

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: P799368

Luminaire Tested: **LD6C15D010 EU6159030 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799368
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 6LBMDDWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

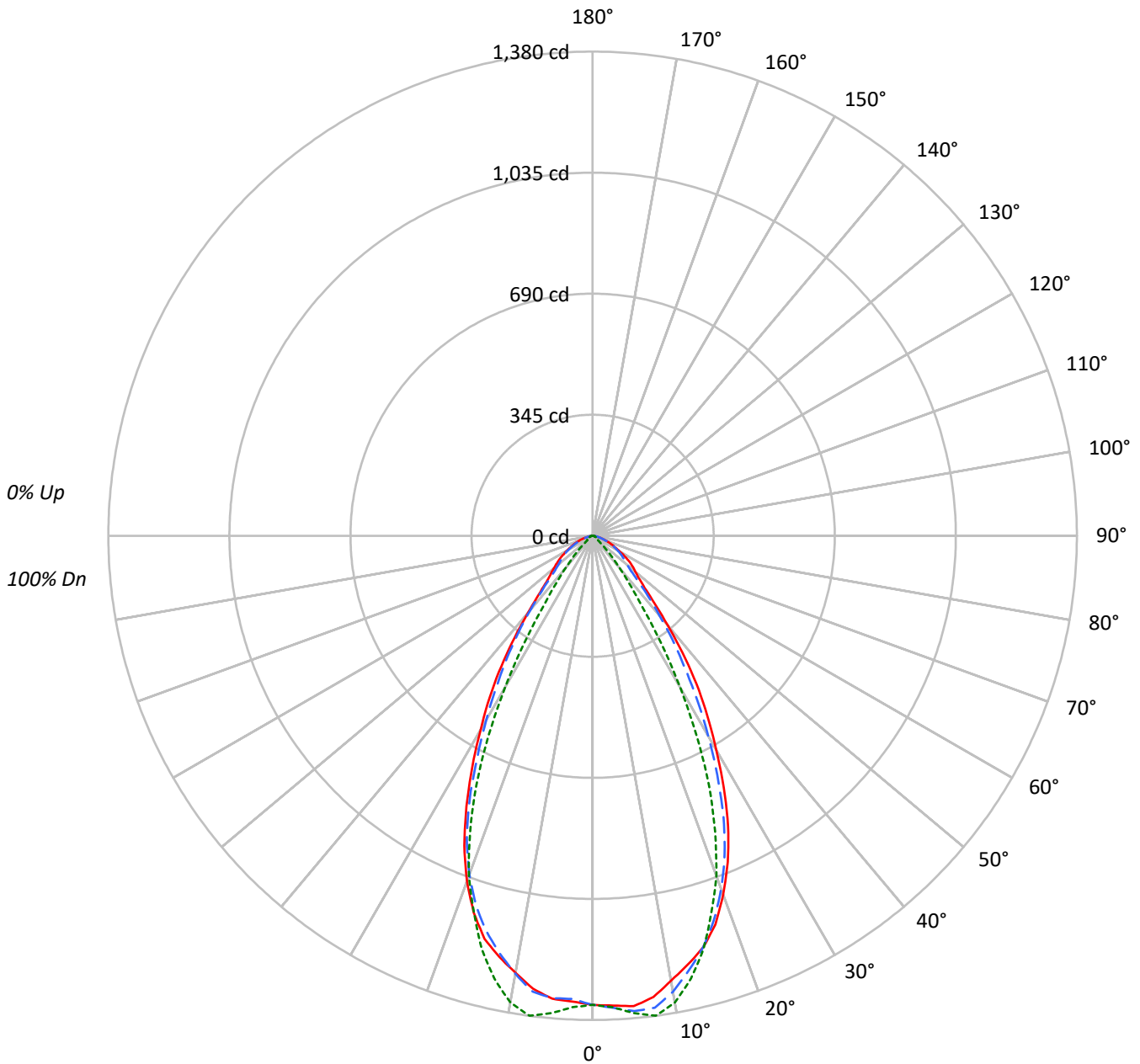
Lumens per Lamp: N/A
Luminaire Lumens: 1361.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	73289	73289	73289
5°	74053	75176	72892
10°	71653	75177	70406
15°	68962	69234	67498
20°	63472	60141	61092
25°	55237	47422	51457
30°	44551	31511	40418
35°	34539	16249	30356
40°	23702	8416	20438
45°	16234	4217	14343
50°	13509	1800	12298
55°	12157	1558	10982
60°	9615	1491	9166
65°	7939	1323	7848
70°	6427	1202	6427
75°	4745	1292	5041
80°	2778	1073	2999
85°	2139	1258	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	9.4
10°-20°	334.0	24.5
20°-30°	381.2	28.0
30°-40°	252.8	18.6
40°-50°	121.9	9.0
50°-60°	75.0	5.5
60°-70°	45.4	3.3
70°-80°	19.1	1.4
80°-90°	4.2	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°	842.5	61.9
0°-40°	1095.3	80.5
0°-60°	1292.3	95.0
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1337	1337	1337	1337	1337	
5°	1346	1360	1366	1323	1325	126
15°	1215	1215	1220	1168	1189	339
25°	913	883	784	830	851	414
35°	516	455	243	424	454	319
45°	209	184	54	171	185	171
55°	127	103	16	103	115	112
65°	61	58	10	55	60	61
75°	22	22	6	21	24	24
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°	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9
2.5°	1340.3	1342.3	1346.4	1347.1	1345.0	1332.1	1321.2	1325.3	1328.7
5°	1345.7	1349.8	1360.0	1369.5	1366.1	1344.3	1322.6	1321.9	1324.6
7.5°	1326.0	1335.5	1356.6	1380.4	1379.7	1342.3	1310.3	1302.2	1302.2
10°	1287.2	1296.1	1319.2	1351.1	1350.5	1303.5	1268.2	1264.1	1264.8
