

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: P799408

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDSWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799408
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 EU6159050 6LBMDSWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

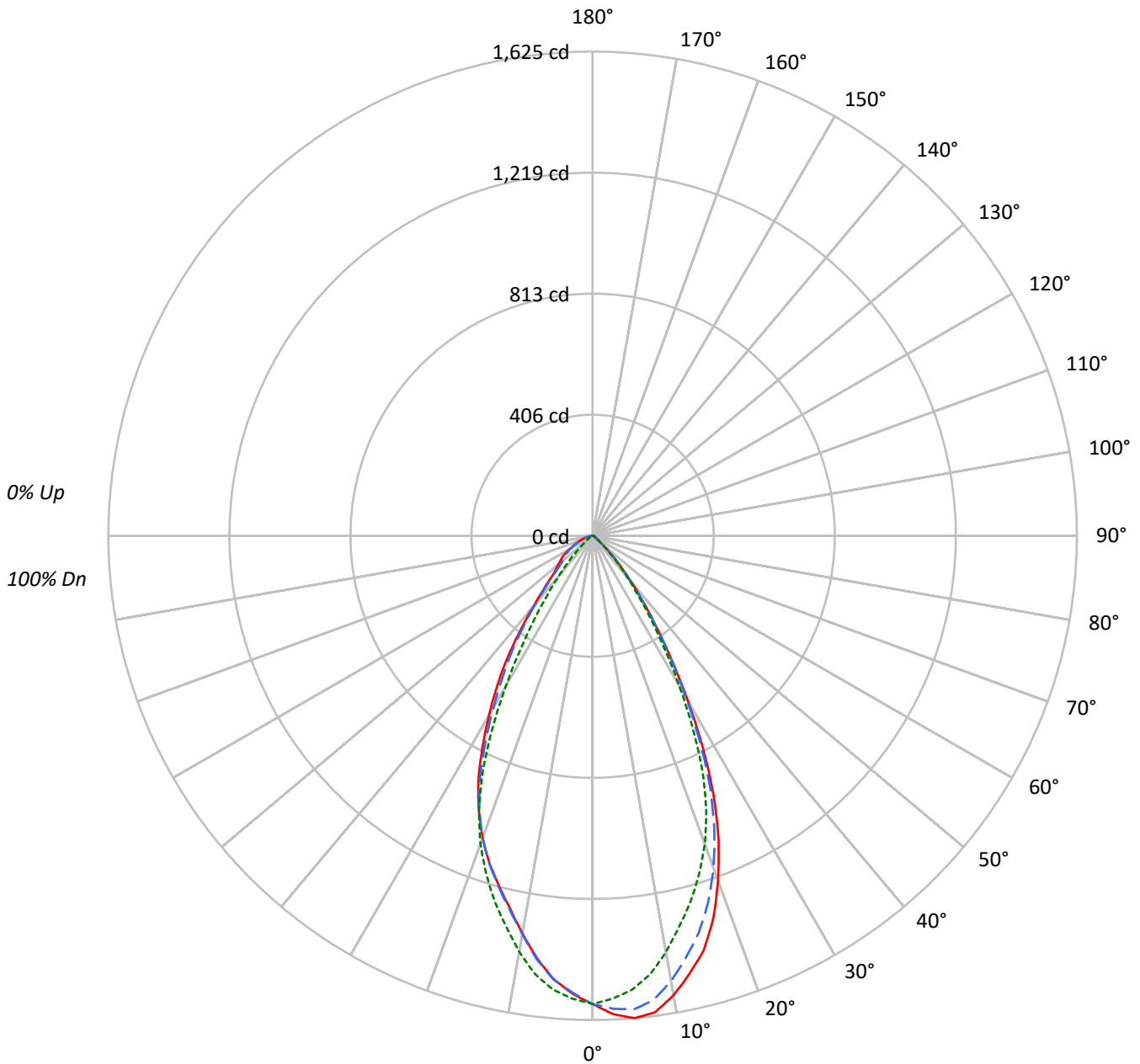
Lumens per Lamp: N/A
Luminaire Lumens: 1353.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799408

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P799408

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDSWLI

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	58	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°	86150	86150	86150
5°	89429	84129	82225
10°	87139	78912	75438
15°	81726	72106	68990
20°	71745	64190	62965
25°	58026	52733	54910
30°	40342	36734	43943
35°	24862	22506	33167
40°	14069	12616	22027
45°	6830	6520	15033
50°	2601	2601	12776
55°	1424	1682	11794
60°	1042	1338	9659
65°	882	1141	7913
70°	753	978	6524
75°	720	996	5592
80°	442	852	4072
85°	440	1698	3837



