

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: P800047

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800047
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: LD6C70D010 EU6709035 6LBMDSWWMH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

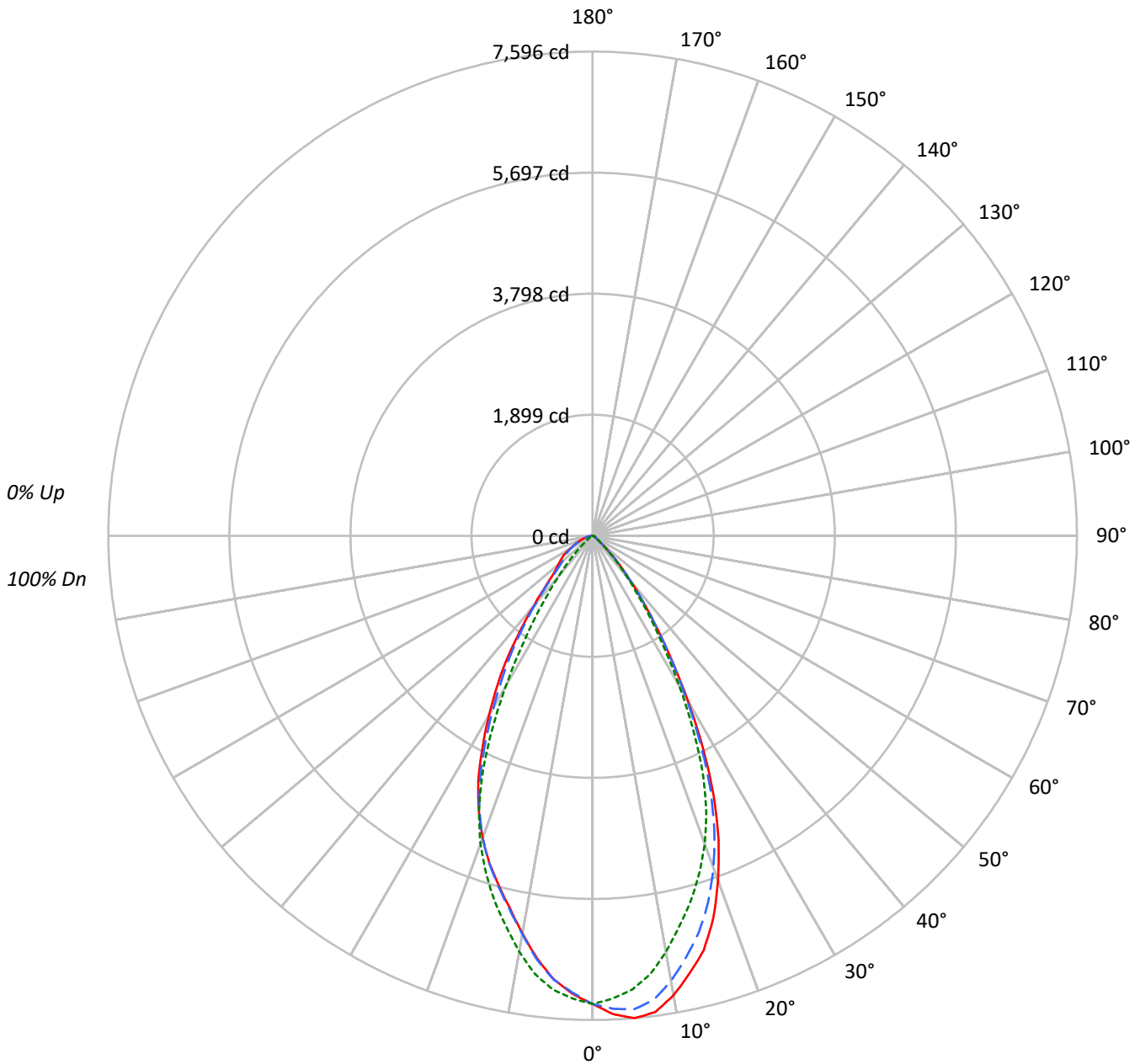
Lumens per Lamp: N/A
Luminaire Lumens: 6324.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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					20					
RC	80					70					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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	402665	402665	402665
5°	417983	393219	384327
10°	407290	368836	352610
15°	381983	337022	322454
20°	335341	300029	294300
25°	271213	246492	256648
30°	188554	171704	205399
35°	116212	105183	155021
40°	65759	58960	102950
45°	31934	30461	70263
50°	12162	12162	59725
55°	6662	7875	55119
60°	4868	6249	45161
65°	4112	5344	36995
70°	3558	4568	30470
75°	3347	4702	26180
80°	1989	4009	19005
85°	2013	7988	17926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	672.4	10.6
10°-20°	1690.1	26.7
20°-30°	1902.6	30.1
30°-40°	1178.1	18.6
40°-50°	469.2	7.4
50°-60°	213.6	3.4
60°-70°	122.8	1.9
70°-80°	58.3	0.9
80°-90°	17.0	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°	4265.1	67.4
0°-40°	5443.2	86.1
0°-60°	6125.9	96.9
0°-90°	6324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6324.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7345	7345	7345	7345	7345	
5°	7596	7456	7146	6990	6984	715
15°	6730	6439	5938	5698	5682	1862
25°	4484	4363	4075	4176	4243	2016
35°	1736	1727	1572	2190	2316	1116
45°	412	412	393	856	906	349
55°	70	66	82	507	577	69
65°	32	28	41	282	285	31
75°	16	16	22	120	124	16
85°	3	3	13	28	28	3
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°	7345.2	7345.2	7345.2	7345.2	7345.2	7345.2	7345.2	7345.2	7345.2
2.5°	7513.2	7443.5	7427.6	7367.4	7266.0	7209.0	7174.1	7148.8	7193.1
5°	7595.6	7519.5	7456.2	7332.6	7145.6	7041.0	6990.3	6949.1	6984.0
