

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: P800065

Luminaire Tested: **LD6C70D010 EU6709050 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800065
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: LD6C70D010 EU6709050 6LBMDDWWMH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

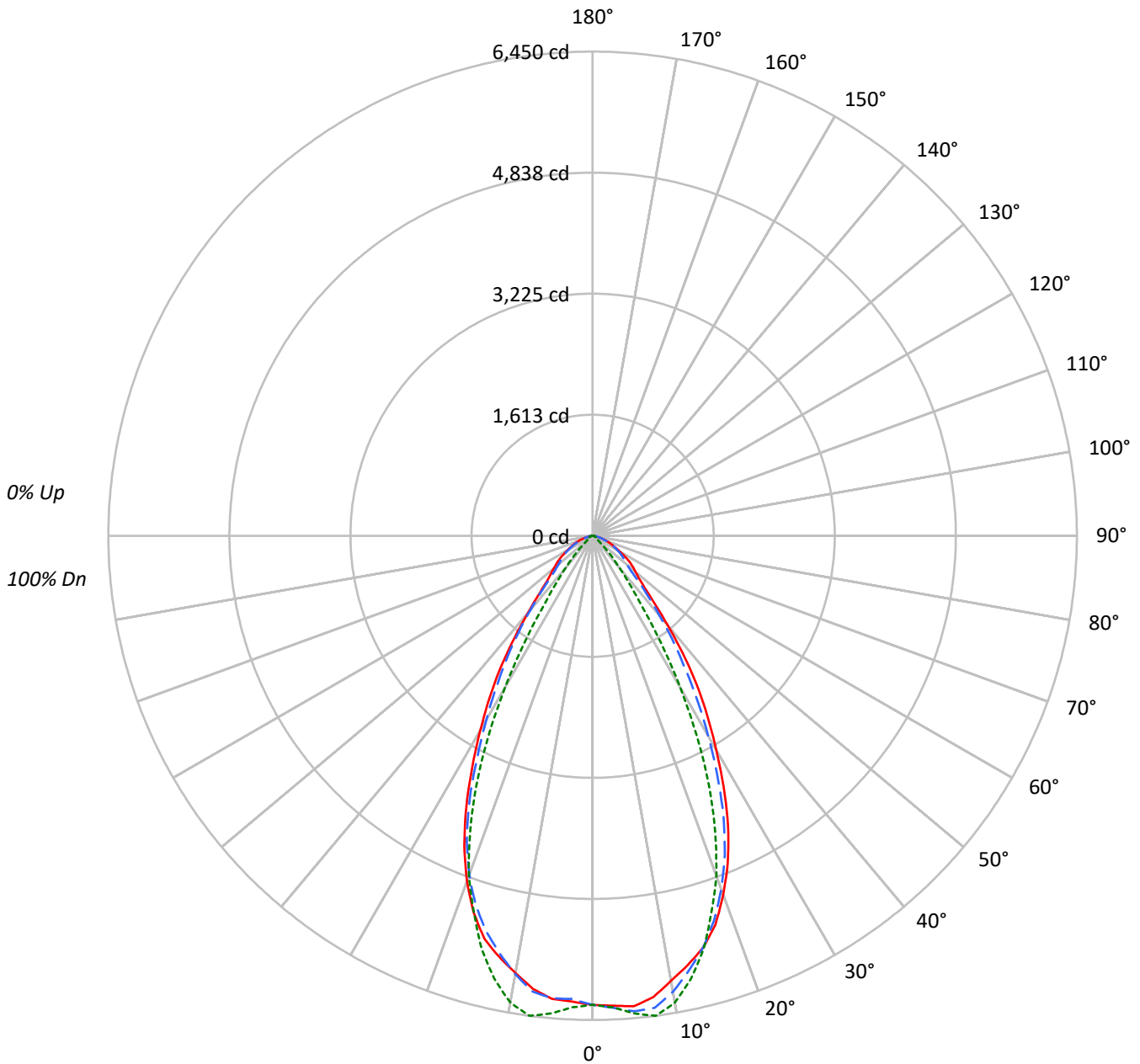
Lumens per Lamp: N/A
Luminaire Lumens: 6363.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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°	342632	342632	342632
5°	346219	351463	340793
10°	335003	351458	329163
15°	322425	323685	315569
20°	296744	281162	285613
25°	258257	221716	240564
30°	208285	147307	188966
35°	161485	75951	141910
40°	110793	39359	95550
45°	75915	19715	67038
50°	63171	8409	57482
55°	56820	7292	51353
60°	44964	6973	42869
65°	37112	6187	36697
70°	30069	5610	30069
75°	22219	6058	23574
80°	13038	5020	14049
85°	10001	5975	10001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.9	9.4
10°-20°	1561.6	24.5
20°-30°	1782.4	28.0
30°-40°	1182.0	18.6
40°-50°	570.1	9.0
50°-60°	350.7	5.5
60°-70°	212.2	3.3
70°-80°	89.3	1.4
80°-90°	19.7	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°	3938.9	61.9
0°-40°	5121.0	80.5
0°-60°	6041.8	95.0
0°-90°	6363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6363.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6250	6250	6250	6250	6250	
5°	6292	6358	6387	6183	6193	591
15°	5681	5681	5703	5462	5560	1583
25°	4270	4126	3666	3878	3977	1936
35°	2413	2127	1135	1984	2120	1492
45°	979	858	254	801	865	799
55°	594	483	76	483	537	523
65°	286	273	48	258	283	287
75°	105	105	29	99	111	112
85°	16	22	10	16	16	20
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°	6250.1	6250.1	6250.1	6250.1	6250.1	6250.1	6250.1	6250.1	6250.1
2.5°	6266.0	6275.6	6294.7	6297.8	6288.3	6227.9	6177.0	6196.1	6212.0
5°	6291.5	6310.5	6358.2	6402.7	6386.8	6285.1	6183.4	6180.2	6192.9
7.5°	6199.3	6243.8	6342.3	6453.6	6450.4	6275.6	6126.2	6088.0	6088.0
