

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: P799403

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799403
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 EU6159050 6LBMDDWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

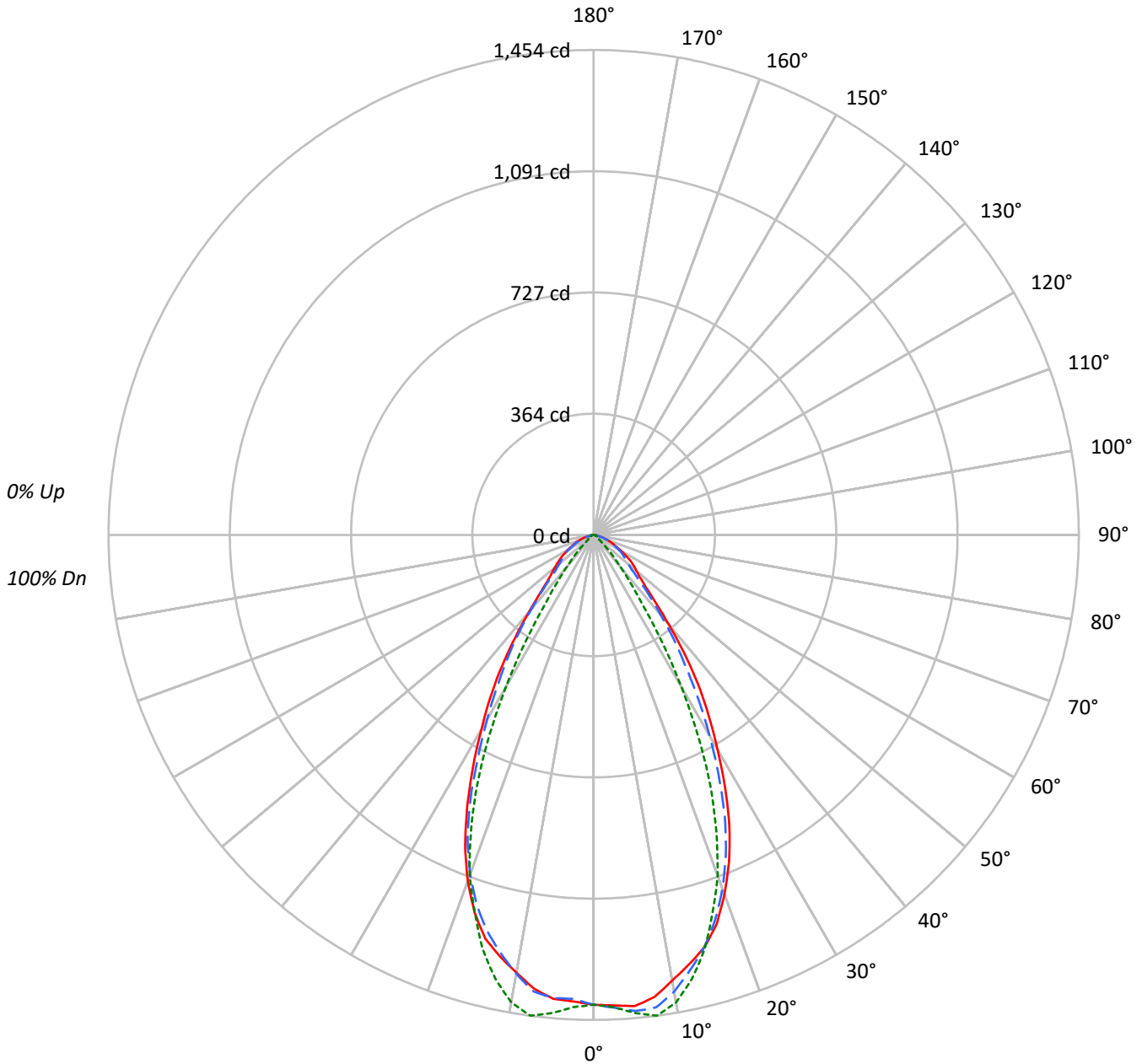
Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	77220	77220	77220
5°	78026	79210	76805
10°	75500	79207	74180
15°	72662	72946	71118
20°	66873	63367	64371
25°	58201	49969	54215
30°	46938	33201	42589
35°	36393	17119	31983
40°	24968	8867	21533
45°	17110	4442	15110
50°	14234	1893	12955
55°	12807	1644	11574
60°	10131	1568	9659
65°	8367	1388	8276
70°	6780	1266	6780
75°	4999	1356	5316
80°	2936	1137	3157
85°	2264	1321	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	9.4
10°-20°	351.9	24.5
20°-30°	401.7	28.0
30°-40°	266.4	18.6
40°-50°	128.5	9.0
50°-60°	79.0	5.5
60°-70°	47.8	3.3
70°-80°	20.1	1.4
80°-90°	4.4	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°	887.7	61.9
0°-40°	1154.1	80.5
0°-60°	1361.6	95.0
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1409	1409	1409	1409	1409	
5°	1418	1433	1439	1394	1396	133
15°	1280	1280	1285	1231	1253	357
25°	962	930	826	874	896	436
35°	544	479	256	447	478	336
45°	221	193	57	180	195	180
55°	134	109	17	109	121	118
65°	64	62	11	58	64	65
75°	24	24	6	22	25	25
85°	4	5	2	4	4	5
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°	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6	1408.6
2.5°	1412.1	1414.3	1418.6	1419.3	1417.2	1403.6	1392.1	1396.4	1400.0
5°	1417.9	1422.2	1432.9	1443.0	1439.4	1416.4	1393.5	1392.8	1395.7
7.5°	1397.1	1407.1	1429.3	1454.4	1453.7	1414.3	1380.6	1372.0	1372.0
10°	1356.3	1365.6	1389.9	1423.6	1422.9	1373.5	1336.2	1331.9	1332.6
