

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: P799873

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799873
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 EU6559040 6LBMDDWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

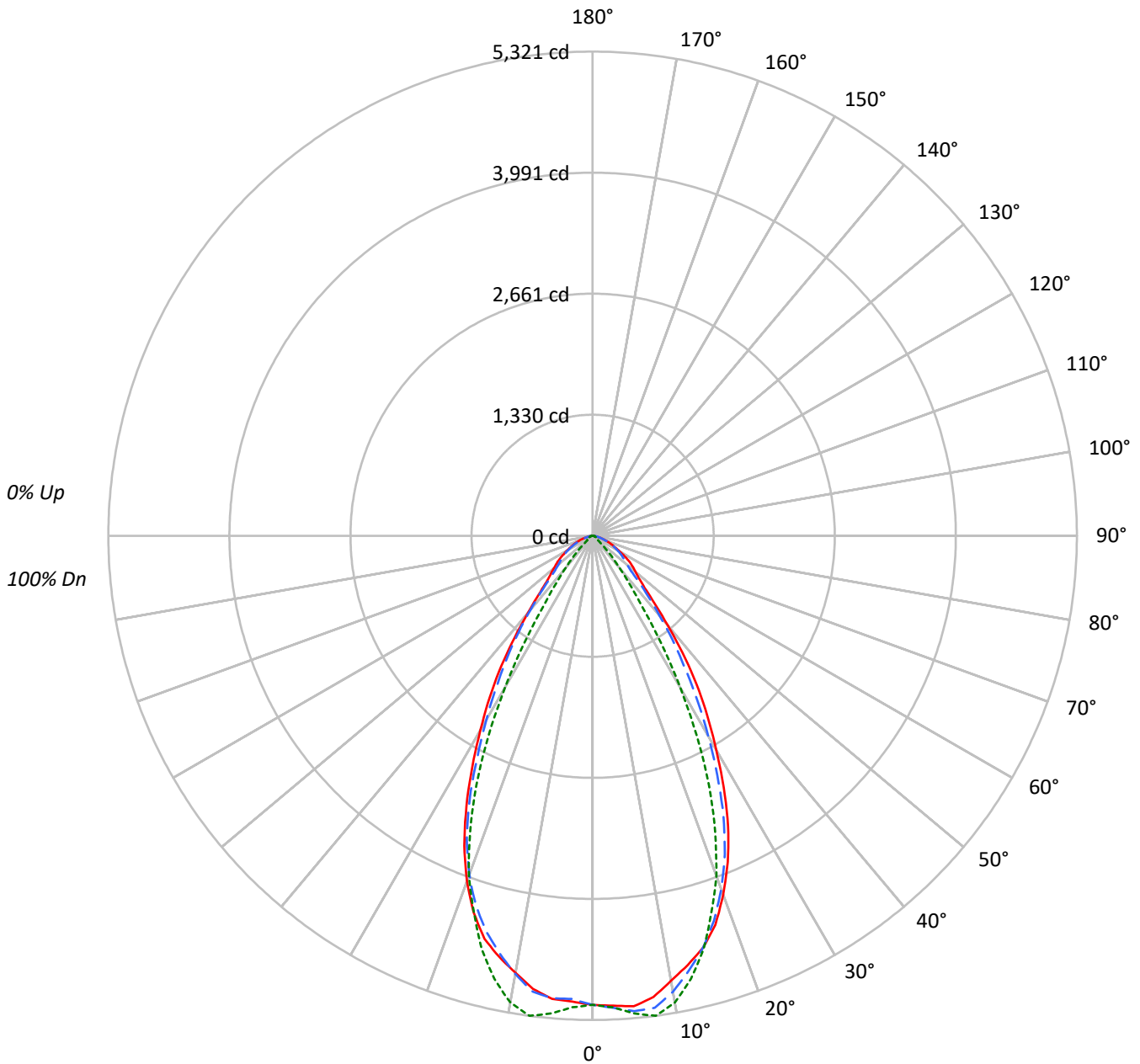
Lumens per Lamp: N/A
Luminaire Lumens: 5249.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799873

