

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: P799404

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799404
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 6LBMDDWWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

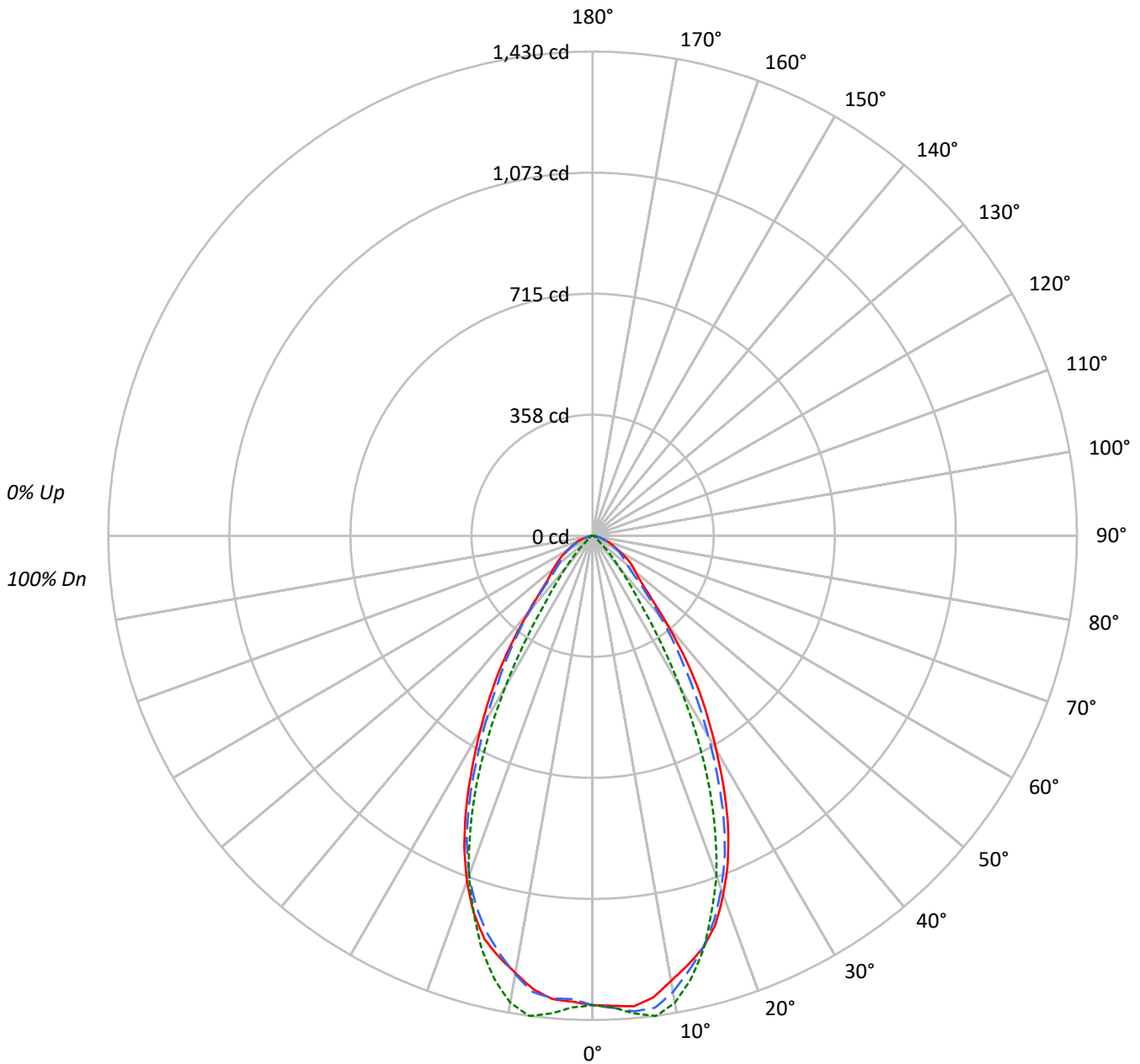
Lumens per Lamp: N/A
Luminaire Lumens: 1411.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	75981	75981	75981
5°	76772	77938	75572
10°	74286	77938	72989
15°	71499	71777	69978
20°	65806	62346	63338
25°	57269	49164	53344
30°	46184	32663	41905
35°	35811	16845	31467
40°	24567	8731	21190
45°	16831	4373	14870
50°	14012	1868	12750
55°	12597	1615	11383
60°	9966	1546	9506
65°	8224	1375	8133
70°	6668	1250	6668
75°	4935	1334	5232
80°	2904	1105	3125
85°	2201	1321	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	9.4
10°-20°	346.3	24.5
20°-30°	395.3	28.0
30°-40°	262.1	18.6
40°-50°	126.4	9.0
50°-60°	77.8	5.5
60°-70°	47.1	3.3
70°-80°	19.8	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°	873.5	61.9
0°-40°	1135.6	80.5
0°-60°	1339.8	95.0
0°-90°	1411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1411.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1386	1386	1386	1386	1386	
5°	1395	1410	1416	1371	1373	131
15°	1260	1260	1265	1211	1233	351
25°	947	915	813	860	882	429
35°	535	472	252	440	470	331
45°	217	190	56	178	192	177
55°	132	107	17	107	119	116
65°	63	61	11	57	63	64
75°	23	23	6	22	25	25
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°	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0
2.5°	1389.5	1391.6	1395.8	1396.5	1394.4	1381.0	1369.8	1374.0	1377.5
5°	1395.1	1399.4	1409.9	1419.8	1416.3	1393.7	1371.2	1370.5	1373.3
7.5°	1374.7	1384.6	1406.4	1431.1	1430.4	1391.6	1358.5	1350.0	1350.0
10°	1334.5	1343.7	1367.6	1400.8	1400.1	1351.4	1314.8	1310.5	1311.2
