

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: P799877

Luminaire Tested: **LD6C55D010 EU6559040 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799877
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: LD6C55D010 EU6559040 6LBMDSWMW
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

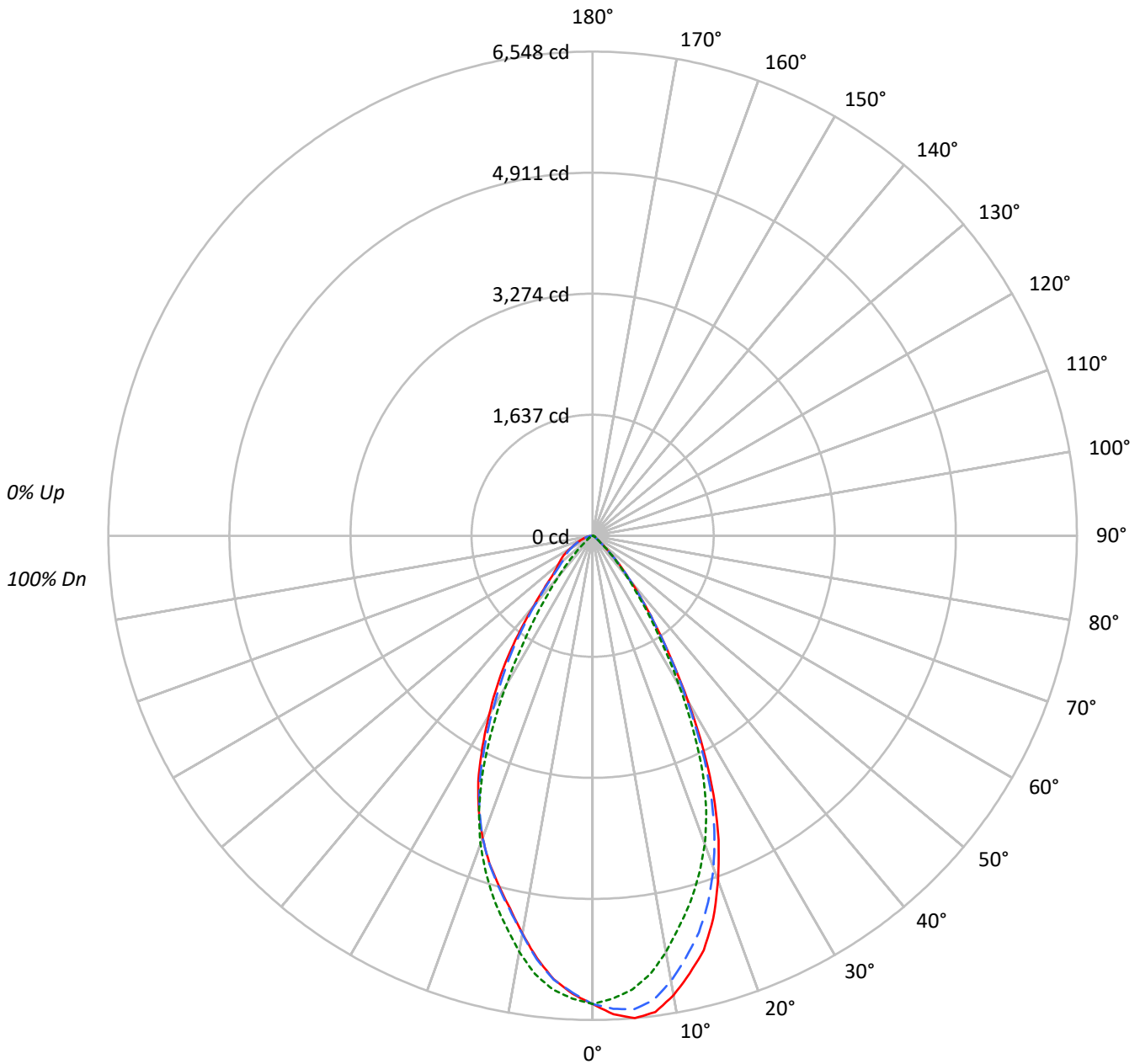
Lumens per Lamp: N/A
Luminaire Lumens: 5452.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	347143	347143	347143
5°	360345	338999	331333
10°	351129	317980	303991
15°	329309	290552	277993
20°	289102	258661	253720
25°	233820	212504	221257
30°	162550	148029	177078
35°	100191	90681	133645
40°	56692	50831	88759
45°	27530	26259	60572
50°	10482	10482	51487
55°	5744	6786	47520
60°	4188	5394	38933
65°	3541	4605	31897
70°	3061	3943	26270
75°	2902	4046	22558
80°	1736	3441	16385
85°	1698	6856	15473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.7	10.6
10°-20°	1457.0	26.7
20°-30°	1640.2	30.1
30°-40°	1015.7	18.6
40°-50°	404.5	7.4
50°-60°	184.1	3.4
60°-70°	105.9	1.9
70°-80°	50.3	0.9
80°-90°	14.7	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°	3677.0	67.4
0°-40°	4692.6	86.1
0°-60°	5281.2	96.9
0°-90°	5452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5452.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6332	6332	6332	6332	6332	
5°	6548	6428	6160	6026	6021	617
15°	5802	5551	5120	4912	4898	1605
25°	3866	3762	3513	3601	3658	1738
35°	1497	1489	1355	1888	1997	962
45°	355	355	339	738	781	301
55°	60	57	71	437	497	60
65°	27	25	36	243	246	27
75°	14	14	19	104	106	14
85°	3	3	11	25	25	2
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°	6332.4	6332.4	6332.4	6332.4	6332.4	6332.4	6332.4	6332.4	6332.4
2.5°	6477.2	6417.1	6403.5	6351.6	6264.1	6215.0	6184.9	6163.1	6201.3
5°	6548.2	6482.7	6428.0	6321.5	6160.3	6070.2	6026.5	5990.9	6021.0
7.5°	6496.3	6403.5	6329.7	6182.2	5977.3	5838.0	5777.9	5736.9	5764.2
