

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: P799853

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799853
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 EU6559030 6LBMDSWMW
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

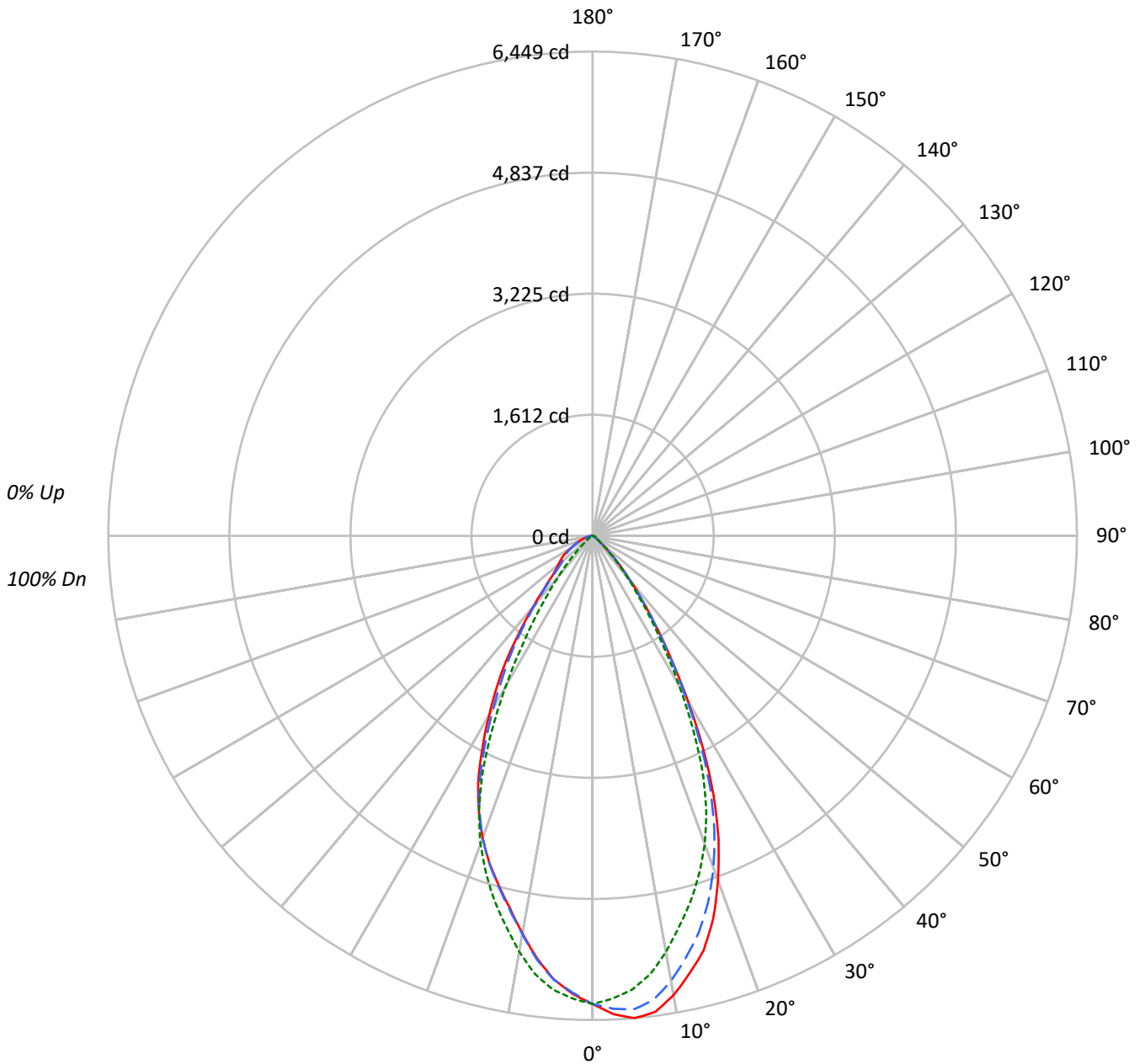
Lumens per Lamp: N/A
Luminaire Lumens: 5369.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	341859	341859	341859
5°	354864	333837	326287
10°	345785	313137	299360
15°	324298	286125	273759
20°	284697	254723	249858
25°	230257	209268	217894
30°	160075	145776	174381
35°	98665	89302	131611
40°	55833	50058	87407
45°	27111	25863	59650
50°	10328	10328	50702
55°	5658	6681	46794
60°	4133	5307	38341
65°	3489	4540	31404
70°	3013	3879	25870
75°	2859	3982	22219
80°	1705	3410	16132
85°	1698	6793	15222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.9	10.6
10°-20°	1434.9	26.7
20°-30°	1615.3	30.1
30°-40°	1000.2	18.6
40°-50°	398.3	7.4
50°-60°	181.3	3.4
60°-70°	104.2	1.9
70°-80°	49.5	0.9
80°-90°	14.5	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°	3621.0	67.4
0°-40°	4621.2	86.1
0°-60°	5200.8	96.9
0°-90°	5369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5369.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6236	6236	6236	6236	6236	
5°	6449	6330	6066	5935	5929	607
15°	5714	5467	5042	4837	4824	1581
25°	3807	3704	3460	3546	3602	1711
35°	1474	1466	1334	1859	1967	947
45°	350	350	334	726	769	296
55°	59	56	70	430	490	59
65°	27	24	35	239	242	26
75°	14	14	19	102	105	14
85°	3	3	11	24	24	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°	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0
2.5°	6378.6	6319.4	6306.0	6254.9	6168.8	6120.3	6090.8	6069.2	6106.9
5°	6448.6	6384.0	6330.2	6225.3	6066.5	5977.8	5934.7	5899.7	5929.3
7.5°	6397.4	6306.0	6233.3	6088.1	5886.3	5749.1	5689.9	5649.5	5676.5
10°	6211.8	6101.5	6018.1	5845.9	5625.3	5461.2	5388.6	5350.9	5377.8
