

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: P799839

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799839
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 EU6559027 6LBMDSWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

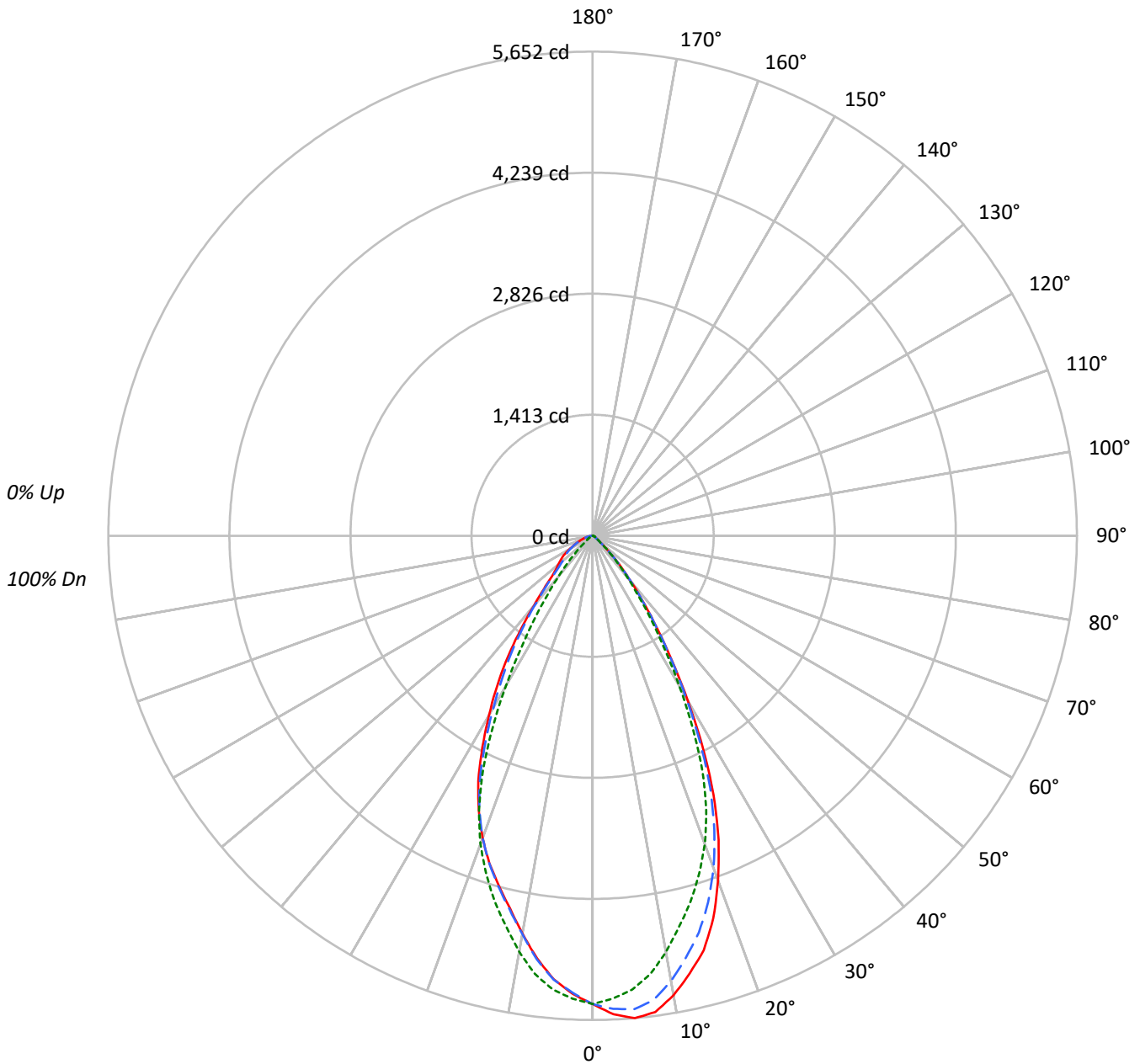
Lumens per Lamp: N/A
Luminaire Lumens: 4706.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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°	299647	299647	299647
5°	311038	292614	285994
10°	303084	274472	262392
15°	284252	250796	239956
20°	249543	223267	219002
25°	201822	183428	190983
30°	140313	127773	152846
35°	86478	78273	115355
40°	48935	43875	76615
45°	23762	22669	52284
50°	9049	9049	44442
55°	4960	5859	41021
60°	3618	4649	33605
65°	3061	3982	27526
70°	2645	3398	22680
75°	2499	3495	19486
80°	1484	2968	14143
85°	1510	5913	13335



