

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: P799834

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799834
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 EU6559027 6LBMDDWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

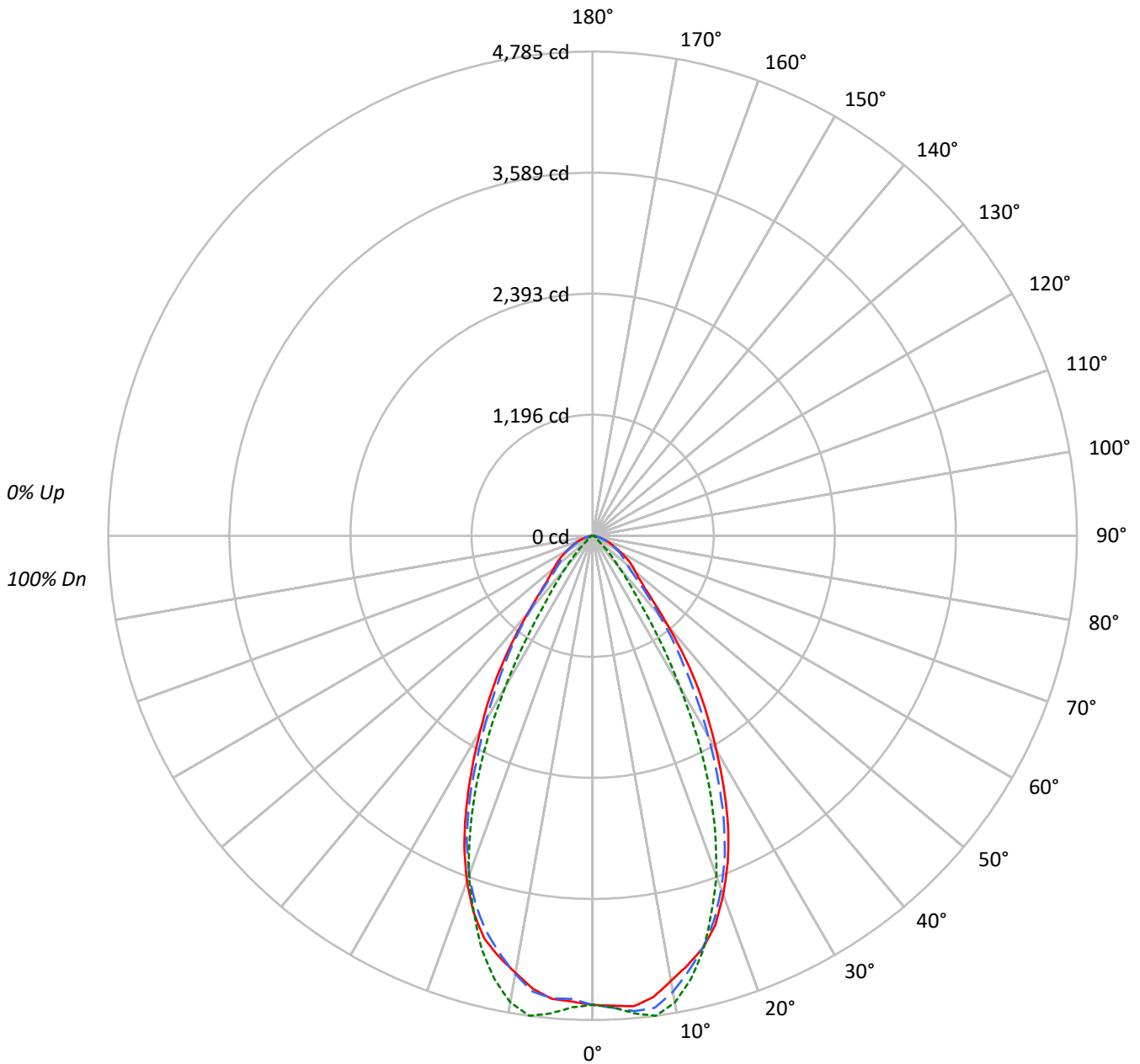
Lumens per Lamp: N/A
Luminaire Lumens: 4720.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	254163	254163	254163
5°	256818	260714	252795
10°	248498	260711	244167
15°	239173	240109	234082
20°	220122	208566	211868
25°	191570	164465	178444
30°	154505	109270	140173
35°	119786	56343	105263
40°	82190	29198	70883
45°	56308	14629	49726
50°	46864	6234	42634
55°	42149	5410	38087
60°	33353	5175	31807
65°	27526	4592	27227
70°	22295	4151	22295
75°	16479	4490	17474
80°	9692	3725	10418
85°	7422	4466	7422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.3	9.4
10°-20°	1158.3	24.5
20°-30°	1322.2	28.0
30°-40°	876.8	18.6
40°-50°	422.9	9.0
50°-60°	260.2	5.5
60°-70°	157.4	3.3
70°-80°	66.2	1.4
80°-90°	14.6	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°	2921.8	61.9
0°-40°	3798.7	80.5
0°-60°	4481.7	95.0
0°-90°	4720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4720.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4636	4636	4636	4636	4636	
5°	4667	4716	4738	4587	4594	438
15°	4214	4214	4231	4051	4124	1174
25°	3167	3061	2719	2877	2950	1436
35°	1790	1578	842	1472	1573	1107
45°	726	637	189	594	641	592
55°	441	358	57	358	398	388
65°	212	203	35	191	210	213
75°	78	78	21	73	82	83
85°	12	16	7	12	12	15
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°	4636.3	4636.3	4636.3	4636.3	4636.3	4636.3	4636.3	4636.3	4636.3
2.5°	4648.1	4655.2	4669.3	4671.7	4664.6	4619.8	4582.0	4596.2	4608.0
5°	4666.9	4681.1	4716.5	4749.5	4737.7	4662.2	4586.8	4584.4	4593.8
7.5°	4598.6	4631.6	4704.7	4787.2	4784.9	4655.2	4544.3	4516.0	4516.0
10°	4464.1	4494.8	4575.0	4685.8	4683.5	4520.7	4398.1	4384.0	4386.3
