

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: P799372

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799372
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 6LBMDSWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

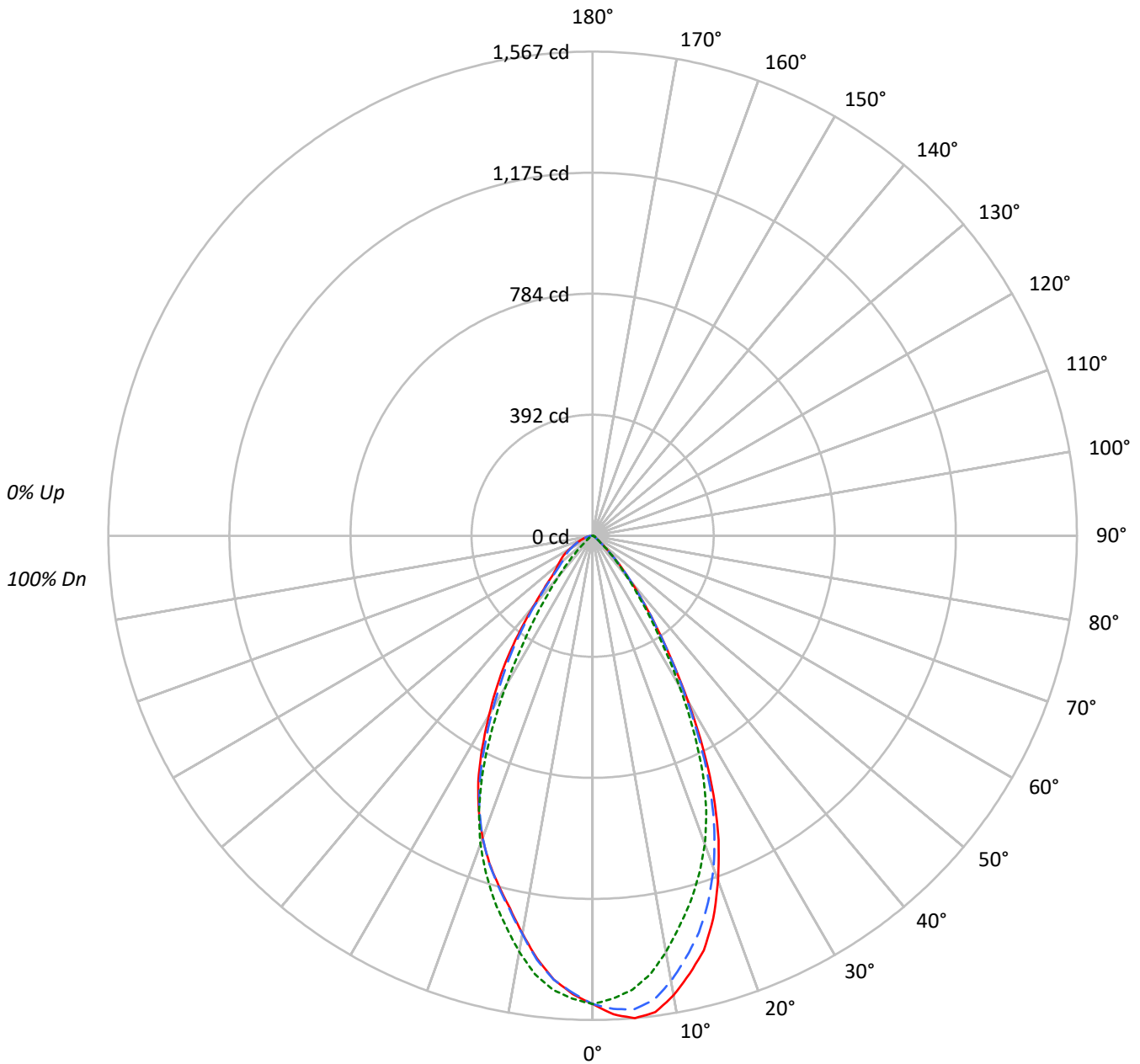
Lumens per Lamp: N/A
Luminaire Lumens: 1305.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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°	83091	83091	83091
5°	86253	81141	79309
10°	84050	76112	72761
15°	78826	69546	66538
20°	69201	61915	60730
25°	55969	50864	52963
30°	38911	35430	42386
35°	23979	21703	31989
40°	13568	12166	21247
45°	6590	6287	14498
50°	2507	2507	12324
55°	1376	1625	11374
60°	1009	1294	9319
65°	843	1103	7640
70°	737	946	6283
75°	699	974	5401
80°	410	821	3915
85°	440	1635	3711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	10.6
10°-20°	348.8	26.7
20°-30°	392.6	30.1
30°-40°	243.1	18.6
40°-50°	96.8	7.4
50°-60°	44.1	3.4
60°-70°	25.3	1.9
70°-80°	12.0	0.9
80°-90°	3.5	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°	880.1	67.4
0°-40°	1123.2	86.1
0°-60°	1264.1	96.9
0°-90°	1305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1305.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1516	1516	1516	1516	1516	
5°	1567	1539	1474	1442	1441	148
15°	1389	1329	1225	1176	1172	384
25°	925	900	841	862	876	416
35°	358	356	324	452	478	230
45°	85	85	81	177	187	72
55°	14	14	17	105	119	14
65°	6	6	8	58	59	6
75°	3	3	5	25	26	3
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°	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7
2.5°	1550.4	1536.0	1532.7	1520.3	1499.4	1487.6	1480.4	1475.2	1484.4
5°	1567.4	1551.7	1538.6	1513.1	1474.5	1453.0	1442.5	1434.0	1441.2
7.5°	1555.0	1532.7	1515.1	1479.8	1430.7	1397.4	1383.0	1373.2	1379.7