12.5°	1319.7	1324.0	1336.2	1362.7	1362.7	1314.0	1285.3	1289.6	1295.4
15°	1280.3	1283.2	1280.3	1288.9	1285.3	1245.2	1230.9	1244.5	1253.1
17.5°	1224.4	1225.9	1210.8	1199.4	1185.7	1160.7	1164.3	1184.3	1186.5
20°	1146.3	1155.7	1128.4	1099.1	1086.2	1062.5	1082.6	1104.8	1103.4
22.5°	1060.4	1071.1	1036.0	987.3	960.8	951.5	987.3	1007.3	1006.6
25°	962.2	970.1	930.0	861.9	826.1	824.6	874.1	894.9	896.3
27.5°	851.9	854.7	809.6	720.8	676.3	687.1	749.4	778.1	781.7
30°	741.5	740.1	693.5	583.2	524.5	553.8	637.7	669.2	672.8
32.5°	640.5	636.2	583.2	451.4	381.2	424.9	535.2	568.2	573.9
35°	543.8	536.6	479.3	333.9	255.8	321.0	447.1	475.7	477.9
37.5°	442.8	439.2	394.1	250.0	178.4	243.6	364.7	385.5	383.3
40°	348.9	348.9	311.7	185.6	123.9	181.3	288.7	307.4	300.9
42.5°	273.7	277.3	245.7	136.8	88.1	134.7	228.6	245.7	238.6
45°	220.7	220.7	193.4	101.7	57.3	100.3	180.5	196.3	194.9
47.5°	187.0	184.1	156.9	74.5	31.5	75.2	151.9	171.2	170.5
50°	166.9	162.6	134.7	58.7	22.2	62.3	133.3	151.2	151.9
52.5°	151.2	144.7	121.1	52.3	19.3	54.5	121.1	135.4	135.4
55°	134.0	130.4	108.9	46.6	17.2	48.7	108.9	121.8	121.1
57.5°	113.2	112.5	97.4	42.3	15.8	43.0	97.4	105.3	102.5
60°	92.4	95.3	84.5	38.0	14.3	38.7	83.1	89.6	88.1
62.5°	77.4	81.0	73.8	33.7	12.2	34.4	70.2	76.7	75.2
65°	64.5	67.3	61.6	28.7	10.7	28.7	58.0	63.8	63.8
67.5°	53.0	55.2	50.9	23.6	9.3	23.6	47.3	52.3	53.0
70°	42.3	43.7	40.1	18.6	7.9	19.3	37.3	42.3	42.3
72.5°	33.0	33.7	31.5	15.0	7.2	15.0	28.7	33.0	33.0
75°	23.6	25.1	23.6	11.5	6.4	11.5	22.2	24.4	25.1
77.5°	13.6	17.2	17.2	9.3	5.0	8.6	15.8	16.5	16.5
80°	9.3	10.7	12.2	6.4	3.6	6.4	10.0	10.7	10.0
82.5°	6.4	7.2	7.2	4.3	2.9	4.3	6.4	7.2	6.4
85°	3.6	5.0	5.0	3.6	2.1	2.9	3.6	4.3	3.6
87.5°	2.1	2.9	3.6	2.9	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)