

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: P799381

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799381
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 EU6159035 6LBMDDWWMH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

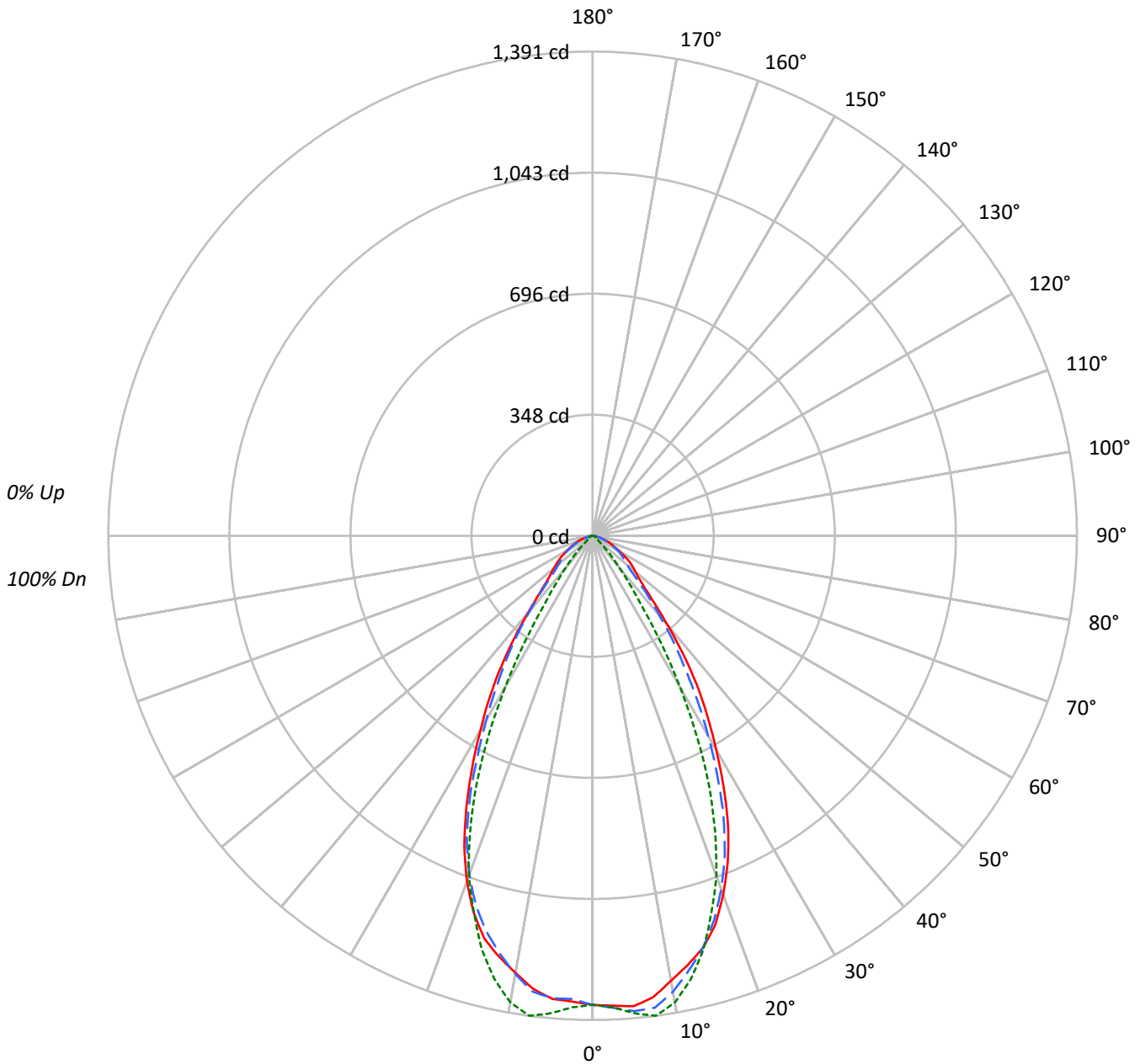
Lumens per Lamp: N/A
Luminaire Lumens: 1372.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	73881	73881	73881
5°	74653	75781	73481
10°	72232	75783	70974
15°	69524	69796	68042
20°	63986	60625	61582
25°	55685	47809	51868
30°	44912	31764	40747
35°	34820	16376	30597
40°	23888	8487	20603
45°	16366	4249	14459
50°	13620	1817	12392
55°	12253	1577	11068
60°	9692	1502	9243
65°	8003	1336	7913
70°	6475	1202	6475
75°	4787	1313	5083
80°	2810	1073	3031
85°	2139	1321	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	9.4
10°-20°	336.7	24.5
20°-30°	384.3	28.0
30°-40°	254.9	18.6
40°-50°	122.9	9.0
50°-60°	75.6	5.5
60°-70°	45.7	3.3
70°-80°	19.3	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°	849.3	61.9
0°-40°	1104.2	80.5
0°-60°	1302.7	95.0
0°-90°	1372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1348	1348	1348	1348	1348	
5°	1357	1371	1377	1333	1335	127
15°	1225	1225	1230	1178	1199	341
25°	921	890	790	836	858	417
35°	520	459	245	428	457	322
45°	211	185	55	173	186	172
55°	128	104	16	104	116	113
65°	62	59	10	56	61	62
75°	23	23	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°	1347.7	1347.7	1347.7	1347.7	1347.7	1347.7	1347.7	1347.7	1347.7
2.5°	1351.1	1353.2	1357.3	1357.9	1355.9	1342.9	1331.9	1336.0	1339.4
5°	1356.6	1360.7	1371.0	1380.6	1377.1	1355.2	1333.3	1332.6	1335.3
7.5°	1336.7	1346.3	1367.5	1391.5	1390.9	1353.2	1320.9	1312.7	1312.7
10°	1297.6	1306.5	1329.8	1362.1	1361.4	1314.1	1278.4	1274.3	1275.0
