

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: P799857

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799857
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 EU6559035 6LBMDDWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

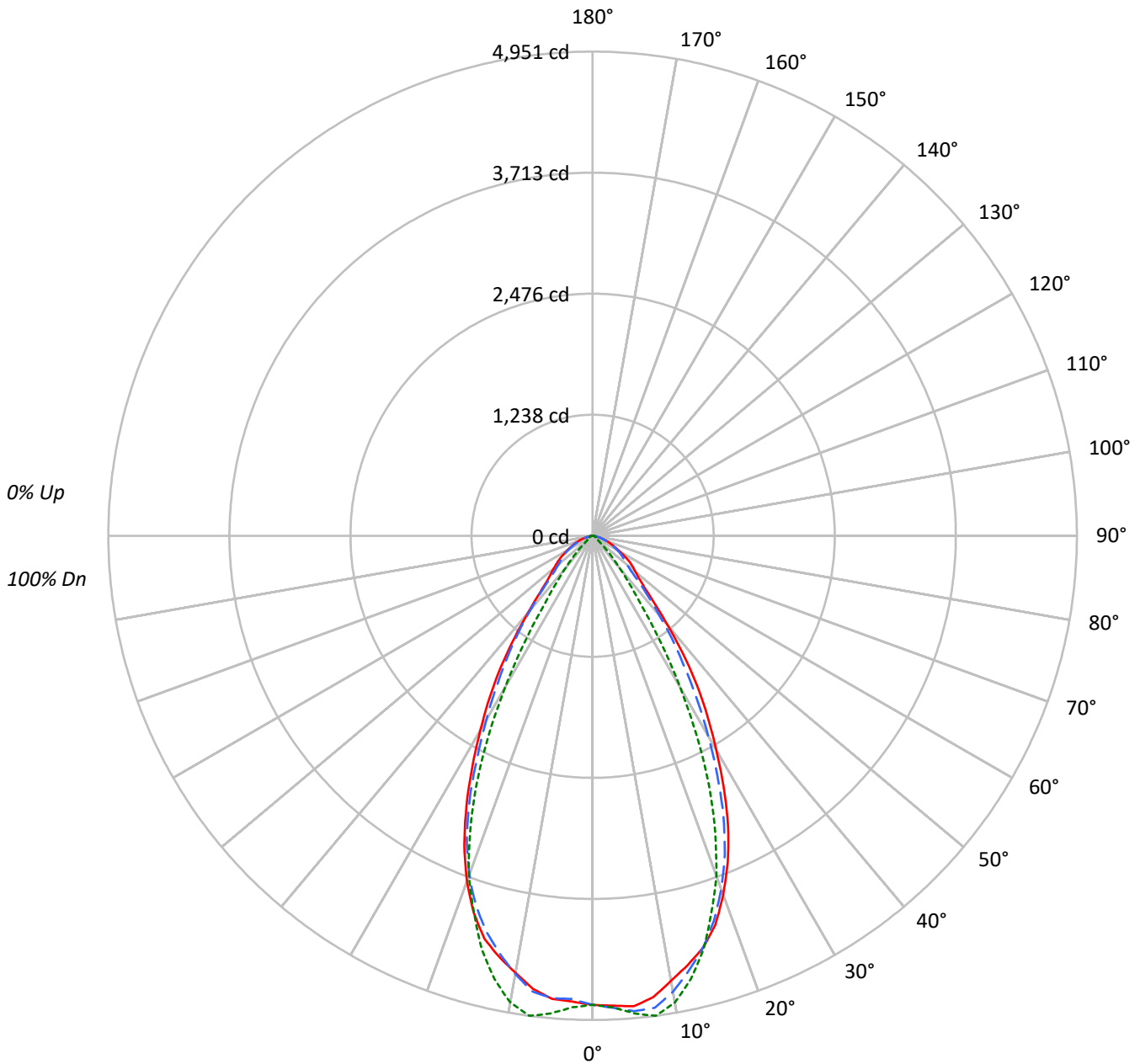
Lumens per Lamp: N/A
Luminaire Lumens: 4884.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	262994	262994	262994
5°	265743	269771	261583
10°	257132	269768	252651
15°	247482	248452	242220
20°	227771	215811	219230
25°	198229	170181	184650
30°	159873	113068	145041
35°	123948	58297	108924
40°	85045	30207	73345
45°	58270	15133	51455
50°	48493	6448	44118
55°	43611	5601	39416
60°	34515	5350	32903
65°	28486	4748	28174
70°	23081	4296	23081
75°	17051	4660	18088
80°	10008	3852	10797
85°	7674	4592	7674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.7	9.4
10°-20°	1198.6	24.5
20°-30°	1368.1	28.0
30°-40°	907.3	18.6
40°-50°	437.6	9.0
50°-60°	269.2	5.5
60°-70°	162.9	3.3
70°-80°	68.5	1.4
80°-90°	15.1	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°	3023.4	61.9
0°-40°	3930.7	80.5
0°-60°	4637.5	95.0
0°-90°	4884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4884.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4797	4797	4797	4797	4797	
5°	4829	4880	4902	4746	4754	454
15°	4361	4361	4378	4192	4268	1215
25°	3277	3167	2814	2977	3053	1486
35°	1852	1632	871	1523	1628	1146
45°	752	659	195	615	664	613
55°	456	371	59	371	412	401
65°	220	210	37	198	217	221
75°	80	80	22	76	85	86
85°	12	17	7	12	12	16
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°	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4
2.5°	4809.6	4816.9	4831.5	4834.0	4826.7	4780.3	4741.3	4755.9	4768.1
5°	4829.1	4843.7	4880.3	4914.5	4902.3	4824.2	4746.1	4743.7	4753.5
7.5°	4758.3	4792.5	4868.1	4953.5	4951.1	4816.9	4702.2	4672.9	4672.9
10°	4619.2	4651.0	4733.9	4848.6	4846.2	4677.8	4550.9	4536.3	4538.7
