

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: P800041

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800041
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 EU6709035 6LBMDDWWMH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

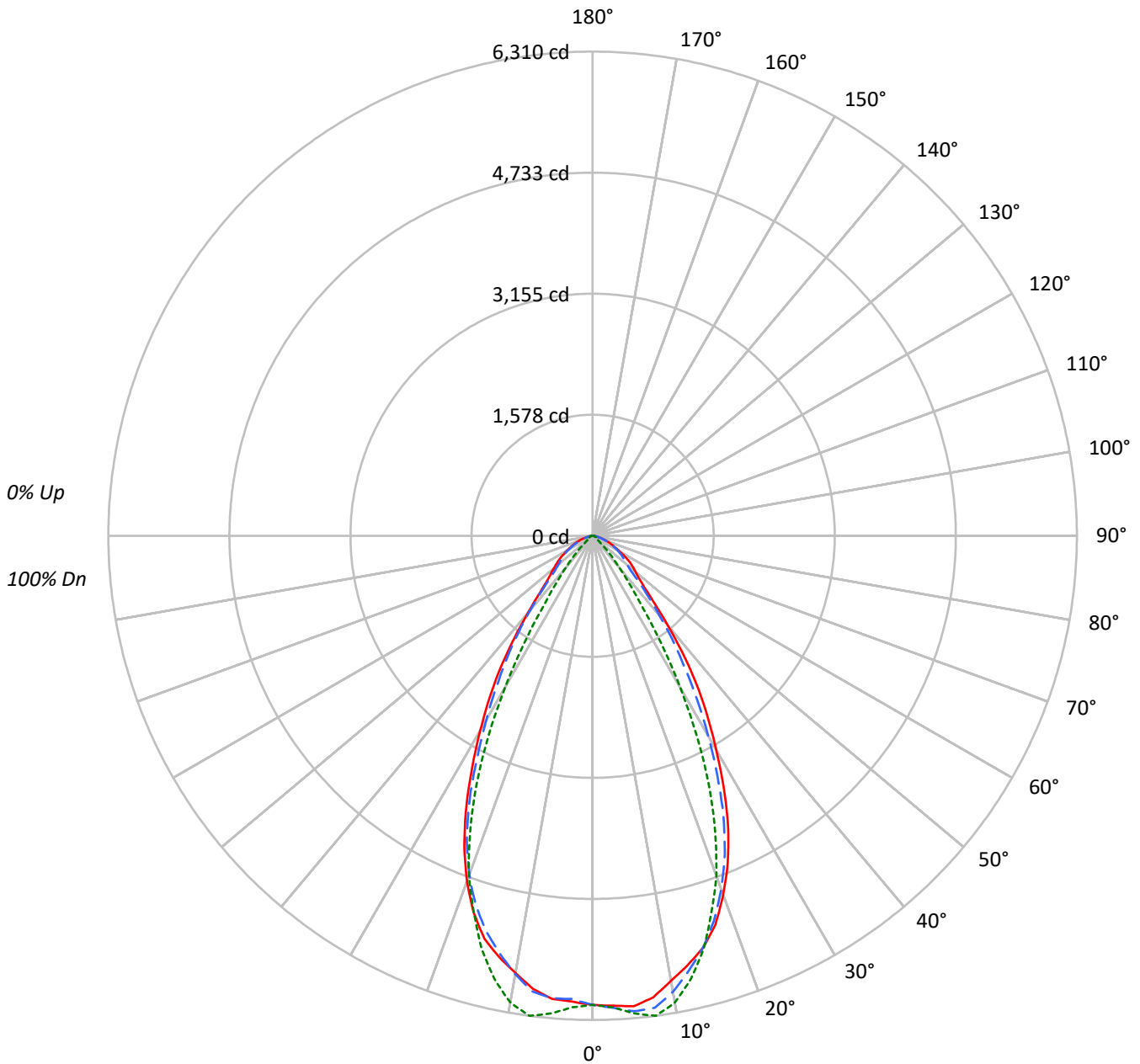
Lumens per Lamp: N/A
Luminaire Lumens: 6225.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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								
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°	335203	335203	335203
5°	338707	343841	333402
10°	327738	343837	322021
15°	315433	316665	308725
20°	290309	275066	279423
25°	252656	216908	235344
30°	203766	144111	184864
35°	157979	74305	138832
40°	108396	38508	93482
45°	74264	19289	65588
50°	61806	8221	56237
55°	55587	7130	50235
60°	43988	6820	41948
65°	36307	6058	35905
70°	29412	5482	29412
75°	21732	5931	23066
80°	12754	4925	13733
85°	9812	5850	9812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.0	9.4
10°-20°	1527.7	24.5
20°-30°	1743.8	28.0
30°-40°	1156.4	18.6
40°-50°	557.8	9.0
50°-60°	343.1	5.5
60°-70°	207.6	3.3
70°-80°	87.3	1.4
80°-90°	19.3	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°	3853.5	61.9
0°-40°	5009.9	80.5
0°-60°	5910.8	95.0
0°-90°	6225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6225.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6115	6115	6115	6115	6115	
5°	6155	6220	6248	6049	6059	578
15°	5558	5558	5580	5343	5440	1549
25°	4177	4037	3586	3794	3891	1894
35°	2361	2081	1110	1941	2074	1460
45°	958	840	249	784	846	781
55°	582	473	75	473	526	511
65°	280	268	47	252	277	281
75°	103	103	28	96	109	110
85°	16	22	9	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°	6114.6	6114.6	6114.6	6114.6	6114.6	6114.6	6114.6	6114.6	6114.6
2.5°	6130.1	6139.5	6158.1	6161.2	6151.9	6092.8	6043.1	6061.7	6077.3
5°	6155.0	6173.7	6220.3	6263.9	6248.3	6148.8	6049.3	6046.2	6058.6
7.5°	6064.8	6108.4	6204.8	6313.6	6310.5	6139.5	5993.3	5956.0	5956.0
