

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: P799357

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C15D010 EU6159027 6LBMDDWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

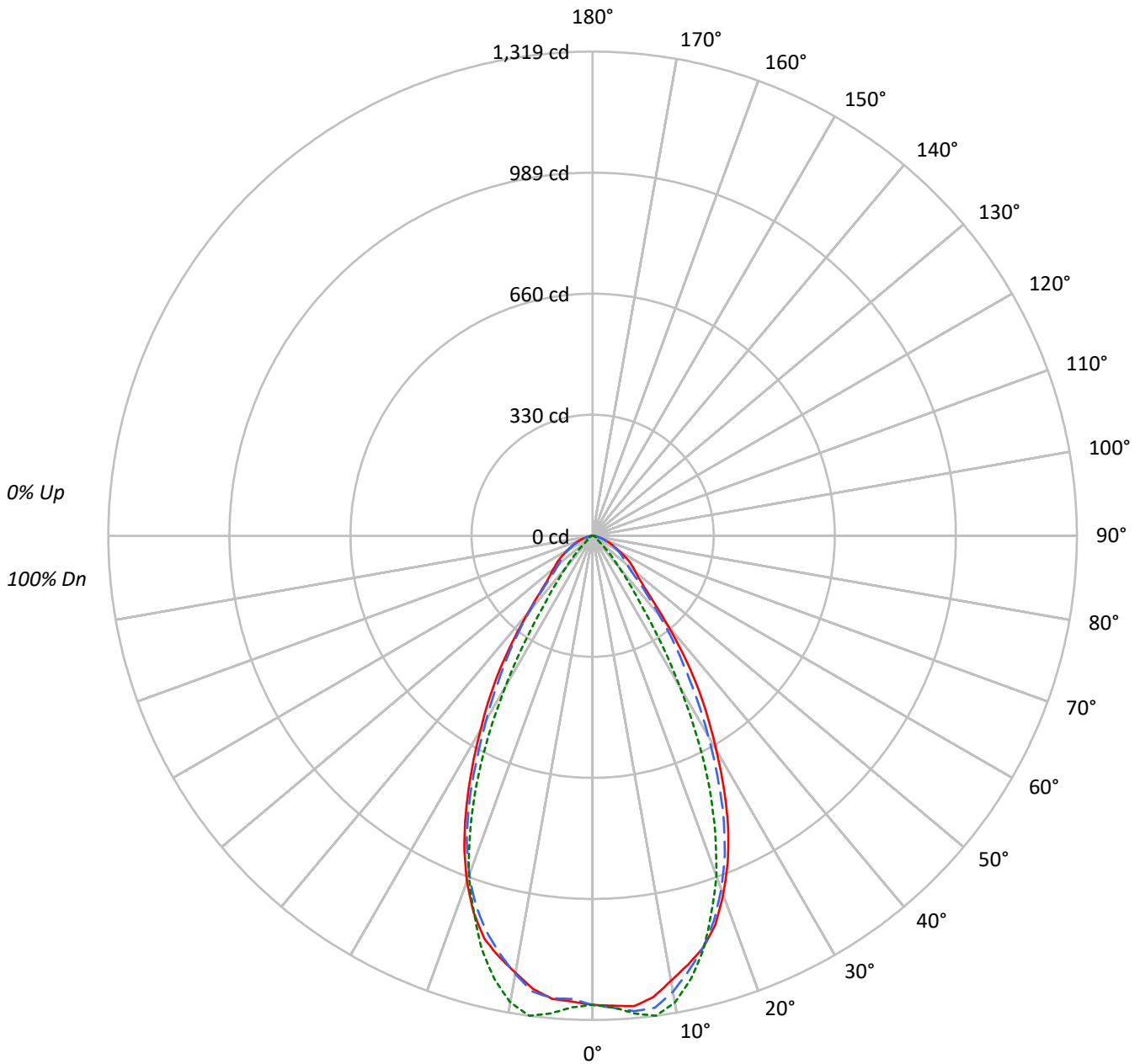
Lumens per Lamp: N/A
Luminaire Lumens: 1301.1 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	70055	70055	70055
5°	70790	71863	69678
10°	68497	71859	67300
15°	65925	66181	64524
20°	60672	57487	58397
25°	52805	45335	49188
30°	42589	30119	38639
35°	33020	15533	29018
40°	22657	8051	19537
45°	15521	4031	13707
50°	12921	1723	11752
55°	11622	1491	10504
60°	9199	1425	8771
65°	7588	1271	7511
70°	6155	1154	6155
75°	4554	1250	4829
80°	2683	1042	2873
85°	2076	1258	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	9.3
10°-20°	319.3	24.5
20°-30°	364.4	28.0
30°-40°	241.7	18.6
40°-50°	116.6	9.0
50°-60°	71.7	5.5
60°-70°	43.4	3.3
70°-80°	18.3	1.4
80°-90°	4.1	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°	805.4	61.9
0°-40°	1047.1	80.5
0°-60°	1235.4	94.9
0°-90°	1301.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1278	1278	1278	1278	1278	
5°	1286	1300	1306	1264	1266	121
15°	1162	1162	1166	1117	1137	324
25°	873	844	750	793	813	396
35°	493	435	232	406	434	305
45°	200	176	52	164	177	163
55°	122	99	16	99	110	107
65°	58	56	10	53	58	59
75°	22	22	6	20	23	23
85°	3	5	2	3	3	4
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°	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9
2.5°	1281.2	1283.1	1287.0	1287.7	1285.7	1273.4	1263.0	1266.9	1270.1
5°	1286.4	1290.3	1300.0	1309.1	1305.9	1285.1	1264.3	1263.6	1266.2
7.5°	1267.5	1276.6	1296.8	1319.5	1318.9	1283.1	1252.6	1244.8	1244.8
10°	1230.5	1238.9	1261.0	1291.6	1290.9	1246.1	1212.3	1208.4	1209.0
