

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: P799889

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799889
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 EU6559050 6LBMDSWMW
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

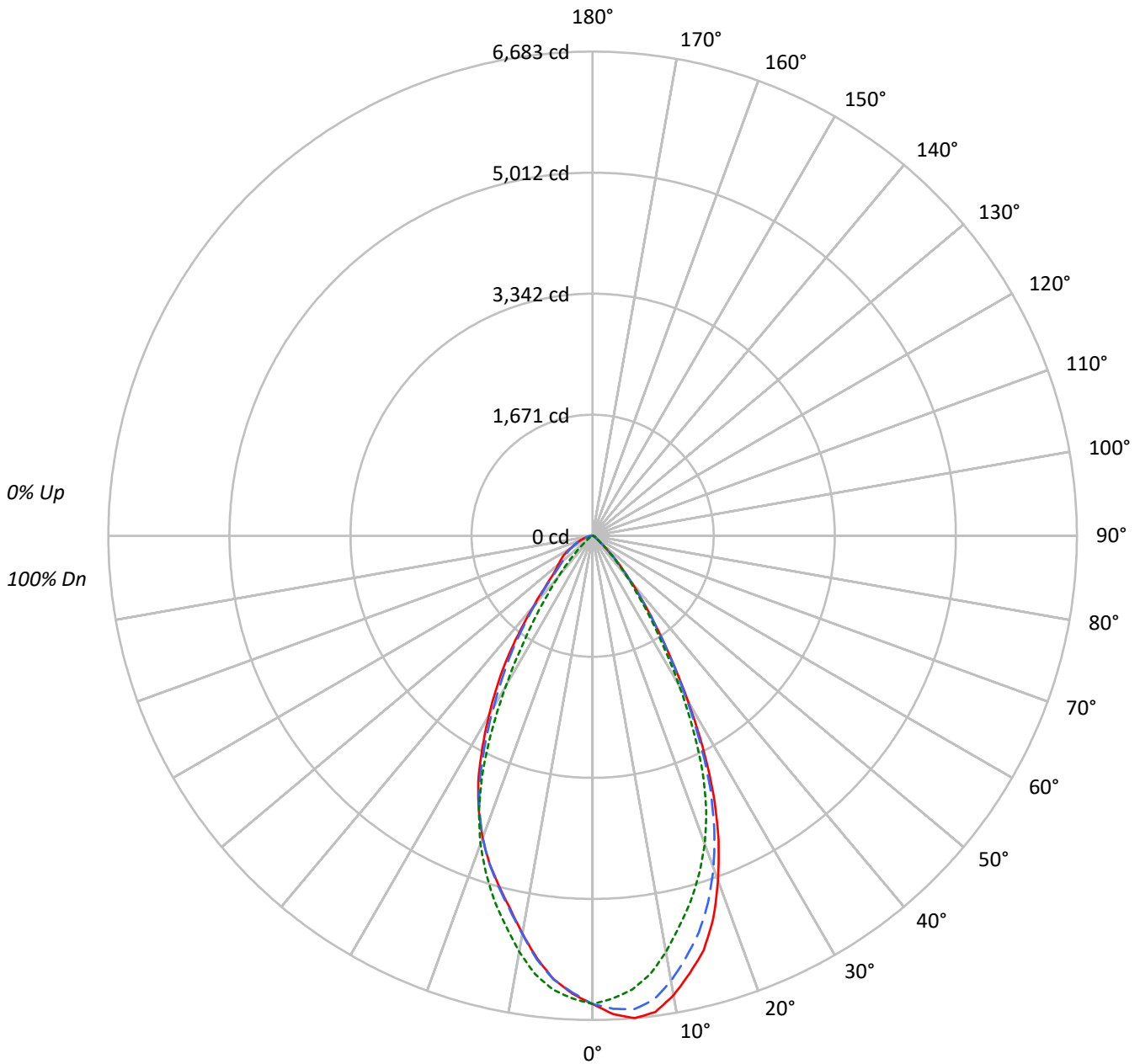
Lumens per Lamp: N/A
Luminaire Lumens: 5564.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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								
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92								
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85								
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78								
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73								
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67								
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63								
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59								
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55								
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52								
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	354275	354275	354275
5°	367752	345965	338140
10°	358343	324510	310237
15°	336075	296523	283702
20°	295041	263975	258929
25°	238623	216865	225805
30°	165893	151068	180718
35°	102245	92541	136389
40°	57858	51876	90577
45°	28096	26801	61820
50°	10703	10703	52544
55°	5859	6929	48495
60°	4276	5504	39734
65°	3619	4696	32546
70°	3126	4023	26815
75°	2944	4130	23024
80°	1768	3536	16732
85°	1761	7045	15788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.6	10.6
10°-20°	1487.0	26.7
20°-30°	1673.9	30.1
30°-40°	1036.5	18.6
40°-50°	412.8	7.4
50°-60°	187.9	3.4
60°-70°	108.0	1.9
70°-80°	51.3	0.9
80°-90°	15.0	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°	3752.5	67.4
0°-40°	4789.0	86.1
0°-60°	5389.7	96.9
0°-90°	5564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5564.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6462	6462	6462	6462	6462	
5°	6683	6560	6287	6150	6145	629
15°	5922	5665	5225	5013	4999	1638
25°	3945	3839	3585	3674	3733	1773
35°	1528	1519	1383	1926	2038	982
45°	362	362	346	753	797	307
55°	61	58	72	446	507	61
65°	28	25	36	248	251	27