10°	1509.9	1483.0	1462.8	1420.9	1367.3	1327.4	1309.8	1300.6	1307.1
12.5°	1451.0	1428.8	1398.0	1352.3	1294.7	1252.9	1239.8	1232.6	1235.2
15°	1388.9	1362.7	1328.7	1283.0	1225.4	1183.6	1175.7	1171.1	1172.4
17.5°	1298.6	1273.1	1243.7	1199.3	1146.3	1112.3	1112.3	1109.0	1111.0
20°	1186.2	1172.4	1143.7	1106.4	1061.3	1030.5	1040.4	1037.1	1041.0
22.5°	1064.5	1054.1	1029.2	998.5	960.6	936.4	958.0	957.3	962.5
25°	925.3	917.4	900.4	874.3	840.9	825.9	861.8	861.8	875.6
27.5°	771.6	763.8	752.0	729.8	702.3	697.7	750.7	757.2	772.3
30°	614.7	609.4	602.9	582.6	559.7	568.2	641.5	652.6	669.6
32.5°	474.7	471.5	469.5	451.2	430.9	459.0	542.7	557.1	574.1
35°	358.3	351.1	356.4	342.6	324.3	359.6	451.8	464.3	478.0
37.5°	264.2	258.9	263.5	253.7	237.4	275.9	362.9	370.8	379.9
40°	189.6	185.1	189.0	183.1	170.0	206.0	284.4	292.9	296.9
42.5°	134.7	126.9	130.8	126.2	119.7	155.0	223.6	231.5	232.8
45°	85.0	82.4	85.0	82.4	81.1	115.1	176.6	183.7	187.0
47.5°	51.7	48.4	48.4	47.1	48.4	85.0	145.8	156.3	161.5
50°	29.4	28.1	27.5	26.8	29.4	66.7	126.2	138.0	144.5
52.5°	19.6	19.0	19.0	18.3	21.6	56.2	113.8	124.2	130.8
55°	14.4	13.7	13.7	13.7	17.0	48.4	104.6	113.1	119.0
57.5°	11.1	11.1	11.1	10.5	14.4	41.2	93.5	98.1	102.7
60°	9.2	8.5	8.5	8.5	11.8	35.3	80.4	82.4	85.0
62.5°	7.2	7.2	7.2	7.2	9.8	31.4	69.3	69.3	70.6
65°	6.5	5.9	5.9	5.9	8.5	27.5	58.2	57.5	58.9
67.5°	5.2	5.2	5.2	5.2	7.2	23.5	47.7	47.1	48.4
70°	4.6	4.6	4.6	4.6	5.9	19.6	38.6	37.9	39.2
72.5°	3.9	3.9	3.9	3.9	5.2	16.3	30.7	30.7	31.4
75°	3.3	3.3	3.3	3.3	4.6	12.4	24.8	24.8	25.5
77.5°	2.6	2.6	2.6	2.6	3.3	9.8	19.0	18.3	18.3
80°	1.3	2.0	2.0	2.0	2.6	7.2	13.7	12.4	12.4
82.5°	0.7	1.3	1.3	1.3	2.6	5.2	9.2	8.5	8.5
85°	0.7	0.7	0.7	2.0	2.6	3.9	5.9	5.9	5.9
87.5°	0.0	0.7	1.3	2.6	3.3	3.3	3.9	3.3	3.3
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)