

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: P799398

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799398
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 6LBMDSWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

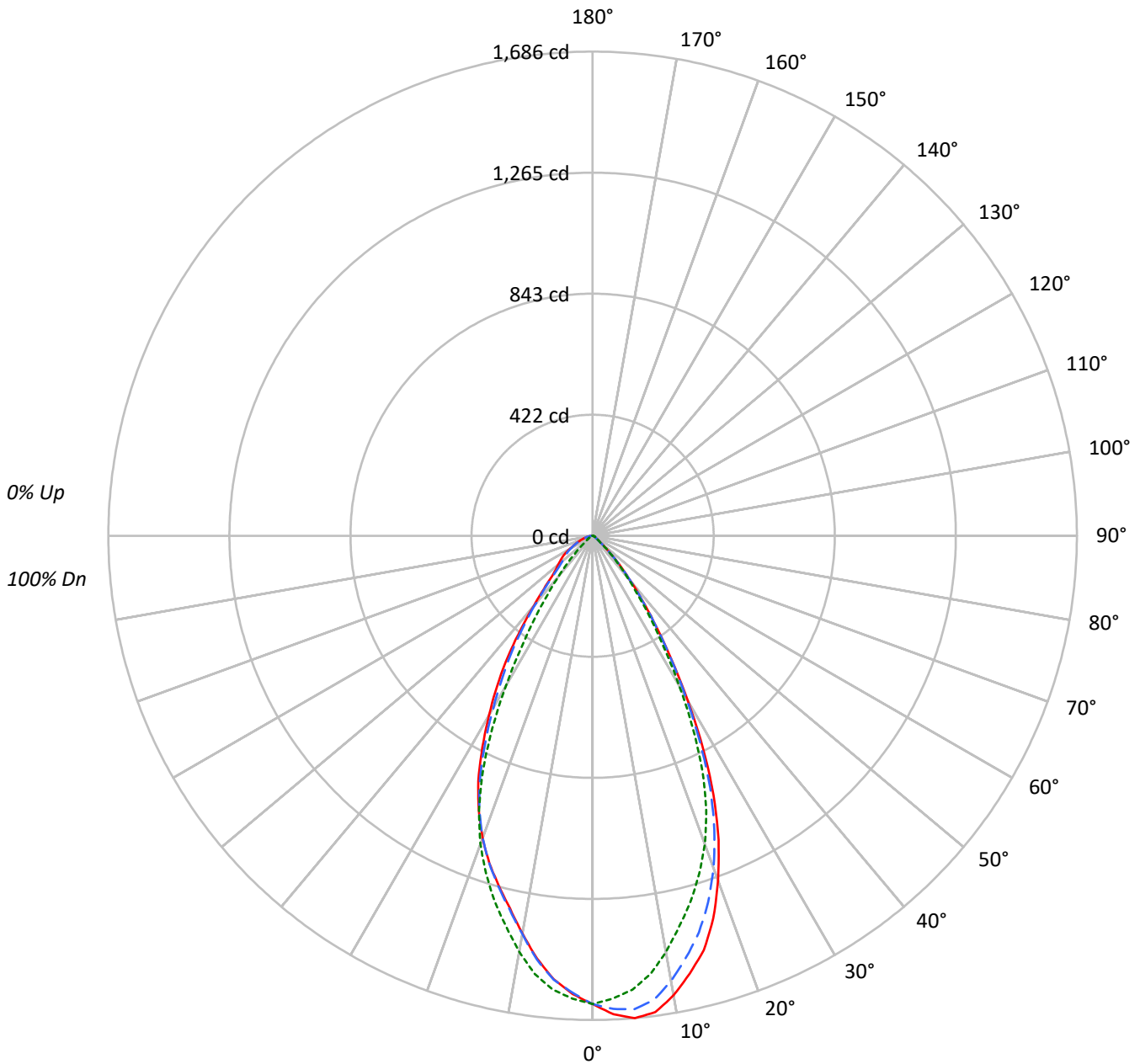
Lumens per Lamp: N/A
Luminaire Lumens: 1404.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799398

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDSWWH

Luminous Intensity Polar Plot





TEST NUMBER: P799398

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDSWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	89395	89395	89395
5°	92796	87299	85323
10°	90424	81884	78283
15°	84802	74824	71590
20°	74451	66611	65339
25°	60215	54723	56979
30°	41861	38120	45602
35°	25799	23349	34419
40°	14599	13089	22857
45°	7094	6760	15599
50°	2704	2704	13262
55°	1481	1749	12234
60°	1074	1392	10032
65°	908	1180	8211
70°	785	1010	6764
75°	741	1038	5804
80°	442	884	4230
85°	440	1761	3963