12.5°	5969.7	5878.2	5751.8	5563.5	5326.7	5154.5	5100.7	5071.1	5081.9
15°	5714.1	5606.5	5466.6	5278.3	5041.5	4869.4	4837.1	4818.3	4823.6
17.5°	5342.9	5237.9	5116.9	4933.9	4716.0	4576.1	4576.1	4562.7	4570.8
20°	4880.1	4823.6	4705.3	4551.9	4366.3	4239.9	4280.2	4266.8	4282.9
22.5°	4379.7	4336.7	4234.5	4108.0	3952.0	3852.5	3941.2	3938.5	3960.1
25°	3806.7	3774.4	3704.5	3596.9	3459.7	3397.8	3545.8	3545.8	3602.3
27.5°	3174.5	3142.2	3093.8	3002.3	2889.3	2870.5	3088.4	3115.3	3177.2
30°	2528.8	2507.3	2480.4	2397.0	2302.9	2337.8	2639.1	2684.9	2754.8
32.5°	1953.1	1939.7	1931.6	1856.3	1772.9	1888.6	2232.9	2292.1	2362.0
35°	1474.3	1444.7	1466.2	1409.7	1334.4	1479.6	1859.0	1910.1	1966.6
37.5°	1086.9	1065.3	1084.2	1043.8	976.6	1135.3	1493.1	1525.4	1563.0
40°	780.2	761.3	777.5	753.3	699.5	847.4	1170.3	1205.2	1221.4
42.5°	554.2	521.9	538.1	519.2	492.3	637.6	920.1	952.4	957.7
45°	349.7	339.0	349.7	339.0	333.6	473.5	726.4	756.0	769.4
47.5°	212.5	199.1	199.1	193.7	199.1	349.7	599.9	643.0	664.5
50°	121.1	115.7	113.0	110.3	121.1	274.4	519.2	567.6	594.5
52.5°	80.7	78.0	78.0	75.3	88.8	231.4	468.1	511.1	538.1
55°	59.2	56.5	56.5	56.5	69.9	199.1	430.4	465.4	489.6
57.5°	45.7	45.7	45.7	43.0	59.2	169.5	384.7	403.5	422.4
60°	37.7	35.0	35.0	35.0	48.4	145.3	330.9	339.0	349.7
62.5°	29.6	29.6	29.6	29.6	40.4	129.1	285.2	285.2	290.5
65°	26.9	24.2	24.2	24.2	35.0	113.0	239.4	236.7	242.1
67.5°	21.5	21.5	21.5	21.5	29.6	96.8	196.4	193.7	199.1
70°	18.8	18.8	18.8	18.8	24.2	80.7	158.7	156.0	161.4
72.5°	16.1	16.1	16.1	16.1	21.5	67.3	126.4	126.4	129.1
75°	13.5	13.5	13.5	13.5	18.8	51.1	102.2	102.2	104.9
77.5°	10.8	10.8	10.8	10.8	13.5	40.4	78.0	75.3	75.3
80°	5.4	8.1	8.1	8.1	10.8	29.6	56.5	51.1	51.1
82.5°	2.7	5.4	5.4	5.4	10.8	21.5	37.7	35.0	35.0
85°	2.7	2.7	2.7	8.1	10.8	16.1	24.2	24.2	24.2
87.5°	0.0	2.7	5.4	10.8	13.5	13.5	16.1	13.5	13.5
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)