

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: P799854

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799854
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 EU6559030 6LBMDSWWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

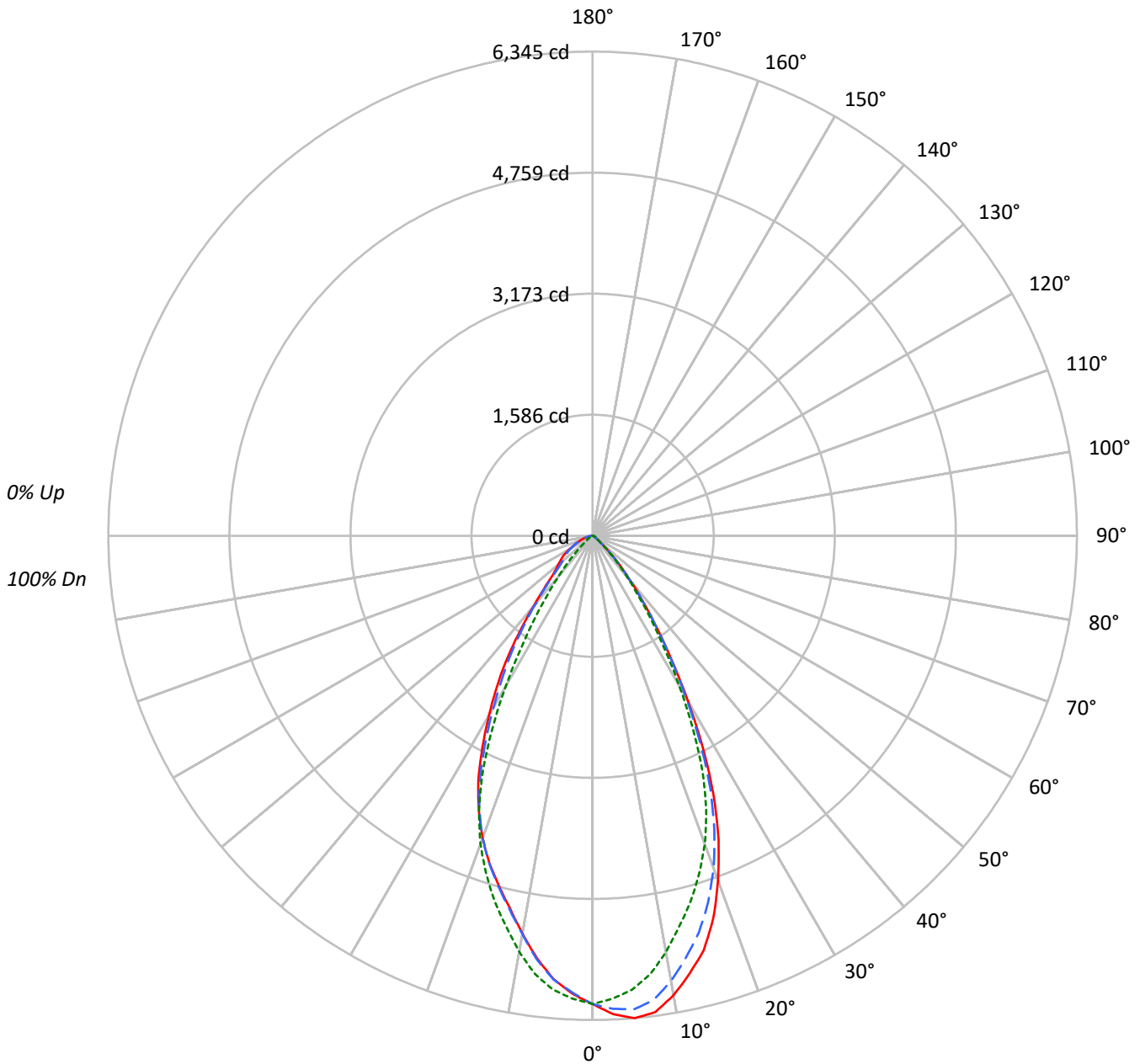
Lumens per Lamp: N/A
Luminaire Lumens: 5283.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	336382	336382	336382
5°	349179	328494	321065
10°	340246	308122	294567
15°	319105	281545	269377
20°	280141	250645	245856
25°	226568	205917	214404
30°	157512	143440	171590
35°	97079	87870	129503
40°	54939	49257	86004
45°	26677	25445	58696
50°	10157	10157	49892
55°	5563	6576	46049
60°	4068	5219	37727
65°	3437	4462	30898
70°	2965	3815	25453
75°	2796	3918	21859
80°	1673	3346	15880
85°	1635	6667	14970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.7	10.6
10°-20°	1411.9	26.7
20°-30°	1589.4	30.1
30°-40°	984.2	18.6
40°-50°	391.9	7.4
50°-60°	178.4	3.4
60°-70°	102.6	1.9
70°-80°	48.7	0.9
80°-90°	14.2	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°	3563.0	67.4
0°-40°	4547.2	86.1
0°-60°	5117.5	96.9
0°-90°	5283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5283.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6136	6136	6136	6136	6136	
5°	6345	6229	5969	5840	5834	598
15°	5623	5379	4961	4760	4746	1556
25°	3746	3645	3404	3489	3545	1684
35°	1451	1443	1313	1829	1935	932
45°	344	344	328	715	757	292
55°	58	56	69	424	482	58
65°	26	24	34	236	238	26
75°	13	13	18	101	103	14
85°	3	3	11	24	24	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°	6136.1	6136.1	6136.1	6136.1	6136.1	6136.1	6136.1	6136.1	6136.1
2.5°	6276.4	6218.2	6205.0	6154.7	6070.0	6022.3	5993.2	5972.0	6009.1
5°	6345.3	6281.7	6228.8	6125.5	5969.4	5882.0	5839.7	5805.2	5834.4
7.5°	6295.0	6205.0	6133.5	5990.5	5792.0	5657.0	5598.8	5559.1	5585.5
10°	6112.3	6003.8	5921.7	5752.3	5535.2	5373.8	5302.3	5265.2	5291.7