12.5°	1262.7	1266.8	1278.4	1303.8	1303.8	1257.2	1229.8	1233.9	1239.4
15°	1225.0	1227.7	1225.0	1233.2	1229.8	1191.4	1177.7	1190.7	1198.9
17.5°	1171.5	1172.9	1158.5	1147.5	1134.5	1110.5	1113.9	1133.1	1135.2
20°	1096.8	1105.7	1079.6	1051.5	1039.2	1016.6	1035.8	1057.0	1055.6
22.5°	1014.5	1024.8	991.2	944.6	919.2	910.3	944.6	963.8	963.1
25°	920.6	928.1	889.8	824.6	790.4	789.0	836.3	856.2	857.5
27.5°	815.0	817.8	774.6	689.6	647.1	657.4	717.0	744.4	747.9
30°	709.5	708.1	663.6	558.0	501.8	529.9	610.1	640.2	643.7
32.5°	612.8	608.7	558.0	431.9	364.7	406.5	512.1	543.6	549.1
35°	520.3	513.4	458.6	319.4	244.7	307.1	427.7	455.2	457.2
37.5°	423.6	420.2	377.0	239.2	170.7	233.1	348.9	368.8	366.7
40°	333.8	333.8	298.2	177.5	118.6	173.4	276.3	294.1	287.9
42.5°	261.9	265.3	235.1	130.9	84.3	128.9	218.7	235.1	228.3
45°	211.1	211.1	185.1	97.3	54.8	96.0	172.7	187.8	186.5
47.5°	178.9	176.2	150.1	71.3	30.2	72.0	145.3	163.8	163.1
50°	159.7	155.6	128.9	56.2	21.3	59.6	127.5	144.6	145.3
52.5°	144.6	138.5	115.8	50.0	18.5	52.1	115.8	129.6	129.6
55°	128.2	124.8	104.2	44.6	16.5	46.6	104.2	116.5	115.8
57.5°	108.3	107.6	93.2	40.4	15.1	41.1	93.2	100.8	98.0
60°	88.4	91.2	80.9	36.3	13.7	37.0	79.5	85.7	84.3
62.5°	74.0	77.5	70.6	32.2	11.7	32.9	67.2	73.3	72.0
65°	61.7	64.4	59.0	27.4	10.3	27.4	55.5	61.0	61.0
67.5°	50.7	52.8	48.7	22.6	8.9	22.6	45.2	50.0	50.7
70°	40.4	41.8	38.4	17.8	7.5	18.5	35.6	40.4	40.4
72.5°	31.5	32.2	30.2	14.4	6.9	14.4	27.4	31.5	31.5
75°	22.6	24.0	22.6	11.0	6.2	11.0	21.3	23.3	24.0
77.5°	13.0	16.5	16.5	8.9	4.8	8.2	15.1	15.8	15.8
80°	8.9	10.3	11.7	6.2	3.4	6.2	9.6	10.3	9.6
82.5°	6.2	6.9	6.9	4.1	2.7	4.1	6.2	6.9	6.2
85°	3.4	4.8	4.8	3.4	2.1	2.7	3.4	4.1	3.4
87.5°	2.1	2.7	3.4	2.7	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)