

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: P799359

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C15D010 EU6159027 6LBMDSWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

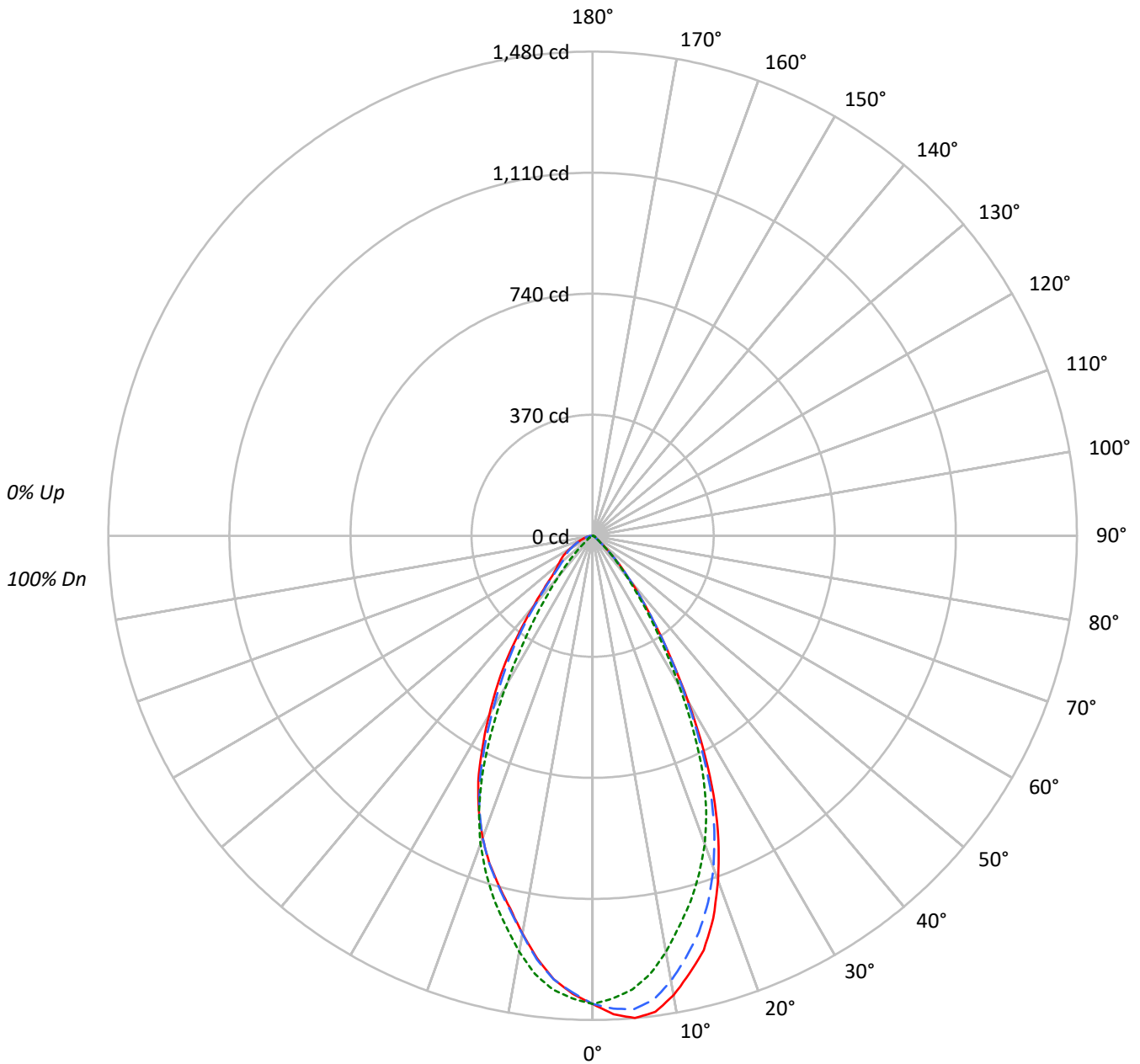
Lumens per Lamp: N/A
Luminaire Lumens: 1232.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	78448	78448	78448
5°	81427	76607	74873
10°	79346	71853	68692
15°	74416	65659	62821
20°	65327	58449	57335
25°	52836	48021	49999
30°	36734	33448	40012
35°	22640	20492	30202
40°	12810	11486	20059
45°	6225	5931	13691
50°	2371	2371	11633
55°	1300	1539	10743
60°	943	1217	8804
65°	804	1038	7212
70°	689	898	5930
75°	657	911	5105
80°	379	789	3694
85°	377	1572	3522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	10.6
10°-20°	329.3	26.7
20°-30°	370.6	30.1
30°-40°	229.5	18.6
40°-50°	91.4	7.4
50°-60°	41.6	3.4
60°-70°	23.9	1.9
70°-80°	11.4	0.9
80°-90°	3.3	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°	830.9	67.4
0°-40°	1060.4	86.1
0°-60°	1193.4	96.9
0°-90°	1232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1232.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1431	1431	1431	1431	1431	
5°	1480	1453	1392	1362	1361	139
15°	1311	1254	1157	1110	1107	363
25°	874	850	794	814	827	393
35°	338	336	306	427	451	217
45°	80	80	76	167	177	68
55°	14	13	16	99	112	13
65°	6	6	8	55	56	6
75°	3	3	4	24	24	3
85°	1	1	2	6	6	0
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°	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0	1431.0
2.5°	1463.7	1450.1	1447.0	1435.3	1415.5	1404.4	1397.6	1392.7	1401.3
5°	1479.7	1464.9	1452.6	1428.5	1392.1	1371.7	1361.8	1353.8	1360.6
7.5°	1468.0	1447.0	1430.3	1397.0	1350.7	1319.2	1305.6	1296.4	1302.5
10°	1425.4	1400.1	1380.9	1341.4	1290.8	1253.2	1236.5	1227.9	1234.0