TEST NUMBER: P799398

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDSWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	10.6
10°-20°	375.2	26.7
20°-30°	422.4	30.1
30°-40°	261.5	18.6
40°-50°	104.2	7.4
50°-60°	47.4	3.4
60°-70°	27.2	1.9
70°-80°	12.9	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°	946.9	67.4
0°-40°	1208.4	86.1
0°-60°	1360.0	96.9
0°-90°	1404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1404.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1631	1631	1631	1631	1631	
5°	1686	1655	1586	1552	1550	159
15°	1494	1430	1318	1265	1261	413
25°	996	969	905	927	942	447
35°	386	383	349	486	514	248
45°	92	92	87	190	201	77
55°	16	15	18	113	128	15
65°	7	6	9	63	63	7
75°	4	4	5	27	27	4
85°	1	1	3	6	6	1
90°	0	0	0	0	0	



TEST NUMBER: P799398

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1630.7	1630.7	1630.7	1630.7	1630.7	1630.7	1630.7	1630.7	1630.7
2.5°	1668.0	1652.5	1649.0	1635.7	1613.1	1600.5	1592.7	1587.1	1597.0
5°	1686.3	1669.4	1655.4	1627.9	1586.4	1563.2	1551.9	1542.8	1550.5
7.5°	1672.9	1649.0	1630.0	1592.0	1539.3	1503.4	1487.9	1477.4	1484.4
10°	1624.4	1595.6	1573.7	1528.7	1471.0	1428.1	1409.1	1399.3	1406.3
12.5°	1561.1	1537.2	1504.1	1454.9	1392.9	1347.9	1333.8	1326.1	1328.9
15°	1494.2	1466.1	1429.5	1380.3	1318.4	1273.3	1264.9	1260.0	1261.4
17.5°	1397.2	1369.7	1338.1	1290.2	1233.2	1196.7	1196.7	1193.1	1195.3
20°	1276.2	1261.4	1230.4	1190.3	1141.8	1108.7	1119.3	1115.8	1120.0
22.5°	1145.3	1134.1	1107.3	1074.3	1033.5	1007.4	1030.6	1029.9	1035.6
25°	995.5	987.0	968.7	940.6	904.7	888.5	927.2	927.2	942.0
27.5°	830.1	821.7	809.0	785.1	755.6	750.6	807.6	814.7	830.8
30°	661.3	655.7	648.6	626.8	602.2	611.3	690.1	702.1	720.4
32.5°	510.7	507.2	505.1	485.4	463.6	493.9	583.9	599.4	617.7
35°	385.5	377.8	383.4	368.6	348.9	386.9	486.1	499.5	514.3
37.5°	284.2	278.6	283.5	273.0	255.4	296.9	390.4	398.9	408.7
40°	204.0	199.1	203.3	197.0	182.9	221.6	306.0	315.2	319.4
42.5°	144.9	136.5	140.7	135.8	128.7	166.7	240.6	249.0	250.4
45°	91.5	88.6	91.5	88.6	87.2	123.8	189.9	197.7	201.2
47.5°	55.6	52.1	52.1	50.7	52.1	91.5	156.9	168.1	173.8
50°	31.7	30.3	29.5	28.8	31.7	71.8	135.8	148.4	155.5
52.5°	21.1	20.4	20.4	19.7	23.2	60.5	122.4	133.7	140.7
55°	15.5	14.8	14.8	14.8	18.3	52.1	112.6	121.7	128.0
57.5°	12.0	12.0	12.0	11.3	15.5	44.3	100.6	105.5	110.5
60°	9.8	9.1	9.1	9.1	12.7	38.0	86.5	88.6	91.5
62.5°	7.7	7.7	7.7	7.7	10.6	33.8	74.6	74.6	76.0
65°	7.0	6.3	6.3	6.3	9.1	29.5	62.6	61.9	63.3
67.5°	5.6	5.6	5.6	5.6	7.7	25.3	51.4	50.7	52.1
70°	4.9	4.9	4.9	4.9	6.3	21.1	41.5	40.8	42.2
72.5°	4.2	4.2	4.2	4.2	5.6	17.6	33.1	33.1	33.8
75°	3.5	3.5	3.5	3.5	4.9	13.4	26.7	26.7	27.4
77.5°	2.8	2.8	2.8	2.8	3.5	10.6	20.4	19.7	19.7
80°	1.4	2.1	2.1	2.1	2.8	7.7	14.8	13.4	13.4
82.5°	0.7	1.4	1.4	1.4	2.8	5.6	9.8	9.1	9.1
85°	0.7	0.7	0.7	2.1	2.8	4.2	6.3	6.3	6.3
87.5°	0.0	0.7	1.4	2.8	3.5	3.5	4.2	3.5	3.5
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)