12.5°	1252.5	1256.6	1268.2	1293.3	1293.3	1247.1	1219.9	1224.0	1229.4
15°	1215.1	1217.9	1215.1	1223.3	1219.9	1181.8	1168.2	1181.1	1189.3
17.5°	1162.1	1163.5	1149.2	1138.3	1125.4	1101.6	1105.0	1124.0	1126.1
20°	1088.0	1096.8	1071.0	1043.1	1030.9	1008.4	1027.5	1048.5	1047.2
22.5°	1006.4	1016.6	983.3	937.0	911.9	903.0	937.0	956.1	955.4
25°	913.2	920.7	882.6	818.0	784.0	782.7	829.6	849.3	850.7
27.5°	808.5	811.2	768.4	684.1	641.9	652.1	711.3	738.5	741.9
30°	703.8	702.4	658.2	553.5	497.8	525.6	605.2	635.1	638.5
32.5°	607.9	603.8	553.5	428.4	361.8	403.2	508.0	539.2	544.7
35°	516.1	509.3	454.9	316.9	242.8	304.6	424.3	451.5	453.6
37.5°	420.2	416.8	374.0	237.3	169.3	231.2	346.1	365.8	363.8
40°	331.2	331.2	295.8	176.1	117.6	172.0	274.0	291.7	285.6
42.5°	259.8	263.2	233.2	129.9	83.6	127.8	216.9	233.2	226.4
45°	209.4	209.4	183.6	96.6	54.4	95.2	171.4	186.3	185.0
47.5°	177.5	174.8	148.9	70.7	29.9	71.4	144.2	162.5	161.8
50°	158.4	154.4	127.8	55.8	21.1	59.2	126.5	143.5	144.2
52.5°	143.5	137.4	114.9	49.6	18.4	51.7	114.9	128.5	128.5
55°	127.2	123.8	103.4	44.2	16.3	46.2	103.4	115.6	114.9
57.5°	107.4	106.8	92.5	40.1	15.0	40.8	92.5	100.0	97.2
60°	87.7	90.4	80.2	36.0	13.6	36.7	78.9	85.0	83.6
62.5°	73.4	76.8	70.0	32.0	11.6	32.6	66.6	72.8	71.4
65°	61.2	63.9	58.5	27.2	10.2	27.2	55.1	60.5	60.5
67.5°	50.3	52.4	48.3	22.4	8.8	22.4	44.9	49.6	50.3
70°	40.1	41.5	38.1	17.7	7.5	18.4	35.4	40.1	40.1
72.5°	31.3	32.0	29.9	14.3	6.8	14.3	27.2	31.3	31.3
75°	22.4	23.8	22.4	10.9	6.1	10.9	21.1	23.1	23.8
77.5°	12.9	16.3	16.3	8.8	4.8	8.2	15.0	15.6	15.6
80°	8.8	10.2	11.6	6.1	3.4	6.1	9.5	10.2	9.5
82.5°	6.1	6.8	6.8	4.1	2.7	4.1	6.1	6.8	6.1
85°	3.4	4.8	4.8	3.4	2.0	2.7	3.4	4.1	3.4
87.5°	2.0	2.7	3.4	2.7	2.0	2.0	2.0	2.0	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)