12.5°	1369.8	1348.8	1319.8	1276.6	1222.3	1182.8	1170.4	1163.7	1166.1
15°	1311.2	1286.5	1254.4	1211.2	1156.9	1117.4	1109.9	1105.6	1106.9
17.5°	1226.0	1201.9	1174.1	1132.2	1082.2	1050.1	1050.1	1047.0	1048.8
20°	1119.8	1106.9	1079.7	1044.5	1001.9	972.9	982.2	979.1	982.8
22.5°	1005.0	995.1	971.7	942.7	906.8	884.0	904.4	903.8	908.7
25°	873.5	866.1	850.1	825.4	793.9	779.7	813.6	813.6	826.6
27.5°	728.4	721.0	709.9	688.9	663.0	658.7	708.7	714.9	729.1
30°	580.3	575.3	569.2	550.0	528.4	536.5	605.6	616.1	632.1
32.5°	448.2	445.1	443.2	426.0	406.8	433.4	512.4	526.0	542.0
35°	338.3	331.5	336.4	323.5	306.2	339.5	426.6	438.3	451.3
37.5°	249.4	244.5	248.8	239.5	224.1	260.5	342.6	350.0	358.7
40°	179.0	174.7	178.4	172.9	160.5	194.5	268.5	276.6	280.3
42.5°	127.2	119.8	123.5	119.1	113.0	146.3	211.1	218.5	219.8
45°	80.3	77.8	80.3	77.8	76.5	108.6	166.7	173.5	176.6
47.5°	48.8	45.7	45.7	44.4	45.7	80.3	137.7	147.5	152.5
50°	27.8	26.5	25.9	25.3	27.8	63.0	119.1	130.3	136.4
52.5°	18.5	17.9	17.9	17.3	20.4	53.1	107.4	117.3	123.5
55°	13.6	13.0	13.0	13.0	16.1	45.7	98.8	106.8	112.4
57.5°	10.5	10.5	10.5	9.9	13.6	38.9	88.3	92.6	96.9
60°	8.6	8.0	8.0	8.0	11.1	33.3	75.9	77.8	80.3
62.5°	6.8	6.8	6.8	6.8	9.3	29.6	65.4	65.4	66.7
65°	6.2	5.6	5.6	5.6	8.0	25.9	54.9	54.3	55.6
67.5°	4.9	4.9	4.9	4.9	6.8	22.2	45.1	44.4	45.7
70°	4.3	4.3	4.3	4.3	5.6	18.5	36.4	35.8	37.0
72.5°	3.7	3.7	3.7	3.7	4.9	15.4	29.0	29.0	29.6
75°	3.1	3.1	3.1	3.1	4.3	11.7	23.5	23.5	24.1
77.5°	2.5	2.5	2.5	2.5	3.1	9.3	17.9	17.3	17.3
80°	1.2	1.9	1.9	1.9	2.5	6.8	13.0	11.7	11.7
82.5°	0.6	1.2	1.2	1.2	2.5	4.9	8.6	8.0	8.0
85°	0.6	0.6	0.6	1.9	2.5	3.7	5.6	5.6	5.6
87.5°	0.0	0.6	1.2	2.5	3.1	3.1	3.7	3.1	3.1
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)