12.5°	4343.9	4358.0	4398.1	4485.4	4485.4	4325.0	4230.7	4244.8	4263.7
15°	4214.2	4223.6	4214.2	4242.5	4230.7	4098.6	4051.4	4096.3	4124.5
17.5°	4030.2	4034.9	3985.4	3947.7	3902.9	3820.3	3832.1	3898.2	3905.2
20°	3773.2	3803.8	3714.2	3617.5	3575.1	3497.3	3563.3	3636.4	3631.7
22.5°	3490.2	3525.6	3410.0	3249.6	3162.4	3131.7	3249.6	3315.7	3313.3
25°	3167.1	3193.0	3061.0	2837.0	2719.0	2714.3	2877.0	2945.4	2950.1
27.5°	2803.9	2813.4	2664.8	2372.4	2226.2	2261.5	2466.7	2561.0	2572.8
30°	2440.8	2436.1	2282.8	1919.6	1726.2	1822.9	2098.8	2202.6	2214.4
32.5°	2108.3	2094.1	1919.6	1485.7	1254.6	1398.4	1761.6	1870.1	1888.9
35°	1789.9	1766.3	1577.7	1098.9	841.9	1056.5	1471.5	1565.9	1572.9
37.5°	1457.4	1445.6	1297.0	823.0	587.2	801.8	1200.3	1268.7	1261.7
40°	1148.5	1148.5	1025.8	610.8	408.0	596.6	950.4	1011.7	990.5
42.5°	900.8	912.6	808.9	450.4	290.1	443.3	752.3	808.9	785.3
45°	726.3	726.3	636.7	334.9	188.7	330.2	594.3	646.2	641.4
47.5°	615.5	606.1	516.5	245.3	103.8	247.6	499.9	563.6	561.3
50°	549.5	535.3	443.3	193.4	73.1	205.2	438.6	497.6	499.9
52.5°	497.6	476.4	398.5	172.2	63.7	179.2	398.5	445.7	445.7
55°	441.0	429.2	358.5	153.3	56.6	160.4	358.5	400.9	398.5
57.5°	372.6	370.2	320.7	139.1	51.9	141.5	320.7	346.7	337.2
60°	304.2	313.6	278.3	125.0	47.2	127.3	273.6	294.8	290.1
62.5°	254.7	266.5	242.9	110.8	40.1	113.2	231.1	252.3	247.6
65°	212.2	221.7	202.8	94.3	35.4	94.3	191.0	209.9	209.9
67.5°	174.5	181.6	167.4	77.8	30.7	77.8	155.6	172.2	174.5
70°	139.1	143.9	132.1	61.3	25.9	63.7	122.6	139.1	139.1
72.5°	108.5	110.8	103.8	49.5	23.6	49.5	94.3	108.5	108.5
75°	77.8	82.5	77.8	37.7	21.2	37.7	73.1	80.2	82.5
77.5°	44.8	56.6	56.6	30.7	16.5	28.3	51.9	54.2	54.2
80°	30.7	35.4	40.1	21.2	11.8	21.2	33.0	35.4	33.0
82.5°	21.2	23.6	23.6	14.1	9.4	14.1	21.2	23.6	21.2
85°	11.8	16.5	16.5	11.8	7.1	9.4	11.8	14.1	11.8
87.5°	7.1	9.4	11.8	9.4	7.1	7.1	7.1	7.1	4.7
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)