

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: P799406

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799406
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 6LBMDSWGPH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

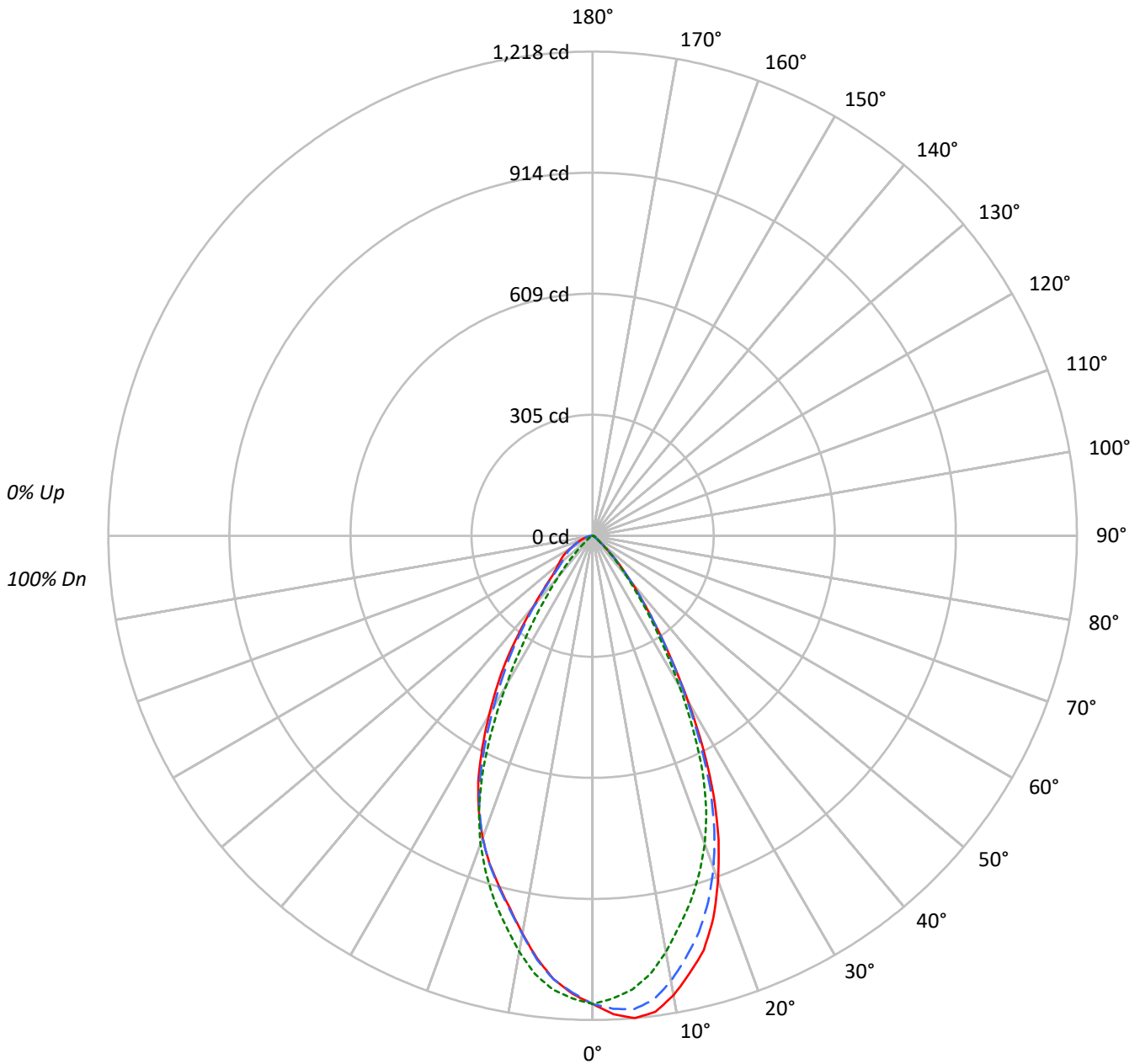
Lumens per Lamp: N/A
Luminaire Lumens: 1014.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	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°	64562	64562	64562
5°	67021	63047	61622
10°	65307	59139	56540
15°	61249	54041	51703
20°	53771	48106	47190
25°	43484	39522	41150
30°	30232	27530	32935
35°	18631	16865	24855
40°	10541	9453	16510
45°	5125	4884	11265
50°	1953	1953	9578
55°	1070	1262	8841
60°	778	998	7247
65°	662	856	5928
70°	577	737	4889
75°	530	763	4194
80°	316	631	3062
85°	314	1258	2893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	10.6
10°-20°	271.0	26.7
20°-30°	305.1	30.1
30°-40°	188.9	18.6
40°-50°	75.2	7.4
50°-60°	34.2	3.4
60°-70°	19.7	1.9
70°-80°	9.3	0.9
80°-90°	2.7	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°	683.9	67.4
0°-40°	872.8	86.1
0°-60°	982.2	96.9
0°-90°	1014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1178	1178	1178	1178	1178	
5°	1218	1196	1146	1121	1120	115
15°	1079	1032	952	914	911	299
25°	719	700	653	670	680	323
35°	278	277	252	351	371	179
45°	66	66	63	137	145	56
55°	11	11	13	81	92	11
65°	5	5	7	45	46	5
75°	2	2	4	19	20	3
85°	0	0	2	5	5	0
90°	0	0	0	0	0	



