

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: P799833

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799833
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 6LBMDDWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

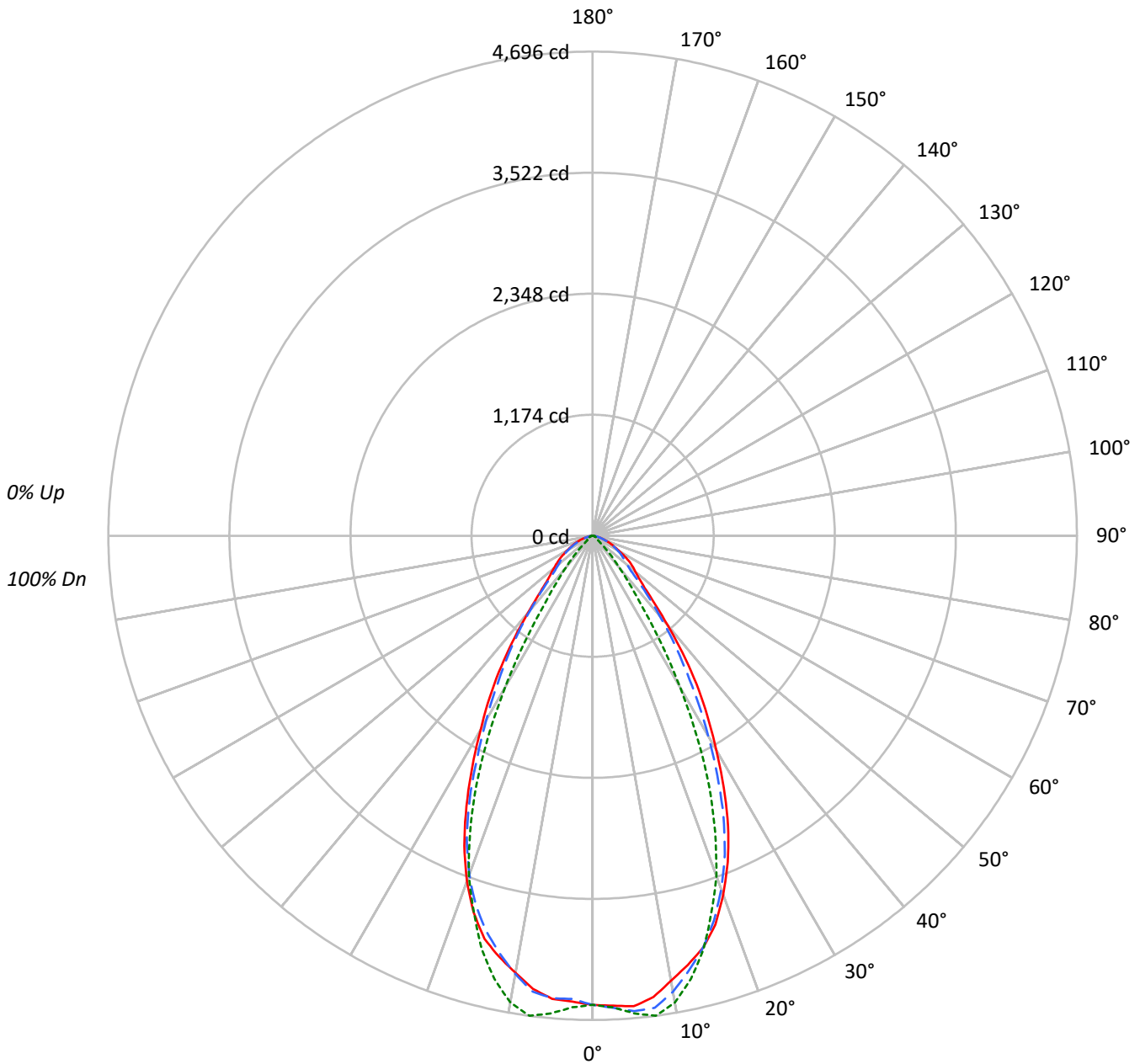
Lumens per Lamp: N/A
Luminaire Lumens: 4632.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799833

