

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: P799883

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799883
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: LD6C55D010 EU6559050 6LBMDDWMW
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

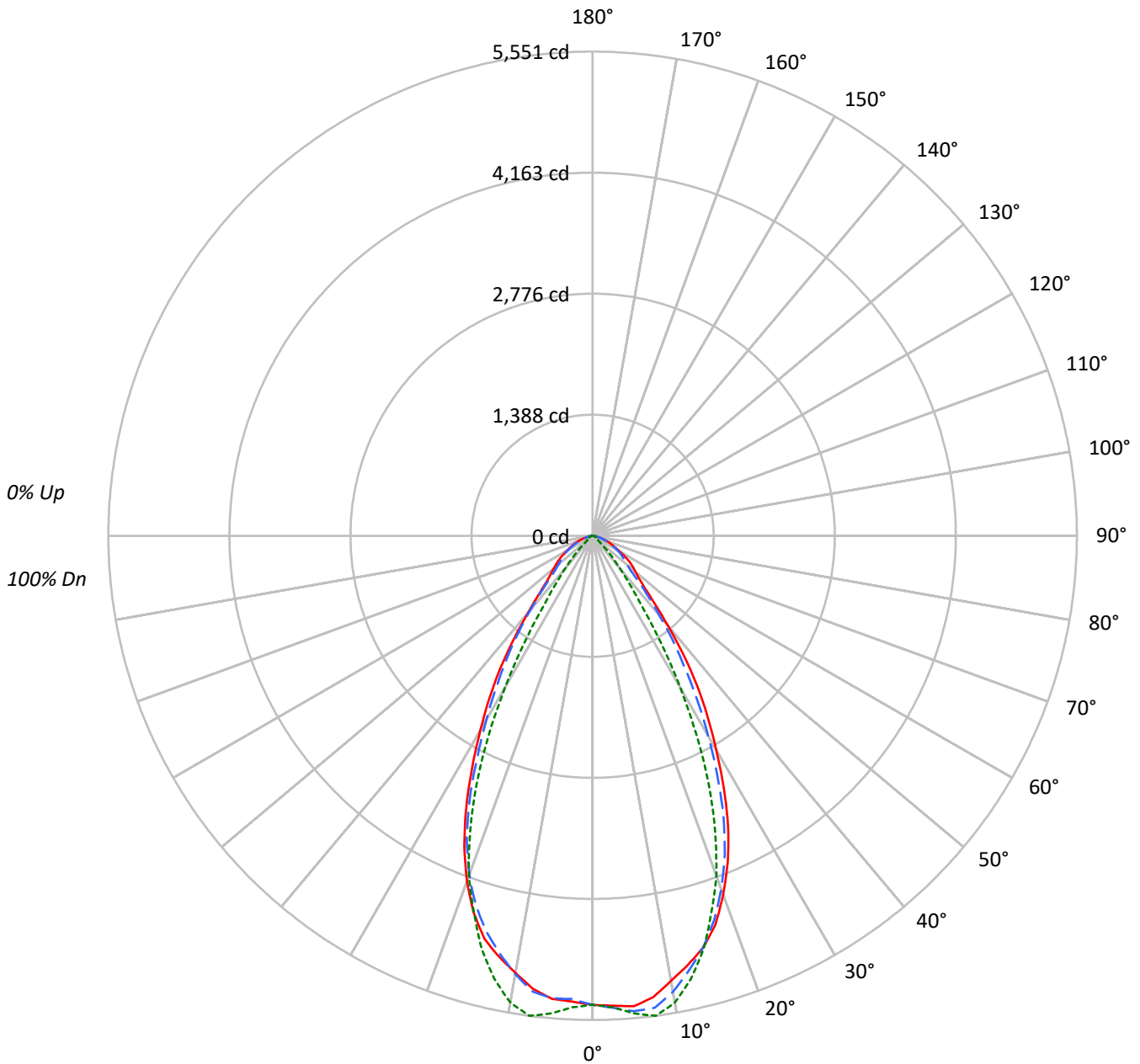
Lumens per Lamp: N/A
Luminaire Lumens: 5476.0 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	294872	294872	294872
5°	297952	302470	293286
10°	288305	302466	283278
15°	277476	278566	271579
20°	255376	241970	245803
25°	222255	190813	207030
30°	179249	126773	162626
35°	138972	65364	122128
40°	95350	33871	82233
45°	65332	16971	57696
50°	54369	7232	49465
55°	48897	6279	44194
60°	38692	5997	36894
65°	31936	5318	31586
70°	25870	4825	25870
75°	19126	5210	20291
80°	11239	4325	12091
85°	8617	5158	8617



