NUMBER: P799393

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDDWWMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	9.4
10°-20°	337.4	24.5
20°-30°	385.2	28.0
30°-40°	255.4	18.6
40°-50°	123.2	9.0
50°-60°	75.8	5.5
60°-70°	45.9	3.3
70°-80°	19.3	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°	851.2	61.9
0°-40°	1106.6	80.5
0°-60°	1305.6	95.0
0°-90°	1375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1375.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1351	1351	1351	1351	1351	
5°	1360	1374	1380	1336	1338	128
15°	1228	1228	1232	1180	1202	342
25°	923	892	792	838	859	418
35°	521	460	245	429	458	323
45°	212	186	55	173	187	173
55°	128	104	16	104	116	113
65°	62	59	10	56	61	62
75°	23	23	6	21	24	24
85°	3	5	2	3	3	4
90°	0	0	0	0	0	



TEST NUMBER: P799393

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDDWWMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1350.6	1350.6	1350.6	1350.6	1350.6	1350.6	1350.6	1350.6	1350.6
2.5°	1354.0	1356.1	1360.2	1360.9	1358.9	1345.8	1334.8	1338.9	1342.4
5°	1359.5	1363.7	1374.0	1383.6	1380.2	1358.2	1336.2	1335.5	1338.2
7.5°	1339.6	1349.2	1370.5	1394.6	1393.9	1356.1	1323.8	1315.6	1315.6
10°	1300.5	1309.4	1332.8	1365.0	1364.4	1317.0	1281.2	1277.1	1277.8
12.5°	1265.4	1269.5	1281.2	1306.6	1306.6	1259.9	1232.5	1236.6	1242.1
15°	1227.6	1230.4	1227.6	1235.9	1232.5	1194.0	1180.2	1193.3	1201.5
17.5°	1174.1	1175.4	1161.0	1150.0	1137.0	1112.9	1116.4	1135.6	1137.6
20°	1099.2	1108.1	1082.0	1053.8	1041.5	1018.8	1038.0	1059.3	1058.0
22.5°	1016.7	1027.0	993.4	946.7	921.2	912.3	946.7	965.9	965.2
25°	922.6	930.2	891.7	826.4	792.1	790.7	838.1	858.0	859.4
27.5°	816.8	819.6	776.3	691.1	648.5	658.8	718.6	746.1	749.5
30°	711.0	709.7	665.0	559.2	502.9	531.0	611.4	641.6	645.1
32.5°	614.2	610.0	559.2	432.8	365.5	407.4	513.2	544.8	550.3
35°	521.4	514.6	459.6	320.1	245.3	307.8	428.7	456.2	458.2
37.5°	424.6	421.1	377.8	239.8	171.1	233.6	349.7	369.6	367.5
40°	334.6	334.6	298.8	177.9	118.8	173.8	276.9	294.7	288.5
42.5°	262.4	265.9	235.6	131.2	84.5	129.2	219.1	235.6	228.8
45°	211.6	211.6	185.5	97.6	55.0	96.2	173.1	188.2	186.9
47.5°	179.3	176.6	150.4	71.4	30.2	72.1	145.6	164.2	163.5
50°	160.1	155.9	129.2	56.3	21.3	59.8	127.8	145.0	145.6
52.5°	145.0	138.8	116.1	50.1	18.5	52.2	116.1	129.8	129.8
55°	128.5	125.0	104.4	44.7	16.5	46.7	104.4	116.8	116.1
57.5°	108.5	107.9	93.4	40.5	15.1	41.2	93.4	101.0	98.2
60°	88.6	91.4	81.1	36.4	13.7	37.1	79.7	85.9	84.5
62.5°	74.2	77.6	70.8	32.3	11.7	33.0	67.3	73.5	72.1
65°	61.8	64.6	59.1	27.5	10.3	27.5	55.6	61.1	61.1
67.5°	50.8	52.9	48.8	22.7	8.9	22.7	45.3	50.1	50.8
70°	40.5	41.9	38.5	17.9	7.6	18.5	35.7	40.5	40.5
72.5°	31.6	32.3	30.2	14.4	6.9	14.4	27.5	31.6	31.6
75°	22.7	24.0	22.7	11.0	6.2	11.0	21.3	23.4	24.0
77.5°	13.1	16.5	16.5	8.9	4.8	8.2	15.1	15.8	15.8
80°	8.9	10.3	11.7	6.2	3.4	6.2	9.6	10.3	9.6
82.5°	6.2	6.9	6.9	4.1	2.7	4.1	6.2	6.9	6.2
85°	3.4	4.8	4.8	3.4	2.1	2.7	3.4	4.1	3.4
87.5°	2.1	2.7	3.4	2.7	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)