CATALOG NUMBER: LD6C55D010 EU6559027 6LBMDDWH

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°	249421	249421	249421
5°	252030	255854	248084
10°	243867	255846	239614
15°	234712	235631	229723
20°	216015	204674	207918
25°	188001	161398	175117
30°	151625	107232	137559
35°	117550	55292	103302
40°	80651	28654	69559
45°	55262	14350	48804
50°	45986	6115	41841
55°	41365	5304	37380
60°	32728	5076	31215
65°	27020	4501	26721
70°	21879	4087	21879
75°	16182	4406	17157
80°	9502	3662	10229
85°	7296	4340	7296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.1	9.4
10°-20°	1136.7	24.5
20°-30°	1297.5	28.0
30°-40°	860.5	18.6
40°-50°	415.0	9.0
50°-60°	255.3	5.5
60°-70°	154.5	3.3
70°-80°	65.0	1.4
80°-90°	14.3	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°	2867.4	61.9
0°-40°	3727.9	80.5
0°-60°	4398.2	95.0
0°-90°	4632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4632.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4550	4550	4550	4550	4550	
5°	4580	4628	4649	4501	4508	430
15°	4136	4136	4152	3976	4048	1152
25°	3108	3004	2668	2823	2895	1409
35°	1756	1548	826	1444	1544	1086
45°	713	625	185	583	630	581
55°	433	352	56	352	391	380
65°	208	199	35	188	206	209
75°	76	76	21	72	81	82
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°	4549.8	4549.8	4549.8	4549.8	4549.8	4549.8	4549.8	4549.8	4549.8
2.5°	4561.4	4568.4	4582.2	4584.6	4577.6	4533.6	4496.6	4510.5	4522.1
5°	4579.9	4593.8	4628.5	4660.9	4649.4	4575.3	4501.2	4498.9	4508.2
7.5°	4512.8	4545.2	4617.0	4698.0	4695.6	4568.4	4459.6	4431.8	4431.8
10°	4380.9	4411.0	4489.7	4598.4	4596.1	4436.4	4316.1	4302.2	4304.5
12.5°	4262.9	4276.8	4316.1	4401.7	4401.7	4244.4	4151.8	4165.7	4184.2
15°	4135.6	4144.9	4135.6	4163.4	4151.8	4022.2	3975.9	4019.9	4047.7
17.5°	3955.1	3959.7	3911.1	3874.1	3830.1	3749.1	3760.7	3825.5	3832.4
20°	3702.8	3732.9	3645.0	3550.1	3508.4	3432.1	3496.9	3568.6	3564.0
22.5°	3425.1	3459.8	3346.4	3189.1	3103.4	3073.3	3189.1	3253.9	3251.5
25°	3108.1	3133.5	3003.9	2784.1	2668.3	2663.7	2823.4	2890.5	2895.1
27.5°	2751.7	2760.9	2615.1	2328.2	2184.7	2219.4	2420.7	2513.3	2524.9
30°	2395.3	2390.6	2240.2	1883.8	1694.0	1788.9	2059.7	2161.5	2173.1
32.5°	2069.0	2055.1	1883.8	1458.0	1231.2	1372.4	1728.8	1835.2	1853.7
35°	1756.5	1733.4	1548.2	1078.4	826.2	1036.8	1444.1	1536.7	1543.6
37.5°	1430.2	1418.6	1272.8	807.7	576.3	786.9	1178.0	1245.1	1238.1
40°	1127.0	1127.0	1006.7	599.4	400.4	585.5	932.6	992.8	972.0
42.5°	884.0	895.6	793.8	442.0	284.7	435.1	738.3	793.8	770.7
45°	712.8	712.8	624.9	328.6	185.1	324.0	583.2	634.1	629.5
47.5°	604.0	594.8	506.8	240.7	101.8	243.0	490.6	553.1	550.8
50°	539.2	525.3	435.1	189.8	71.7	201.3	430.5	488.3	490.6
52.5°	488.3	467.5	391.1	168.9	62.5	175.9	391.1	437.4	437.4
55°	432.8	421.2	351.8	150.4	55.5	157.4	351.8	393.4	391.1
57.5°	365.7	363.3	314.7	136.5	50.9	138.9	314.7	340.2	330.9
60°	298.5	307.8	273.1	122.7	46.3	125.0	268.5	289.3	284.7
62.5°	249.9	261.5	238.4	108.8	39.3	111.1	226.8	247.6	243.0
65°	208.3	217.5	199.0	92.6	34.7	92.6	187.5	206.0	206.0
67.5°	171.3	178.2	164.3	76.4	30.1	76.4	152.7	168.9	171.3
70°	136.5	141.2	129.6	60.2	25.5	62.5	120.3	136.5	136.5
72.5°	106.5	108.8	101.8	48.6	23.1	48.6	92.6	106.5	106.5
75°	76.4	81.0	76.4	37.0	20.8	37.0	71.7	78.7	81.0
77.5°	44.0	55.5	55.5	30.1	16.2	27.8	50.9	53.2	53.2
80°	30.1	34.7	39.3	20.8	11.6	20.8	32.4	34.7	32.4
82.5°	20.8	23.1	23.1	13.9	9.3	13.9	20.8	23.1	20.8
85°	11.6	16.2	16.2	11.6	6.9	9.3	11.6	13.9	11.6
87.5°	6.9	9.3	11.6	9.3	6.9	6.9	6.9	6.9	4.6
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)