TEST NUMBER: P799408

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	10.6
10°-20°	361.6	26.7
20°-30°	407.0	30.1
30°-40°	252.1	18.6
40°-50°	100.4	7.4
50°-60°	45.7	3.4
60°-70°	26.3	1.9
70°-80°	12.5	0.9
80°-90°	3.6	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°	912.5	67.4
0°-40°	1164.6	86.1
0°-60°	1310.6	96.9
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°	1572	1572	1572	1572	1572	
5°	1625	1595	1529	1496	1494	153
15°	1440	1378	1270	1219	1216	398
25°	959	934	872	894	908	431
35°	372	370	336	468	496	239
45°	88	88	84	183	194	75
55°	15	14	18	108	123	15
65°	7	6	9	60	61	7
75°	3	3	5	26	26	3
85°	1	1	3	6	6	1
90°	0	0	0	0	0	



TEST NUMBER: P799408

CATALOG NUMBER: LD6C15D010 EU6159050 6LBMDSWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1571.5	1571.5	1571.5	1571.5	1571.5	1571.5	1571.5	1571.5	1571.5
2.5°	1607.4	1592.5	1589.1	1576.2	1554.5	1542.3	1534.9	1529.5	1539.0
5°	1625.1	1608.8	1595.2	1568.8	1528.8	1506.4	1495.6	1486.7	1494.2
7.5°	1612.2	1589.1	1570.8	1534.2	1483.4	1448.8	1433.9	1423.7	1430.5
10°	1565.4	1537.6	1516.6	1473.2	1417.6	1376.2	1357.9	1348.4	1355.2
12.5°	1504.4	1481.3	1449.5	1402.0	1342.3	1299.0	1285.4	1277.9	1280.7
15°	1440.0	1412.9	1377.6	1330.1	1270.5	1227.1	1219.0	1214.2	1215.6
17.5°	1346.4	1320.0	1289.5	1243.4	1188.4	1153.2	1153.2	1149.8	1151.8
20°	1229.8	1215.6	1185.7	1147.1	1100.3	1068.5	1078.6	1075.2	1079.3
22.5°	1103.7	1092.9	1067.1	1035.2	995.9	970.8	993.2	992.5	997.9
25°	959.3	951.2	933.5	906.4	871.8	856.3	893.5	893.5	907.8
27.5°	800.0	791.8	779.6	756.6	728.1	723.4	778.3	785.1	800.7
30°	637.3	631.9	625.1	604.1	580.3	589.1	665.1	676.6	694.2
32.5°	492.2	488.8	486.8	467.8	446.8	475.9	562.7	577.6	595.2
35°	371.5	364.1	369.5	355.2	336.3	372.9	468.5	481.3	495.6
37.5°	273.9	268.5	273.2	263.0	246.1	286.1	376.3	384.4	393.9
40°	196.6	191.9	195.9	189.8	176.3	213.6	294.9	303.7	307.8
42.5°	139.7	131.5	135.6	130.8	124.1	160.7	231.9	240.0	241.4
45°	88.1	85.4	88.1	85.4	84.1	119.3	183.0	190.5	193.9
47.5°	53.6	50.2	50.2	48.8	50.2	88.1	151.2	162.0	167.5
50°	30.5	29.2	28.5	27.8	30.5	69.2	130.8	143.0	149.8
52.5°	20.3	19.7	19.7	19.0	22.4	58.3	118.0	128.8	135.6
55°	14.9	14.2	14.2	14.2	17.6	50.2	108.5	117.3	123.4
57.5°	11.5	11.5	11.5	10.8	14.9	42.7	96.9	101.7	106.4
60°	9.5	8.8	8.8	8.8	12.2	36.6	83.4	85.4	88.1
62.5°	7.5	7.5	7.5	7.5	10.2	32.5	71.9	71.9	73.2
65°	6.8	6.1	6.1	6.1	8.8	28.5	60.3	59.7	61.0
67.5°	5.4	5.4	5.4	5.4	7.5	24.4	49.5	48.8	50.2
70°	4.7	4.7	4.7	4.7	6.1	20.3	40.0	39.3	40.7
72.5°	4.1	4.1	4.1	4.1	5.4	16.9	31.9	31.9	32.5
75°	3.4	3.4	3.4	3.4	4.7	12.9	25.8	25.8	26.4
77.5°	2.7	2.7	2.7	2.7	3.4	10.2	19.7	19.0	19.0
80°	1.4	2.0	2.0	2.0	2.7	7.5	14.2	12.9	12.9
82.5°	0.7	1.4	1.4	1.4	2.7	5.4	9.5	8.8	8.8
85°	0.7	0.7	0.7	2.0	2.7	4.1	6.1	6.1	6.1
87.5°	0.0	0.7	1.4	2.7	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)