12.5°	1197.3	1201.2	1212.3	1236.3	1236.3	1192.1	1166.1	1170.0	1175.2
15°	1161.6	1164.2	1161.6	1169.4	1166.1	1129.7	1116.7	1129.1	1136.9
17.5°	1110.9	1112.2	1098.5	1088.1	1075.8	1053.0	1056.3	1074.5	1076.4
20°	1040.0	1048.5	1023.8	997.1	985.4	964.0	982.2	1002.3	1001.0
22.5°	962.0	971.8	939.9	895.7	871.7	863.2	895.7	913.9	913.3
25°	873.0	880.1	843.7	782.0	749.5	748.2	793.0	811.9	813.2
27.5°	772.9	775.5	734.5	653.9	613.6	623.4	679.9	705.9	709.2
30°	672.8	671.5	629.2	529.1	475.8	502.5	578.5	607.1	610.4
32.5°	581.1	577.2	529.1	409.5	345.8	385.5	485.6	515.5	520.7
35°	493.4	486.9	434.9	302.9	232.1	291.2	405.6	431.6	433.6
37.5°	401.7	398.5	357.5	226.9	161.9	221.0	330.9	349.7	347.8
40°	316.6	316.6	282.8	168.4	112.5	164.5	262.0	278.9	273.0
42.5°	248.3	251.6	223.0	124.2	80.0	122.2	207.4	223.0	216.5
45°	200.2	200.2	175.5	92.3	52.0	91.0	163.8	178.1	176.8
47.5°	169.7	167.1	142.4	67.6	28.6	68.3	137.8	155.4	154.7
50°	151.5	147.6	122.2	53.3	20.2	56.6	120.9	137.2	137.8
52.5°	137.2	131.3	109.9	47.5	17.6	49.4	109.9	122.9	122.9
55°	121.6	118.3	98.8	42.3	15.6	44.2	98.8	110.5	109.9
57.5°	102.7	102.1	88.4	38.4	14.3	39.0	88.4	95.6	93.0
60°	83.9	86.5	76.7	34.5	13.0	35.1	75.4	81.3	80.0
62.5°	70.2	73.5	67.0	30.6	11.1	31.2	63.7	69.6	68.3
65°	58.5	61.1	55.9	26.0	9.8	26.0	52.7	57.9	57.9
67.5°	48.1	50.1	46.2	21.5	8.5	21.5	42.9	47.5	48.1
70°	38.4	39.7	36.4	16.9	7.2	17.6	33.8	38.4	38.4
72.5°	29.9	30.6	28.6	13.7	6.5	13.7	26.0	29.9	29.9
75°	21.5	22.8	21.5	10.4	5.9	10.4	20.2	22.1	22.8
77.5°	12.4	15.6	15.6	8.5	4.6	7.8	14.3	15.0	15.0
80°	8.5	9.8	11.1	5.9	3.3	5.9	9.1	9.8	9.1
82.5°	5.9	6.5	6.5	3.9	2.6	3.9	5.9	6.5	5.9
85°	3.3	4.6	4.6	3.3	2.0	2.6	3.3	3.9	3.3
87.5°	2.0	2.6	3.3	2.6	2.0	2.0	2.0	2.0	1.3
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)