12.5°	5874.1	5784.1	5659.6	5474.3	5241.4	5072.0	5019.0	4989.9	5000.5
15°	5622.6	5516.7	5379.0	5193.7	4960.8	4791.4	4759.6	4741.1	4746.4
17.5°	5257.3	5154.0	5034.9	4854.9	4640.5	4502.8	4502.8	4489.6	4497.5
20°	4802.0	4746.4	4629.9	4479.0	4296.4	4171.9	4211.6	4198.4	4214.3
22.5°	4309.6	4267.2	4166.6	4042.2	3888.7	3790.7	3878.1	3875.5	3896.6
25°	3745.7	3714.0	3645.2	3539.3	3404.3	3343.4	3489.0	3489.0	3544.6
27.5°	3123.7	3091.9	3044.2	2954.2	2843.1	2824.5	3038.9	3065.4	3126.3
30°	2488.3	2467.2	2440.7	2358.6	2266.0	2300.4	2596.9	2641.9	2710.7
32.5°	1921.8	1908.6	1900.7	1826.5	1744.5	1858.3	2197.2	2255.4	2324.2
35°	1450.6	1421.5	1442.7	1387.1	1313.0	1455.9	1829.2	1879.5	1935.1
37.5°	1069.5	1048.3	1066.8	1027.1	960.9	1117.1	1469.2	1500.9	1538.0
40°	767.7	749.1	765.0	741.2	688.3	833.9	1151.5	1185.9	1201.8
42.5°	545.3	513.6	529.4	510.9	484.4	627.4	905.3	937.1	942.4
45°	344.1	333.5	344.1	333.5	328.2	465.9	714.7	743.9	757.1
47.5°	209.1	195.9	195.9	190.6	195.9	344.1	590.3	632.7	653.9
50°	119.1	113.8	111.2	108.5	119.1	270.0	510.9	558.6	585.0
52.5°	79.4	76.8	76.8	74.1	87.4	227.7	460.6	503.0	529.4
55°	58.2	55.6	55.6	55.6	68.8	195.9	423.5	458.0	481.8
57.5°	45.0	45.0	45.0	42.4	58.2	166.8	378.5	397.1	415.6
60°	37.1	34.4	34.4	34.4	47.6	142.9	325.6	333.5	344.1
62.5°	29.1	29.1	29.1	29.1	39.7	127.1	280.6	280.6	285.9
65°	26.5	23.8	23.8	23.8	34.4	111.2	235.6	233.0	238.2
67.5°	21.2	21.2	21.2	21.2	29.1	95.3	193.2	190.6	195.9
70°	18.5	18.5	18.5	18.5	23.8	79.4	156.2	153.5	158.8
72.5°	15.9	15.9	15.9	15.9	21.2	66.2	124.4	124.4	127.1
75°	13.2	13.2	13.2	13.2	18.5	50.3	100.6	100.6	103.2
77.5°	10.6	10.6	10.6	10.6	13.2	39.7	76.8	74.1	74.1
80°	5.3	7.9	7.9	7.9	10.6	29.1	55.6	50.3	50.3
82.5°	2.6	5.3	5.3	5.3	10.6	21.2	37.1	34.4	34.4
85°	2.6	2.6	2.6	7.9	10.6	15.9	23.8	23.8	23.8
87.5°	0.0	2.6	5.3	10.6	13.2	13.2	15.9	13.2	13.2
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)