

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: P799375

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799375
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 EU6159030 6LBMDSWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

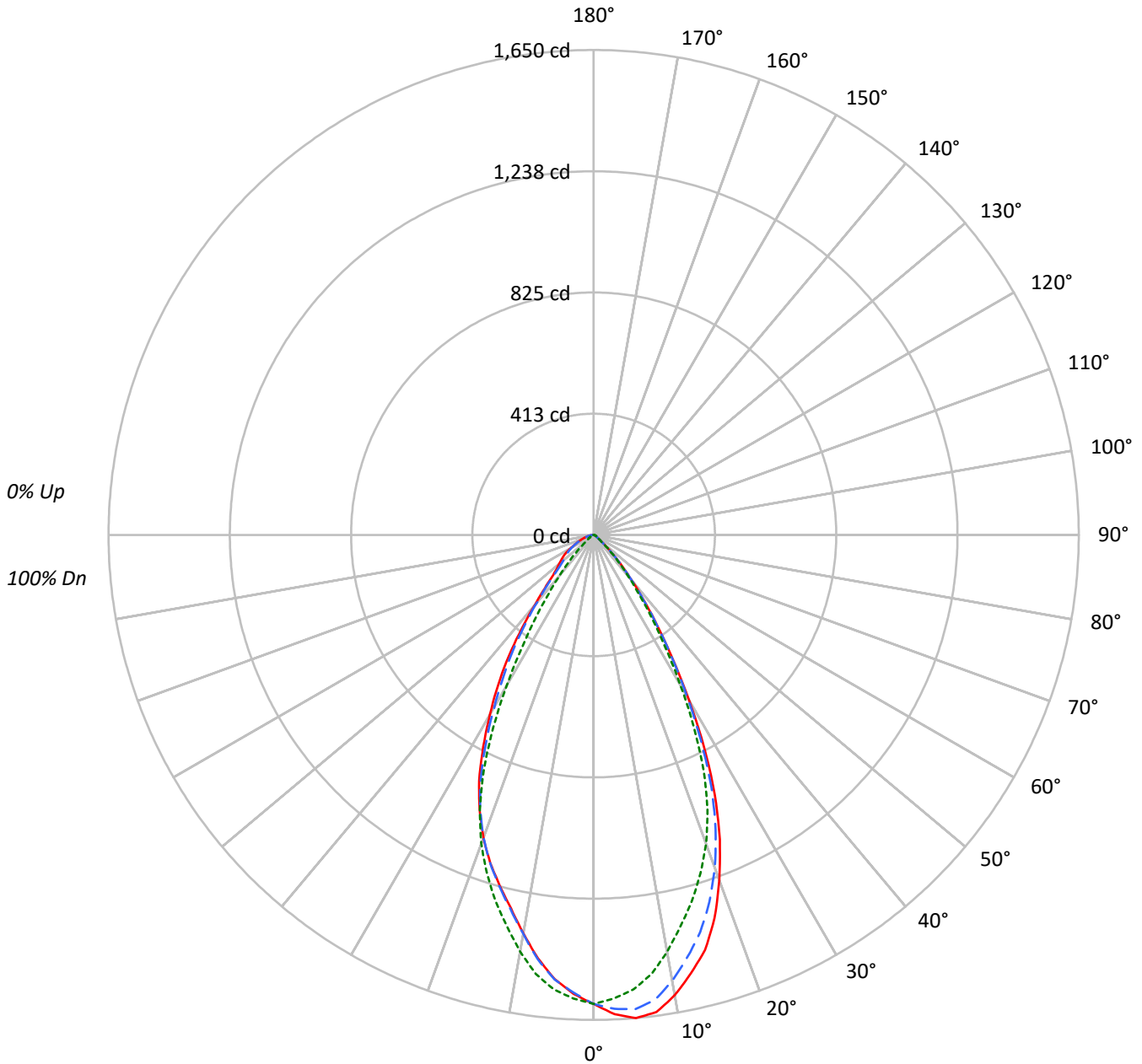
Lumens per Lamp: N/A
Luminaire Lumens: 1374.0 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799375