12.5°	4494.8	4509.4	4550.9	4641.2	4641.2	4475.3	4377.7	4392.3	4411.8
15°	4360.6	4370.3	4360.6	4389.9	4377.7	4241.0	4192.2	4238.6	4267.9
17.5°	4170.3	4175.1	4123.9	4084.8	4038.5	3953.1	3965.3	4033.6	4040.9
20°	3904.3	3936.0	3843.3	3743.2	3699.3	3618.8	3687.1	3762.7	3757.9
22.5°	3611.5	3648.1	3528.5	3362.6	3272.3	3240.5	3362.6	3430.9	3428.4
25°	3277.2	3304.0	3167.3	2935.5	2813.5	2808.6	2977.0	3047.8	3052.7
27.5°	2901.4	2911.1	2757.4	2454.8	2303.5	2340.1	2552.4	2650.0	2662.2
30°	2525.6	2520.7	2362.1	1986.3	1786.2	1886.3	2171.8	2279.1	2291.3
32.5°	2181.5	2166.9	1986.3	1537.3	1298.2	1447.0	1822.8	1935.1	1954.6
35°	1852.1	1827.7	1632.5	1137.1	871.1	1093.2	1522.7	1620.3	1627.6
37.5°	1508.0	1495.8	1342.1	851.6	607.6	829.7	1242.0	1312.8	1305.5
40°	1188.4	1188.4	1061.5	632.0	422.1	617.4	983.4	1046.8	1024.9
42.5°	932.1	944.3	837.0	466.1	300.1	458.8	778.4	837.0	812.6
45°	751.6	751.6	658.8	346.5	195.2	341.6	614.9	668.6	663.7
47.5°	636.9	627.1	534.4	253.8	107.4	256.2	517.3	583.2	580.8
50°	568.6	553.9	458.8	200.1	75.6	212.3	453.9	514.9	517.3
52.5°	514.9	492.9	412.4	178.1	65.9	185.5	412.4	461.2	461.2
55°	456.3	444.1	370.9	158.6	58.6	165.9	370.9	414.8	412.4
57.5°	385.5	383.1	331.9	144.0	53.7	146.4	331.9	358.7	348.9
60°	314.8	324.5	287.9	129.3	48.8	131.8	283.1	305.0	300.1
62.5°	263.5	275.7	251.3	114.7	41.5	117.1	239.1	261.1	256.2
65°	219.6	229.4	209.9	97.6	36.6	97.6	197.7	217.2	217.2
67.5°	180.6	187.9	173.3	80.5	31.7	80.5	161.1	178.1	180.6
70°	144.0	148.9	136.6	63.4	26.8	65.9	126.9	144.0	144.0
72.5°	112.2	114.7	107.4	51.2	24.4	51.2	97.6	112.2	112.2
75°	80.5	85.4	80.5	39.0	22.0	39.0	75.6	83.0	85.4
77.5°	46.4	58.6	58.6	31.7	17.1	29.3	53.7	56.1	56.1
80°	31.7	36.6	41.5	22.0	12.2	22.0	34.2	36.6	34.2
82.5°	22.0	24.4	24.4	14.6	9.8	14.6	22.0	24.4	22.0
85°	12.2	17.1	17.1	12.2	7.3	9.8	12.2	14.6	12.2
87.5°	7.3	9.8	12.2	9.8	7.3	7.3	7.3	7.3	4.9
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)