

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: P799863

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799863
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 EU6559035 6LBMDSWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

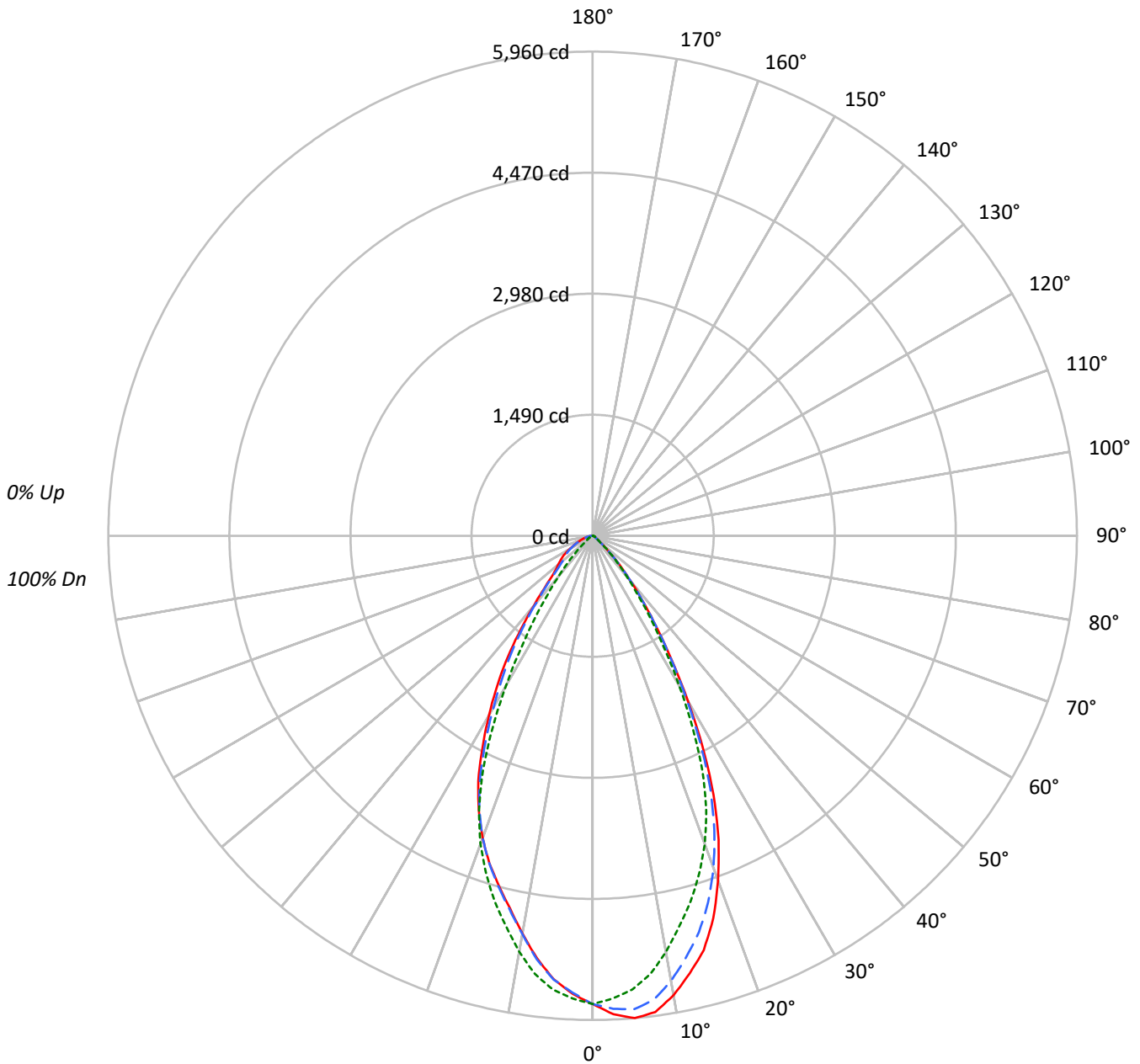
Lumens per Lamp: N/A
Luminaire Lumens: 4962.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799863

CATALOG NUMBER: LD6C55D010 EU6559035 6LBMSWH

Luminous Intensity Polar Plot





TEST NUMBER: P799863

CATALOG NUMBER: LD6C55D010 EU6559035 6LBMDSWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	315945	315945	315945
5°	327960	308534	301557
10°	319572	289401	276670
15°	299718	264440	253009
20°	263118	235413	230915
25°	212801	193402	201375
30°	147940	134723	161164
35°	91183	82530	121633
40°	51597	46258	80780
45°	25057	23902	55130
50°	9543	9543	46864
55°	5228	6174	43248
60°	3815	4912	35436
65°	3230	4190	29030
70°	2789	3590	23914
75°	2626	3685	20545
80°	1578	3125	14901
85°	1572	6227	14089