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.0	9.4
10°-20°	1343.9	24.5
20°-30°	1533.9	28.0
30°-40°	1017.3	18.6
40°-50°	490.6	9.0
50°-60°	301.8	5.5
60°-70°	182.6	3.3
70°-80°	76.8	1.4
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°	3389.8	61.9
0°-40°	4407.1	80.5
0°-60°	5199.6	95.0
0°-90°	5476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5476.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5379	5379	5379	5379	5379	
5°	5414	5472	5496	5321	5330	509
15°	4889	4889	4908	4700	4785	1362
25°	3674	3551	3155	3338	3423	1666
35°	2077	1830	977	1707	1825	1284
45°	843	739	219	690	744	687
55°	512	416	66	416	462	450
65°	246	235	41	222	244	247
75°	90	90	25	85	96	96
85°	14	19	8	14	14	17
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°	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9
2.5°	5392.6	5400.8	5417.2	5419.9	5411.7	5359.7	5316.0	5332.4	5346.0
5°	5414.4	5430.9	5471.9	5510.2	5496.5	5409.0	5321.4	5318.7	5329.6
7.5°	5335.1	5373.4	5458.2	5554.0	5551.2	5400.8	5272.2	5239.3	5239.3
10°	5179.2	5214.7	5307.7	5436.3	5433.6	5244.8	5102.5	5086.1	5088.9
12.5°	5039.6	5056.0	5102.5	5203.8	5203.8	5017.7	4908.3	4924.7	4946.6
15°	4889.1	4900.1	4889.1	4922.0	4908.3	4755.1	4700.4	4752.3	4785.2
17.5°	4675.7	4681.2	4623.8	4580.0	4528.0	4432.2	4445.9	4522.5	4530.7
20°	4377.5	4413.1	4309.1	4196.9	4147.7	4057.4	4134.0	4218.8	4213.4
22.5°	4049.2	4090.2	3956.2	3770.1	3668.9	3633.3	3770.1	3846.7	3844.0
25°	3674.4	3704.5	3551.3	3291.3	3154.6	3149.1	3337.9	3417.2	3422.7
27.5°	3253.0	3264.0	3091.6	2752.4	2582.7	2623.8	2861.8	2971.2	2984.9
30°	2831.7	2826.2	2648.4	2227.1	2002.7	2114.9	2435.0	2555.4	2569.1
32.5°	2445.9	2429.5	2227.1	1723.6	1455.5	1622.4	2043.8	2169.6	2191.5
35°	2076.6	2049.2	1830.4	1275.0	976.7	1225.7	1707.2	1816.7	1824.9
37.5°	1690.8	1677.1	1504.8	954.8	681.3	930.2	1392.6	1471.9	1463.7
40°	1332.4	1332.4	1190.1	708.6	473.3	692.2	1102.6	1173.7	1149.1
42.5°	1045.1	1058.8	938.4	522.6	336.5	514.4	872.8	938.4	911.1
45°	842.7	842.7	738.7	388.5	218.9	383.0	689.5	749.7	744.2
47.5°	714.1	703.1	599.2	284.5	120.4	287.3	580.0	653.9	651.2
50°	637.5	621.1	514.4	224.3	84.8	238.0	508.9	577.3	580.0
52.5°	577.3	552.7	462.4	199.7	73.9	207.9	462.4	517.1	517.1
55°	511.6	497.9	415.9	177.8	65.7	186.0	415.9	465.1	462.4
57.5°	432.3	429.5	372.1	161.4	60.2	164.2	372.1	402.2	391.2
60°	352.9	363.9	322.8	145.0	54.7	147.7	317.4	342.0	336.5
62.5°	295.5	309.2	281.8	128.6	46.5	131.3	268.1	292.7	287.3
65°	246.2	257.2	235.3	109.4	41.0	109.4	221.6	243.5	243.5
67.5°	202.5	210.7	194.3	90.3	35.6	90.3	180.6	199.7	202.5
70°	161.4	166.9	153.2	71.1	30.1	73.9	142.3	161.4	161.4
72.5°	125.9	128.6	120.4	57.5	27.4	57.5	109.4	125.9	125.9
75°	90.3	95.8	90.3	43.8	24.6	43.8	84.8	93.0	95.8
77.5°	52.0	65.7	65.7	35.6	19.2	32.8	60.2	62.9	62.9
80°	35.6	41.0	46.5	24.6	13.7	24.6	38.3	41.0	38.3
82.5°	24.6	27.4	27.4	16.4	10.9	16.4	24.6	27.4	24.6
85°	13.7	19.2	19.2	13.7	8.2	10.9	13.7	16.4	13.7
87.5°	8.2	10.9	13.7	10.9	8.2	8.2	8.2	8.2	5.5
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)