10°	6018.1	6059.4	6167.5	6316.9	6313.7	6094.4	5929.1	5910.0	5913.2
12.5°	5855.9	5875.0	5929.1	6046.7	6046.7	5830.5	5703.3	5722.4	5747.8
15°	5681.1	5693.8	5681.1	5719.2	5703.3	5525.3	5461.7	5522.1	5560.3
17.5°	5433.1	5439.5	5372.7	5321.8	5261.4	5150.2	5166.1	5255.1	5264.6
20°	5086.6	5127.9	5007.1	4876.8	4819.5	4714.6	4803.6	4902.2	4895.8
22.5°	4705.1	4752.8	4597.0	4380.8	4263.2	4221.9	4380.8	4469.8	4466.7
25°	4269.6	4304.5	4126.5	3824.5	3665.5	3659.2	3878.5	3970.7	3977.1
27.5°	3780.0	3792.7	3592.4	3198.2	3001.1	3048.8	3325.4	3452.5	3468.4
30°	3290.4	3284.0	3077.4	2587.8	2327.1	2457.5	2829.4	2969.3	2985.2
32.5°	2842.1	2823.1	2587.8	2002.8	1691.3	1885.2	2374.8	2521.0	2546.5
35°	2413.0	2381.2	2126.8	1481.5	1134.9	1424.2	1983.8	2110.9	2120.5
37.5°	1964.7	1948.8	1748.5	1109.5	791.6	1080.9	1618.2	1710.4	1700.8
40°	1548.2	1548.2	1382.9	823.4	550.0	804.3	1281.2	1363.8	1335.2
42.5°	1214.4	1230.3	1090.4	607.2	391.0	597.7	1014.1	1090.4	1058.6
45°	979.2	979.2	858.4	451.4	254.3	445.1	801.1	871.1	864.7
47.5°	829.7	817.0	696.2	330.6	139.9	333.8	674.0	759.8	756.6
50°	740.7	721.7	597.7	260.7	98.6	276.6	591.3	670.8	674.0
52.5°	670.8	642.2	537.3	232.1	85.8	241.6	537.3	600.9	600.9
55°	594.5	578.6	483.2	206.6	76.3	216.2	483.2	540.5	537.3
57.5°	502.3	499.1	432.4	187.6	69.9	190.7	432.4	467.3	454.6
60°	410.1	422.8	375.1	168.5	63.6	171.7	368.8	397.4	391.0
62.5°	343.3	359.2	327.4	149.4	54.0	152.6	311.6	340.2	333.8
65°	286.1	298.8	273.4	127.2	47.7	127.2	257.5	282.9	282.9
67.5°	235.3	244.8	225.7	104.9	41.3	104.9	209.8	232.1	235.3
70°	187.6	193.9	178.0	82.7	35.0	85.8	165.3	187.6	187.6
72.5°	146.2	149.4	139.9	66.8	31.8	66.8	127.2	146.2	146.2
75°	104.9	111.3	104.9	50.9	28.6	50.9	98.6	108.1	111.3
77.5°	60.4	76.3	76.3	41.3	22.3	38.1	69.9	73.1	73.1
80°	41.3	47.7	54.0	28.6	15.9	28.6	44.5	47.7	44.5
82.5°	28.6	31.8	31.8	19.1	12.7	19.1	28.6	31.8	28.6
85°	15.9	22.3	22.3	15.9	9.5	12.7	15.9	19.1	15.9
87.5°	9.5	12.7	15.9	12.7	9.5	9.5	9.5	9.5	6.4
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)