10°	5887.6	5928.0	6033.7	6179.9	6176.8	5962.2	5800.5	5781.8	5784.9
12.5°	5728.9	5747.6	5800.5	5915.5	5915.5	5704.1	5579.6	5598.3	5623.2
15°	5557.9	5570.3	5557.9	5595.2	5579.6	5405.5	5343.3	5402.4	5439.7
17.5°	5315.3	5321.5	5256.2	5206.4	5147.3	5038.5	5054.0	5141.1	5150.4
20°	4976.3	5016.7	4898.5	4771.0	4715.0	4612.4	4699.5	4795.9	4789.7
22.5°	4603.1	4649.7	4497.3	4285.8	4170.7	4130.3	4285.8	4372.9	4369.8
25°	4177.0	4211.2	4037.0	3741.5	3586.0	3579.8	3794.4	3884.6	3890.8
27.5°	3698.0	3710.4	3514.5	3128.8	2936.0	2982.7	3253.2	3377.6	3393.2
30°	3219.0	3212.8	3010.6	2531.7	2276.6	2404.2	2768.1	2904.9	2920.4
32.5°	2780.5	2761.8	2531.7	1959.4	1654.6	1844.3	2323.3	2466.4	2491.2
35°	2360.6	2329.5	2080.7	1449.3	1110.3	1393.4	1940.7	2065.2	2074.5
37.5°	1922.1	1906.5	1710.6	1085.4	774.4	1057.5	1583.1	1673.3	1663.9
40°	1514.7	1514.7	1352.9	805.5	538.1	786.9	1253.4	1334.3	1306.3
42.5°	1188.1	1203.6	1066.8	594.0	382.6	584.7	992.1	1066.8	1035.7
45°	957.9	957.9	839.7	441.6	248.8	435.4	783.8	852.2	846.0
47.5°	811.8	799.3	681.1	323.5	136.8	326.6	659.4	743.3	740.2
50°	724.7	706.0	584.7	255.0	96.4	270.6	578.5	656.2	659.4
52.5°	656.2	628.3	525.6	227.0	84.0	236.4	525.6	587.8	587.8
55°	581.6	566.1	472.7	202.2	74.6	211.5	472.7	528.7	525.6
57.5°	491.4	488.3	423.0	183.5	68.4	186.6	423.0	457.2	444.8
60°	401.2	413.7	367.0	164.8	62.2	167.9	360.8	388.8	382.6
62.5°	335.9	351.4	320.3	146.2	52.9	149.3	304.8	332.8	326.6
65°	279.9	292.4	267.5	124.4	46.7	124.4	251.9	276.8	276.8
67.5°	230.2	239.5	220.8	102.6	40.4	102.6	205.3	227.0	230.2
70°	183.5	189.7	174.2	80.9	34.2	84.0	161.7	183.5	183.5
72.5°	143.1	146.2	136.8	65.3	31.1	65.3	124.4	143.1	143.1
75°	102.6	108.9	102.6	49.8	28.0	49.8	96.4	105.7	108.9
77.5°	59.1	74.6	74.6	40.4	21.8	37.3	68.4	71.5	71.5
80°	40.4	46.7	52.9	28.0	15.6	28.0	43.5	46.7	43.5
82.5°	28.0	31.1	31.1	18.7	12.4	18.7	28.0	31.1	28.0
85°	15.6	21.8	21.8	15.6	9.3	12.4	15.6	18.7	15.6
87.5°	9.3	12.4	15.6	12.4	9.3	9.3	9.3	9.3	6.2
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)