7.5°	7535.4	7427.6	7342.1	7171.0	6933.3	6771.7	6702.0	6654.5	6686.1
10°	7316.7	7186.8	7088.6	6885.8	6625.9	6432.6	6347.1	6302.7	6334.4
12.5°	7031.5	6923.8	6774.9	6553.0	6274.2	6071.4	6008.0	5973.2	5985.8
15°	6730.5	6603.7	6439.0	6217.2	5938.3	5735.5	5697.5	5675.3	5681.6
17.5°	6293.2	6169.6	6027.0	5811.6	5554.9	5390.1	5390.1	5374.3	5383.8
20°	5748.2	5681.6	5542.2	5361.6	5142.9	4994.0	5041.5	5025.7	5044.7
22.5°	5158.8	5108.1	4987.7	4838.7	4654.9	4537.7	4642.3	4639.1	4664.5
25°	4483.8	4445.8	4363.4	4236.7	4075.1	4002.2	4176.5	4176.5	4243.0
27.5°	3739.2	3701.1	3644.1	3536.4	3403.3	3381.1	3637.8	3669.5	3742.3
30°	2978.7	2953.3	2921.6	2823.4	2712.5	2753.7	3108.6	3162.4	3244.8
32.5°	2300.5	2284.7	2275.2	2186.5	2088.2	2224.5	2630.1	2699.8	2782.2
35°	1736.5	1701.6	1727.0	1660.4	1571.7	1742.8	2189.6	2249.8	2316.4
37.5°	1280.2	1254.8	1277.0	1229.5	1150.3	1337.2	1758.7	1796.7	1841.1
40°	918.9	896.8	915.8	887.3	823.9	998.2	1378.4	1419.6	1438.6
42.5°	652.8	614.7	633.8	611.6	579.9	751.0	1083.7	1121.8	1128.1
45°	411.9	399.3	411.9	399.3	392.9	557.7	855.6	890.4	906.3
47.5°	250.3	234.5	234.5	228.2	234.5	411.9	706.6	757.3	782.7
50°	142.6	136.3	133.1	129.9	142.6	323.2	611.6	668.6	700.3
52.5°	95.1	91.9	91.9	88.7	104.6	272.5	551.4	602.1	633.8
55°	69.7	66.5	66.5	66.5	82.4	234.5	507.0	548.2	576.7
57.5°	53.9	53.9	53.9	50.7	69.7	199.6	453.1	475.3	497.5
60°	44.4	41.2	41.2	41.2	57.0	171.1	389.8	399.3	411.9
62.5°	34.9	34.9	34.9	34.9	47.5	152.1	335.9	335.9	342.2
65°	31.7	28.5	28.5	28.5	41.2	133.1	282.0	278.9	285.2
67.5°	25.4	25.4	25.4	25.4	34.9	114.1	231.3	228.2	234.5
70°	22.2	22.2	22.2	22.2	28.5	95.1	187.0	183.8	190.1
72.5°	19.0	19.0	19.0	19.0	25.4	79.2	148.9	148.9	152.1
75°	15.8	15.8	15.8	15.8	22.2	60.2	120.4	120.4	123.6
77.5°	12.7	12.7	12.7	12.7	15.8	47.5	91.9	88.7	88.7
80°	6.3	9.5	9.5	9.5	12.7	34.9	66.5	60.2	60.2
82.5°	3.2	6.3	6.3	6.3	12.7	25.4	44.4	41.2	41.2
85°	3.2	3.2	3.2	9.5	12.7	19.0	28.5	28.5	28.5
87.5°	0.0	3.2	6.3	12.7	15.8	15.8	19.0	15.8	15.8
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)