TEST NUMBER: P799406

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7
2.5°	1204.7	1193.5	1191.0	1181.3	1165.0	1155.9	1150.3	1146.2	1153.4
5°	1217.9	1205.7	1195.5	1175.7	1145.7	1129.0	1120.8	1114.2	1119.8
7.5°	1208.2	1191.0	1177.2	1149.8	1111.7	1085.8	1074.6	1067.0	1072.1
10°	1173.2	1152.3	1136.6	1104.1	1062.4	1031.4	1017.7	1010.6	1015.7
12.5°	1127.4	1110.2	1086.3	1050.7	1006.0	973.5	963.3	957.7	959.8
15°	1079.2	1058.9	1032.4	996.9	952.2	919.6	913.5	910.0	911.0
17.5°	1009.1	989.2	966.4	931.8	890.7	864.3	864.3	861.7	863.2
20°	921.7	911.0	888.6	859.7	824.6	800.7	808.4	805.8	808.9
22.5°	827.2	819.0	799.7	775.9	746.4	727.6	744.3	743.8	747.9
25°	718.9	712.8	699.6	679.3	653.4	641.7	669.7	669.7	680.3
27.5°	599.5	593.4	584.3	567.0	545.7	542.1	583.3	588.4	600.1
30°	477.6	473.5	468.5	452.7	434.9	441.5	498.4	507.1	520.3
32.5°	368.9	366.3	364.8	350.6	334.8	356.7	421.7	432.9	446.1
35°	278.4	272.8	276.9	266.2	252.0	279.4	351.1	360.7	371.4
37.5°	205.3	201.2	204.8	197.1	184.4	214.4	282.0	288.1	295.2
40°	147.3	143.8	146.8	142.3	132.1	160.0	221.0	227.6	230.7
42.5°	104.7	98.6	101.6	98.1	93.0	120.4	173.8	179.9	180.9
45°	66.1	64.0	66.1	64.0	63.0	89.4	137.2	142.8	145.3
47.5°	40.1	37.6	37.6	36.6	37.6	66.1	113.3	121.4	125.5
50°	22.9	21.8	21.3	20.8	22.9	51.8	98.1	107.2	112.3
52.5°	15.2	14.7	14.7	14.2	16.8	43.7	88.4	96.5	101.6
55°	11.2	10.7	10.7	10.7	13.2	37.6	81.3	87.9	92.5
57.5°	8.6	8.6	8.6	8.1	11.2	32.0	72.7	76.2	79.8
60°	7.1	6.6	6.6	6.6	9.1	27.4	62.5	64.0	66.1
62.5°	5.6	5.6	5.6	5.6	7.6	24.4	53.9	53.9	54.9
65°	5.1	4.6	4.6	4.6	6.6	21.3	45.2	44.7	45.7
67.5°	4.1	4.1	4.1	4.1	5.6	18.3	37.1	36.6	37.6
70°	3.6	3.6	3.6	3.6	4.6	15.2	30.0	29.5	30.5
72.5°	3.0	3.0	3.0	3.0	4.1	12.7	23.9	23.9	24.4
75°	2.5	2.5	2.5	2.5	3.6	9.7	19.3	19.3	19.8
77.5°	2.0	2.0	2.0	2.0	2.5	7.6	14.7	14.2	14.2
80°	1.0	1.5	1.5	1.5	2.0	5.6	10.7	9.7	9.7
82.5°	0.5	1.0	1.0	1.0	2.0	4.1	7.1	6.6	6.6
85°	0.5	0.5	0.5	1.5	2.0	3.0	4.6	4.6	4.6
87.5°	0.0	0.5	1.0	2.0	2.5	2.5	3.0	2.5	2.5
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)