TEST NUMBER: P799863

CATALOG NUMBER: LD6C55D010 EU6559035 6LBMDSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.6	10.6
10°-20°	1326.1	26.7
20°-30°	1492.8	30.1
30°-40°	924.4	18.6
40°-50°	368.1	7.4
50°-60°	167.6	3.4
60°-70°	96.3	1.9
70°-80°	45.7	0.9
80°-90°	13.3	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°	3346.5	67.4
0°-40°	4270.9	86.1
0°-60°	4806.6	96.9
0°-90°	4962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4962.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5763	5763	5763	5763	5763	
5°	5960	5850	5607	5485	5480	561
15°	5281	5052	4659	4470	4458	1461
25°	3518	3424	3197	3277	3329	1581
35°	1362	1355	1233	1718	1818	876
45°	323	323	308	671	711	274
55°	55	52	65	398	452	54
65°	25	22	32	221	224	24
75°	12	12	17	94	97	13
85°	2	2	10	22	22	2
90°	0	0	0	0	0	



TEST NUMBER: P799863

CATALOG NUMBER: LD6C55D010 EU6559035 6LBMDSWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5763.3	5763.3	5763.3	5763.3	5763.3	5763.3	5763.3	5763.3	5763.3
2.5°	5895.1	5840.4	5827.9	5780.7	5701.1	5656.4	5629.0	5609.1	5644.0
5°	5959.7	5900.0	5850.3	5753.4	5606.7	5524.6	5484.8	5452.5	5479.9
7.5°	5912.5	5827.9	5760.8	5626.6	5440.1	5313.3	5258.6	5221.3	5246.1
10°	5740.9	5639.0	5561.9	5402.8	5198.9	5047.2	4980.1	4945.3	4970.2
12.5°	5517.2	5432.6	5315.8	5141.7	4922.9	4763.8	4714.1	4686.7	4696.7
15°	5281.0	5181.5	5052.2	4878.2	4659.4	4500.2	4470.4	4453.0	4458.0
17.5°	4937.8	4840.9	4729.0	4559.9	4358.5	4229.2	4229.2	4216.8	4224.3
20°	4510.2	4458.0	4348.6	4206.9	4035.3	3918.4	3955.7	3943.3	3958.2
22.5°	4047.7	4008.0	3913.5	3796.6	3652.4	3560.4	3642.5	3640.0	3659.9
25°	3518.1	3488.3	3423.7	3324.2	3197.4	3140.2	3277.0	3277.0	3329.2
27.5°	2933.9	2904.0	2859.3	2774.7	2670.3	2652.9	2854.3	2879.2	2936.3
30°	2337.1	2317.3	2292.4	2215.3	2128.3	2160.6	2439.1	2481.4	2546.0
32.5°	1805.1	1792.6	1785.2	1715.6	1638.5	1745.4	2063.6	2118.3	2183.0
35°	1362.5	1335.2	1355.0	1302.8	1233.2	1367.5	1718.1	1765.3	1817.5
37.5°	1004.5	984.6	1002.0	964.7	902.5	1049.2	1379.9	1409.7	1444.6
40°	721.0	703.6	718.5	696.2	646.4	783.2	1081.6	1113.9	1128.8
42.5°	512.2	482.3	497.3	479.9	455.0	589.3	850.3	880.2	885.1
45°	323.2	313.3	323.2	313.3	308.3	437.6	671.3	698.7	711.1
47.5°	196.4	184.0	184.0	179.0	184.0	323.2	554.5	594.2	614.1
50°	111.9	106.9	104.4	101.9	111.9	253.6	479.9	524.6	549.5
52.5°	74.6	72.1	72.1	69.6	82.0	213.8	432.6	472.4	497.3
55°	54.7	52.2	52.2	52.2	64.6	184.0	397.8	430.1	452.5
57.5°	42.3	42.3	42.3	39.8	54.7	156.6	355.5	372.9	390.4
60°	34.8	32.3	32.3	32.3	44.8	134.3	305.8	313.3	323.2
62.5°	27.3	27.3	27.3	27.3	37.3	119.3	263.6	263.6	268.5
65°	24.9	22.4	22.4	22.4	32.3	104.4	221.3	218.8	223.8
67.5°	19.9	19.9	19.9	19.9	27.3	89.5	181.5	179.0	184.0
70°	17.4	17.4	17.4	17.4	22.4	74.6	146.7	144.2	149.2
72.5°	14.9	14.9	14.9	14.9	19.9	62.2	116.9	116.9	119.3
75°	12.4	12.4	12.4	12.4	17.4	47.2	94.5	94.5	97.0
77.5°	9.9	9.9	9.9	9.9	12.4	37.3	72.1	69.6	69.6
80°	5.0	7.5	7.5	7.5	9.9	27.3	52.2	47.2	47.2
82.5°	2.5	5.0	5.0	5.0	9.9	19.9	34.8	32.3	32.3
85°	2.5	2.5	2.5	7.5	9.9	14.9	22.4	22.4	22.4
87.5°	0.0	2.5	5.0	9.9	12.4	12.4	14.9	12.4	12.4
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)