CATALOG NUMBER: LD6C55D010 EU6559040 6LBMDDWWMH

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°	282647	282647	282647
5°	285603	289934	281130
10°	276353	289930	271532
15°	265978	267016	260319
20°	244794	231942	235611
25°	213043	182902	198447
30°	171818	121519	155885
35°	133210	62653	117062
40°	91400	32468	78826
45°	62619	16265	55300
50°	52118	6934	47418
55°	46870	6012	42359
60°	37091	5756	35370
65°	30613	5098	30276
70°	24796	4616	24796
75°	18321	4999	19444
80°	10765	4136	11586
85°	8240	4969	8240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.8	9.4
10°-20°	1288.2	24.5
20°-30°	1470.4	28.0
30°-40°	975.1	18.6
40°-50°	470.3	9.0
50°-60°	289.3	5.5
60°-70°	175.0	3.3
70°-80°	73.7	1.4
80°-90°	16.3	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°	3249.3	61.9
0°-40°	4224.4	80.5
0°-60°	4984.0	95.0
0°-90°	5249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5249.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5156	5156	5156	5156	5156	
5°	5190	5245	5269	5101	5109	488
15°	4686	4686	4705	4506	4587	1306
25°	3522	3404	3024	3200	3281	1597
35°	1990	1754	936	1636	1749	1231
45°	808	708	210	661	713	659
55°	490	399	63	399	443	431
65°	236	226	39	212	233	237
75°	86	86	24	81	92	92
85°	13	18	8	13	13	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°	5155.9	5155.9	5155.9	5155.9	5155.9	5155.9	5155.9	5155.9	5155.9
2.5°	5169.0	5176.9	5192.6	5195.2	5187.4	5137.5	5095.6	5111.3	5124.4
5°	5190.0	5205.7	5245.1	5281.8	5268.7	5184.8	5100.8	5098.2	5108.7
7.5°	5113.9	5150.7	5232.0	5323.7	5321.1	5176.9	5053.6	5022.2	5022.2
10°	4964.5	4998.6	5087.7	5211.0	5208.4	5027.4	4891.0	4875.3	4877.9
12.5°	4830.7	4846.4	4891.0	4988.1	4988.1	4809.7	4704.8	4720.6	4741.5
15°	4686.5	4697.0	4686.5	4717.9	4704.8	4558.0	4505.5	4555.3	4586.8
17.5°	4481.9	4487.2	4432.1	4390.1	4340.3	4248.5	4261.6	4335.1	4342.9
20°	4196.1	4230.1	4130.5	4023.0	3975.8	3889.2	3962.7	4043.9	4038.7
22.5°	3881.4	3920.7	3792.2	3613.9	3516.8	3482.7	3613.9	3687.3	3684.7
25°	3522.1	3550.9	3404.1	3154.9	3023.8	3018.5	3199.5	3275.5	3280.8
27.5°	3118.2	3128.7	2963.5	2638.3	2475.7	2515.0	2743.2	2848.1	2861.2
30°	2714.3	2709.1	2538.6	2134.7	1919.7	2027.2	2334.1	2449.4	2462.6
32.5°	2344.5	2328.8	2134.7	1652.2	1395.2	1555.2	1959.0	2079.7	2100.7
35°	1990.5	1964.3	1754.5	1222.1	936.2	1174.9	1636.5	1741.4	1749.2
37.5°	1620.7	1607.6	1442.4	915.3	653.0	891.7	1334.9	1410.9	1403.1
40°	1277.2	1277.2	1140.8	679.2	453.7	663.5	1056.9	1125.1	1101.5
42.5°	1001.8	1014.9	899.5	500.9	322.6	493.0	836.6	899.5	873.3
45°	807.7	807.7	708.1	372.4	209.8	367.2	660.9	718.6	713.3
47.5°	684.5	674.0	574.3	272.7	115.4	275.4	556.0	626.8	624.2
50°	611.1	595.3	493.0	215.0	81.3	228.2	487.8	553.4	556.0
52.5°	553.4	529.8	443.2	191.4	70.8	199.3	443.2	495.7	495.7
55°	490.4	477.3	398.6	170.5	62.9	178.3	398.6	445.8	443.2
57.5°	414.4	411.7	356.7	154.7	57.7	157.4	356.7	385.5	375.0
60°	338.3	348.8	309.5	139.0	52.5	141.6	304.2	327.8	322.6
62.5°	283.2	296.3	270.1	123.3	44.6	125.9	257.0	280.6	275.4
65°	236.0	246.5	225.5	104.9	39.3	104.9	212.4	233.4	233.4
67.5°	194.1	201.9	186.2	86.5	34.1	86.5	173.1	191.4	194.1
70°	154.7	160.0	146.9	68.2	28.8	70.8	136.4	154.7	154.7
72.5°	120.6	123.3	115.4	55.1	26.2	55.1	104.9	120.6	120.6
75°	86.5	91.8	86.5	42.0	23.6	42.0	81.3	89.2	91.8
77.5°	49.8	62.9	62.9	34.1	18.4	31.5	57.7	60.3	60.3
80°	34.1	39.3	44.6	23.6	13.1	23.6	36.7	39.3	36.7
82.5°	23.6	26.2	26.2	15.7	10.5	15.7	23.6	26.2	23.6
85°	13.1	18.4	18.4	13.1	7.9	10.5	13.1	15.7	13.1
87.5°	7.9	10.5	13.1	10.5	7.9	7.9	7.9	7.9	5.2
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)