75°	14	14	20	106	109	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°	6462.5	6462.5	6462.5	6462.5	6462.5	6462.5	6462.5	6462.5	6462.5
2.5°	6610.3	6548.9	6535.0	6482.0	6392.8	6342.6	6312.0	6289.7	6328.7
5°	6682.8	6615.9	6560.1	6451.4	6286.9	6194.9	6150.3	6114.0	6144.7
7.5°	6629.8	6535.0	6459.7	6309.2	6100.1	5957.9	5896.6	5854.7	5882.6
10°	6437.4	6323.1	6236.7	6058.3	5829.6	5659.6	5584.3	5545.3	5573.2
12.5°	6186.5	6091.7	5960.7	5765.5	5520.2	5341.8	5286.0	5255.3	5266.5
15°	5921.6	5810.1	5665.2	5470.0	5224.7	5046.2	5012.8	4993.3	4998.8
17.5°	5536.9	5428.2	5302.7	5113.1	4887.3	4742.3	4742.3	4728.4	4736.8
20°	5057.4	4998.8	4876.2	4717.2	4524.9	4393.8	4435.7	4421.7	4438.4
22.5°	4538.8	4494.2	4388.3	4257.2	4095.5	3992.4	4084.4	4081.6	4103.9
25°	3945.0	3911.5	3839.0	3727.5	3585.3	3521.2	3674.5	3674.5	3733.1
27.5°	3289.8	3256.3	3206.2	3111.4	2994.3	2974.8	3200.6	3228.5	3292.6
30°	2620.7	2598.4	2570.5	2484.1	2386.5	2422.7	2735.0	2782.4	2854.9
32.5°	2024.1	2010.1	2001.8	1923.7	1837.3	1957.2	2314.0	2375.4	2447.8
35°	1527.8	1497.1	1519.4	1460.9	1382.8	1533.4	1926.5	1979.5	2038.0
37.5°	1126.3	1104.0	1123.6	1081.7	1012.0	1176.5	1547.3	1580.8	1619.8
40°	808.5	789.0	805.7	780.6	724.9	878.2	1212.8	1249.0	1265.7
42.5°	574.3	540.9	557.6	538.1	510.2	660.7	953.5	986.9	992.5
45°	362.4	351.3	362.4	351.3	345.7	490.7	752.8	783.4	797.4
47.5°	220.2	206.3	206.3	200.7	206.3	362.4	621.7	666.3	688.6
50°	125.5	119.9	117.1	114.3	125.5	284.4	538.1	588.3	616.1
52.5°	83.6	80.9	80.9	78.1	92.0	239.8	485.1	529.7	557.6
55°	61.3	58.5	58.5	58.5	72.5	206.3	446.1	482.3	507.4
57.5°	47.4	47.4	47.4	44.6	61.3	175.6	398.7	418.2	437.7
60°	39.0	36.2	36.2	36.2	50.2	150.6	342.9	351.3	362.4
62.5°	30.7	30.7	30.7	30.7	41.8	133.8	295.5	295.5	301.1
65°	27.9	25.1	25.1	25.1	36.2	117.1	248.1	245.3	250.9
67.5°	22.3	22.3	22.3	22.3	30.7	100.4	203.5	200.7	206.3
70°	19.5	19.5	19.5	19.5	25.1	83.6	164.5	161.7	167.3
72.5°	16.7	16.7	16.7	16.7	22.3	69.7	131.0	131.0	133.8
75°	13.9	13.9	13.9	13.9	19.5	53.0	105.9	105.9	108.7
77.5°	11.2	11.2	11.2	11.2	13.9	41.8	80.9	78.1	78.1
80°	5.6	8.4	8.4	8.4	11.2	30.7	58.5	53.0	53.0
82.5°	2.8	5.6	5.6	5.6	11.2	22.3	39.0	36.2	36.2
85°	2.8	2.8	2.8	8.4	11.2	16.7	25.1	25.1	25.1
87.5°	0.0	2.8	5.6	11.2	13.9	13.9	16.7	13.9	13.9
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)