CATALOG NUMBER: LD6C15D010 EU6159030 6LBMDSWWMH

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	57	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°	87488	87488	87488
5°	90815	85433	83502
10°	88492	80137	76613
15°	82991	73224	70057
20°	72859	65187	63945
25°	58927	53556	55763
30°	40968	37303	44627
35°	25250	22854	33682
40°	14291	12810	22370
45°	6939	6621	15265
50°	2644	2644	12980
55°	1443	1711	11976
60°	1053	1360	9813
65°	895	1167	8042
70°	769	994	6620
75°	720	1017	5698
80°	442	884	4136
85°	440	1761	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	10.6
10°-20°	367.2	26.7
20°-30°	413.4	30.1
30°-40°	256.0	18.6
40°-50°	101.9	7.4
50°-60°	46.4	3.4
60°-70°	26.7	1.9
70°-80°	12.7	0.9
80°-90°	3.7	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°	926.7	67.4
0°-40°	1182.6	86.1
0°-60°	1331.0	96.9
0°-90°	1374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1374.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1596	1596	1596	1596	1596	
5°	1650	1620	1552	1519	1517	155
15°	1462	1399	1290	1238	1234	405
25°	974	948	885	907	922	438
35°	377	375	342	476	503	242
45°	90	90	85	186	197	76
55°	15	14	18	110	125	15
65°	7	6	9	61	62	7
75°	3	3	5	26	27	4
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°	1595.9	1595.9	1595.9	1595.9	1595.9	1595.9	1595.9	1595.9	1595.9
2.5°	1632.4	1617.2	1613.8	1600.7	1578.7	1566.3	1558.7	1553.2	1562.8
5°	1650.3	1633.7	1620.0	1593.1	1552.5	1529.8	1518.8	1509.8	1517.4
7.5°	1637.2	1613.8	1595.2	1558.0	1506.4	1471.3	1456.1	1445.8	1452.7
10°	1589.7	1561.5	1540.1	1496.1	1439.6	1397.6	1379.0	1369.4	1376.3
12.5°	1527.7	1504.3	1472.0	1423.8	1363.2	1319.1	1305.3	1297.8	1300.5
15°	1462.3	1434.8	1399.0	1350.8	1290.2	1246.1	1237.9	1233.1	1234.4
17.5°	1367.3	1340.5	1309.5	1262.7	1206.9	1171.1	1171.1	1167.7	1169.7
20°	1248.9	1234.4	1204.1	1164.9	1117.4	1085.0	1095.4	1091.9	1096.1
22.5°	1120.8	1109.8	1083.7	1051.3	1011.4	985.9	1008.6	1007.9	1013.4
25°	974.2	965.9	948.0	920.5	885.4	869.5	907.4	907.4	921.9
27.5°	812.4	804.1	791.7	768.3	739.4	734.6	790.4	797.3	813.1
30°	647.2	641.7	634.8	613.4	589.3	598.3	675.4	687.1	705.0
32.5°	499.8	496.4	494.3	475.0	453.7	483.3	571.4	586.6	604.5
35°	377.3	369.7	375.2	360.8	341.5	378.7	475.7	488.8	503.3
37.5°	278.1	272.6	277.5	267.1	249.9	290.5	382.1	390.4	400.0
40°	199.7	194.8	199.0	192.8	179.0	216.9	299.5	308.4	312.6
42.5°	141.8	133.6	137.7	132.9	126.0	163.2	235.5	243.7	245.1
45°	89.5	86.7	89.5	86.7	85.4	121.2	185.9	193.5	196.9
47.5°	54.4	50.9	50.9	49.6	50.9	89.5	153.5	164.5	170.1
50°	31.0	29.6	28.9	28.2	31.0	70.2	132.9	145.3	152.2
52.5°	20.7	20.0	20.0	19.3	22.7	59.2	119.8	130.8	137.7
55°	15.1	14.5	14.5	14.5	17.9	50.9	110.2	119.1	125.3
57.5°	11.7	11.7	11.7	11.0	15.1	43.4	98.5	103.3	108.1
60°	9.6	9.0	9.0	9.0	12.4	37.2	84.7	86.7	89.5
62.5°	7.6	7.6	7.6	7.6	10.3	33.0	73.0	73.0	74.4
65°	6.9	6.2	6.2	6.2	9.0	28.9	61.3	60.6	62.0
67.5°	5.5	5.5	5.5	5.5	7.6	24.8	50.3	49.6	50.9
70°	4.8	4.8	4.8	4.8	6.2	20.7	40.6	39.9	41.3
72.5°	4.1	4.1	4.1	4.1	5.5	17.2	32.4	32.4	33.0
75°	3.4	3.4	3.4	3.4	4.8	13.1	26.2	26.2	26.9
77.5°	2.8	2.8	2.8	2.8	3.4	10.3	20.0	19.3	19.3
80°	1.4	2.1	2.1	2.1	2.8	7.6	14.5	13.1	13.1
82.5°	0.7	1.4	1.4	1.4	2.8	5.5	9.6	9.0	9.0
85°	0.7	0.7	0.7	2.1	2.8	4.1	6.2	6.2	6.2
87.5°	0.0	0.7	1.4	2.8	3.4	3.4	4.1	3.4	3.4
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)