

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: P799367

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799367
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 EU6159030 6LBMDDWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

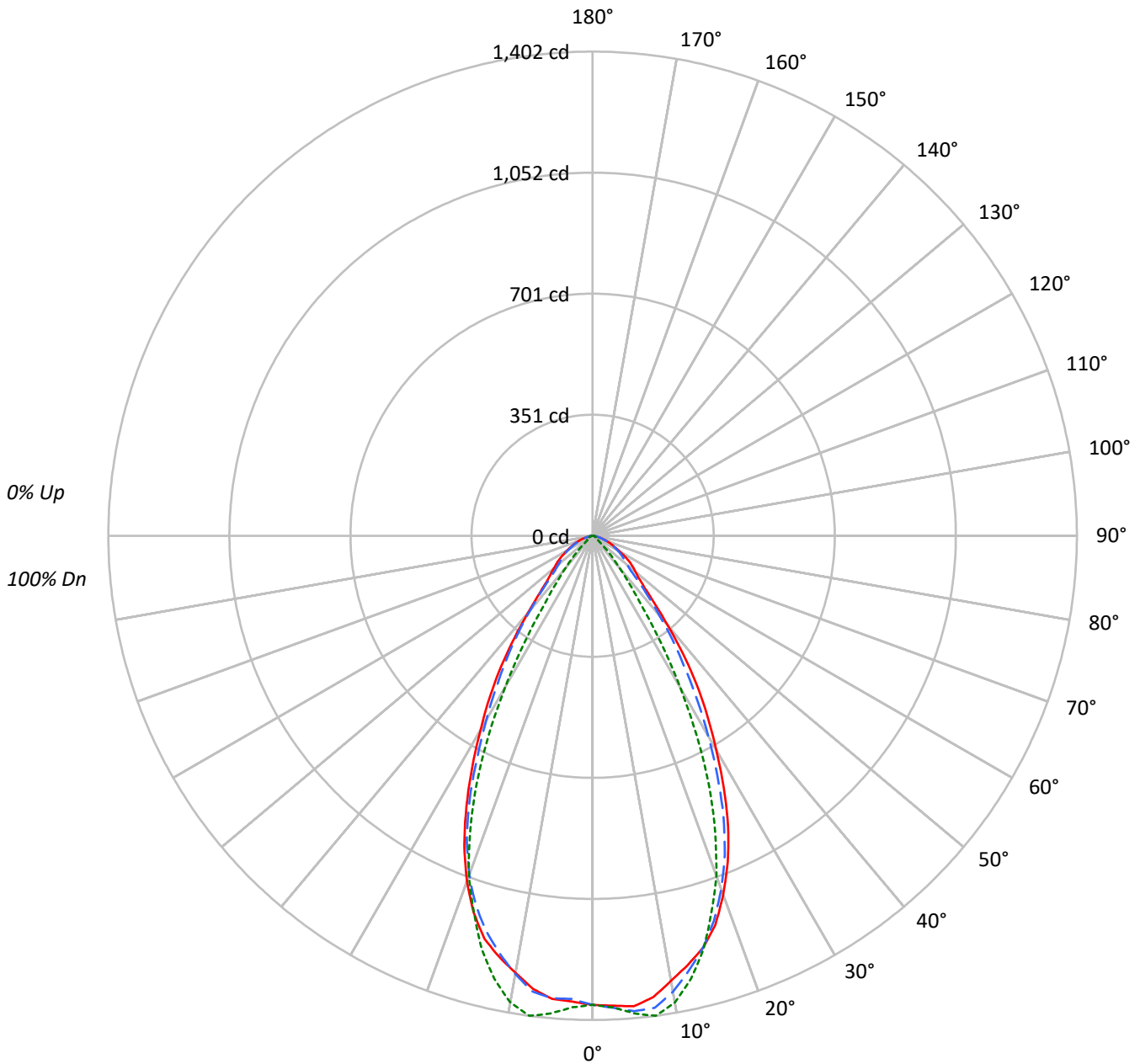
Lumens per Lamp: N/A
Luminaire Lumens: 1383.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	74473	74473	74473
5°	75253	76392	74070
10°	72811	76390	71542
15°	70080	70352	68587
20°	64499	61109	62078
25°	56132	48190	52285
30°	45273	32018	41070
35°	35101	16510	30845
40°	24081	8552	20767
45°	16498	4287	14567
50°	13731	1825	12494
55°	12348	1587	11163
60°	9769	1513	9319
65°	8068	1349	7978
70°	6540	1218	6540
75°	4829	1313	5126
80°	2841	1105	3062
85°	2201	1321	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	9.3
10°-20°	339.4	24.5
20°-30°	387.4	28.0
30°-40°	256.9	18.6
40°-50°	123.9	9.0
50°-60°	76.2	5.5
60°-70°	46.1	3.3
70°-80°	19.4	1.4
80°-90°	4.3	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°	856.1	61.9
0°-40°	1113.0	80.5
0°-60°	1313.2	95.0
0°-90°	1383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1358	1358	1358	1358	1358	
5°	1368	1382	1388	1344	1346	128
15°	1235	1235	1240	1187	1208	344
25°	928	897	797	843	864	421
35°	524	462	247	431	461	324
45°	213	187	55	174	188	174
55°	129	105	17	105	117	114
65°	62	59	10	56	62	62
75°	23	23	6	21	24	24
85°	4	5	2	4	4	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°	1358.5	1358.5	1358.5	1358.5	1358.5	1358.5	1358.5	1358.5	1358.5
2.5°	1361.9	1364.0	1368.1	1368.8	1366.8	1353.6	1342.6	1346.7	1350.2
5°	1367.5	1371.6	1382.0	1391.6	1388.2	1366.1	1344.0	1343.3	1346.0
7.5°	1347.4	1357.1	1378.5	1402.7	1402.0	1364.0	1331.5	1323.2	1323.2
10°	1308.0	1317.0	1340.5	1373.0	1372.3	1324.6	1288.7	1284.5	1285.2