12.5°	1298.6	1302.8	1314.8	1340.9	1340.9	1292.9	1264.7	1268.9	1274.6
15°	1259.8	1262.6	1259.8	1268.2	1264.7	1225.2	1211.1	1224.5	1233.0
17.5°	1204.8	1206.2	1191.4	1180.1	1166.7	1142.1	1145.6	1165.3	1167.4
20°	1128.0	1137.1	1110.3	1081.4	1068.7	1045.5	1065.2	1087.1	1085.7
22.5°	1043.4	1053.9	1019.4	971.5	945.4	936.2	971.5	991.2	990.5
25°	946.8	954.5	915.1	848.1	812.8	811.4	860.1	880.5	881.9
27.5°	838.2	841.0	796.6	709.2	665.5	676.1	737.4	765.6	769.1
30°	729.6	728.2	682.4	573.8	516.0	544.9	627.4	658.4	662.0
32.5°	630.2	626.0	573.8	444.1	375.0	418.0	526.6	559.0	564.7
35°	535.1	528.0	471.6	328.5	251.7	315.8	439.9	468.1	470.2
37.5°	435.7	432.1	387.7	246.0	175.5	239.7	358.8	379.3	377.2
40°	343.3	343.3	306.7	182.6	122.0	178.4	284.1	302.4	296.1
42.5°	269.3	272.8	241.8	134.6	86.7	132.5	224.9	241.8	234.8
45°	217.1	217.1	190.3	100.1	56.4	98.7	177.7	193.2	191.8
47.5°	184.0	181.2	154.4	73.3	31.0	74.0	149.5	168.5	167.8
50°	164.3	160.0	132.5	57.8	21.9	61.3	131.1	148.7	149.5
52.5°	148.7	142.4	119.1	51.5	19.0	53.6	119.1	133.2	133.2
55°	131.8	128.3	107.2	45.8	16.9	47.9	107.2	119.8	119.1
57.5°	111.4	110.7	95.9	41.6	15.5	42.3	95.9	103.6	100.8
60°	90.9	93.8	83.2	37.4	14.1	38.1	81.8	88.1	86.7
62.5°	76.1	79.7	72.6	33.1	12.0	33.8	69.1	75.4	74.0
65°	63.4	66.3	60.6	28.2	10.6	28.2	57.1	62.7	62.7
67.5°	52.2	54.3	50.1	23.3	9.2	23.3	46.5	51.5	52.2
70°	41.6	43.0	39.5	18.3	7.8	19.0	36.7	41.6	41.6
72.5°	32.4	33.1	31.0	14.8	7.0	14.8	28.2	32.4	32.4
75°	23.3	24.7	23.3	11.3	6.3	11.3	21.9	24.0	24.7
77.5°	13.4	16.9	16.9	9.2	4.9	8.5	15.5	16.2	16.2
80°	9.2	10.6	12.0	6.3	3.5	6.3	9.9	10.6	9.9
82.5°	6.3	7.0	7.0	4.2	2.8	4.2	6.3	7.0	6.3
85°	3.5	4.9	4.9	3.5	2.1	2.8	3.5	4.2	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)