10°	6307.8	6195.8	6111.1	5936.3	5712.3	5545.7	5471.9	5433.6	5461.0
12.5°	6062.0	5969.1	5840.7	5649.5	5409.1	5234.2	5179.6	5149.5	5160.5
15°	5802.4	5693.2	5551.1	5359.9	5119.5	4944.6	4911.9	4892.7	4898.2
17.5°	5425.5	5318.9	5196.0	5010.2	4788.9	4646.9	4646.9	4633.2	4641.4
20°	4955.6	4898.2	4778.0	4622.3	4433.8	4305.4	4346.4	4332.7	4349.1
22.5°	4447.5	4403.7	4299.9	4171.5	4013.1	3912.0	4002.2	3999.4	4021.3
25°	3865.6	3832.8	3761.8	3652.5	3513.2	3450.3	3600.6	3600.6	3657.9
27.5°	3223.6	3190.8	3141.6	3048.7	2934.0	2914.9	3136.2	3163.5	3226.3
30°	2567.9	2546.1	2518.8	2434.1	2338.5	2374.0	2679.9	2726.4	2797.4
32.5°	1983.3	1969.7	1961.5	1885.0	1800.3	1917.8	2267.4	2327.5	2398.6
35°	1497.1	1467.0	1488.9	1431.5	1355.0	1502.5	1887.7	1939.6	1997.0
37.5°	1103.7	1081.8	1100.9	1060.0	991.7	1152.8	1516.2	1549.0	1587.2
40°	792.2	773.1	789.5	764.9	710.3	860.5	1188.4	1223.9	1240.3
42.5°	562.8	530.0	546.4	527.2	499.9	647.4	934.3	967.1	972.5
45°	355.1	344.2	355.1	344.2	338.7	480.8	737.6	767.6	781.3
47.5°	215.8	202.2	202.2	196.7	202.2	355.1	609.2	652.9	674.8
50°	122.9	117.5	114.7	112.0	122.9	278.6	527.2	576.4	603.7
52.5°	82.0	79.2	79.2	76.5	90.2	234.9	475.3	519.1	546.4
55°	60.1	57.4	57.4	57.4	71.0	202.2	437.1	472.6	497.2
57.5°	46.4	46.4	46.4	43.7	60.1	172.1	390.7	409.8	428.9
60°	38.2	35.5	35.5	35.5	49.2	147.5	336.0	344.2	355.1
62.5°	30.1	30.1	30.1	30.1	41.0	131.1	289.6	289.6	295.0
65°	27.3	24.6	24.6	24.6	35.5	114.7	243.1	240.4	245.9
67.5°	21.9	21.9	21.9	21.9	30.1	98.3	199.4	196.7	202.2
70°	19.1	19.1	19.1	19.1	24.6	82.0	161.2	158.4	163.9
72.5°	16.4	16.4	16.4	16.4	21.9	68.3	128.4	128.4	131.1
75°	13.7	13.7	13.7	13.7	19.1	51.9	103.8	103.8	106.5
77.5°	10.9	10.9	10.9	10.9	13.7	41.0	79.2	76.5	76.5
80°	5.5	8.2	8.2	8.2	10.9	30.1	57.4	51.9	51.9
82.5°	2.7	5.5	5.5	5.5	10.9	21.9	38.2	35.5	35.5
85°	2.7	2.7	2.7	8.2	10.9	16.4	24.6	24.6	24.6
87.5°	0.0	2.7	5.5	10.9	13.7	13.7	16.4	13.7	13.7
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)