12.5°	1272.8	1276.9	1288.7	1314.2	1314.2	1267.3	1239.6	1243.8	1249.3
15°	1234.8	1237.5	1234.8	1243.1	1239.6	1200.9	1187.1	1200.2	1208.5
17.5°	1180.9	1182.3	1167.8	1156.7	1143.6	1119.4	1122.8	1142.2	1144.3
20°	1105.6	1114.6	1088.3	1060.0	1047.5	1024.7	1044.1	1065.5	1064.1
22.5°	1022.7	1033.0	999.2	952.2	926.6	917.6	952.2	971.5	970.8
25°	928.0	935.6	896.9	831.3	796.7	795.3	843.0	863.0	864.4
27.5°	821.6	824.3	780.8	695.1	652.3	662.7	722.8	750.4	753.9
30°	715.2	713.8	668.9	562.5	505.8	534.1	615.0	645.4	648.8
32.5°	617.7	613.6	562.5	435.3	367.6	409.8	516.2	547.9	553.5
35°	524.5	517.5	462.3	322.0	246.7	309.6	431.2	458.8	460.9
37.5°	427.0	423.6	380.0	241.2	172.1	234.9	351.7	371.7	369.7
40°	336.5	336.5	300.6	179.0	119.5	174.8	278.5	296.4	290.2
42.5°	264.0	267.4	237.0	132.0	85.0	129.9	220.4	237.0	230.1
45°	212.8	212.8	186.6	98.1	55.3	96.7	174.1	189.3	187.9
47.5°	180.3	177.6	151.3	71.9	30.4	72.6	146.5	165.1	164.5
50°	161.0	156.9	129.9	56.7	21.4	60.1	128.5	145.8	146.5
52.5°	145.8	139.6	116.8	50.4	18.7	52.5	116.8	130.6	130.6
55°	129.2	125.8	105.0	44.9	16.6	47.0	105.0	117.5	116.8
57.5°	109.2	108.5	94.0	40.8	15.2	41.5	94.0	101.6	98.8
60°	89.1	91.9	81.5	36.6	13.8	37.3	80.2	86.4	85.0
62.5°	74.6	78.1	71.2	32.5	11.7	33.2	67.7	73.9	72.6
65°	62.2	65.0	59.4	27.6	10.4	27.6	56.0	61.5	61.5
67.5°	51.1	53.2	49.1	22.8	9.0	22.8	45.6	50.4	51.1
70°	40.8	42.1	38.7	18.0	7.6	18.7	35.9	40.8	40.8
72.5°	31.8	32.5	30.4	14.5	6.9	14.5	27.6	31.8	31.8
75°	22.8	24.2	22.8	11.1	6.2	11.1	21.4	23.5	24.2
77.5°	13.1	16.6	16.6	9.0	4.8	8.3	15.2	15.9	15.9
80°	9.0	10.4	11.7	6.2	3.5	6.2	9.7	10.4	9.7
82.5°	6.2	6.9	6.9	4.1	2.8	4.1	6.2	6.9	6.2
85°	3.5	4.8	4.8	3.5	2.1	2.8	3.5	4.1	3.5
87.5°	2.1	2.8	3.5	2.8	2.1	2.1	2.1	2.1	1.4
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)