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.4	10.6
10°-20°	1257.7	26.7
20°-30°	1415.8	30.1
30°-40°	876.7	18.6
40°-50°	349.1	7.4
50°-60°	158.9	3.4
60°-70°	91.4	1.9
70°-80°	43.4	0.9
80°-90°	12.7	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°	3173.9	67.4
0°-40°	4050.5	86.1
0°-60°	4558.6	96.9
0°-90°	4706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4706.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5466	5466	5466	5466	5466	
5°	5652	5548	5317	5202	5197	532
15°	5008	4792	4419	4240	4228	1386
25°	3337	3247	3032	3108	3157	1500
35°	1292	1285	1170	1629	1724	830
45°	306	306	292	637	674	260
55°	52	50	61	377	429	52
65°	24	21	31	210	212	23
75°	12	12	16	90	92	12
85°	2	2	9	21	21	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°	5466.0	5466.0	5466.0	5466.0	5466.0	5466.0	5466.0	5466.0	5466.0
2.5°	5590.9	5539.1	5527.3	5482.5	5407.0	5364.6	5338.6	5319.8	5352.8
5°	5652.2	5595.7	5548.5	5456.5	5317.4	5239.6	5201.9	5171.2	5197.1
7.5°	5607.4	5527.3	5463.6	5336.3	5159.4	5039.2	4987.3	4951.9	4975.5
10°	5444.7	5348.1	5275.0	5124.0	4930.7	4786.8	4723.2	4690.2	4713.7
12.5°	5232.5	5152.3	5041.5	4876.4	4668.9	4518.0	4470.9	4444.9	4454.4
15°	5008.5	4914.2	4791.6	4626.5	4419.0	4268.1	4239.8	4223.3	4228.0
17.5°	4683.1	4591.1	4485.0	4324.7	4133.7	4011.0	4011.0	3999.3	4006.3
20°	4277.5	4228.0	4124.2	3989.8	3827.1	3716.3	3751.7	3739.9	3754.0
22.5°	3838.9	3801.2	3711.6	3600.7	3464.0	3376.7	3454.5	3452.2	3471.0
25°	3336.6	3308.3	3247.0	3152.7	3032.5	2978.2	3107.9	3107.9	3157.4
27.5°	2782.5	2754.2	2711.8	2631.6	2532.5	2516.0	2707.0	2730.6	2784.9
30°	2216.6	2197.7	2174.1	2101.0	2018.5	2049.1	2313.2	2353.3	2414.6
32.5°	1711.9	1700.2	1693.1	1627.1	1554.0	1655.4	1957.2	2009.1	2070.4
35°	1292.2	1266.3	1285.1	1235.6	1169.6	1296.9	1629.4	1674.2	1723.7
37.5°	952.7	933.8	950.3	914.9	856.0	995.1	1308.7	1337.0	1370.0
40°	683.8	667.3	681.5	660.3	613.1	742.8	1025.8	1056.4	1070.6
42.5°	485.8	457.5	471.6	455.1	431.5	558.9	806.5	834.7	839.5
45°	306.5	297.1	306.5	297.1	292.4	415.0	636.7	662.6	674.4
47.5°	186.3	174.5	174.5	169.8	174.5	306.5	525.8	563.6	582.4
50°	106.1	101.4	99.0	96.7	106.1	240.5	455.1	497.5	521.1
52.5°	70.7	68.4	68.4	66.0	77.8	202.8	410.3	448.0	471.6
55°	51.9	49.5	49.5	49.5	61.3	174.5	377.3	407.9	429.2
57.5°	40.1	40.1	40.1	37.7	51.9	148.6	337.2	353.7	370.2
60°	33.0	30.7	30.7	30.7	42.4	127.3	290.0	297.1	306.5
62.5°	25.9	25.9	25.9	25.9	35.4	113.2	250.0	250.0	254.7
65°	23.6	21.2	21.2	21.2	30.7	99.0	209.9	207.5	212.2
67.5°	18.9	18.9	18.9	18.9	25.9	84.9	172.1	169.8	174.5
70°	16.5	16.5	16.5	16.5	21.2	70.7	139.1	136.8	141.5
72.5°	14.1	14.1	14.1	14.1	18.9	59.0	110.8	110.8	113.2
75°	11.8	11.8	11.8	11.8	16.5	44.8	89.6	89.6	92.0
77.5°	9.4	9.4	9.4	9.4	11.8	35.4	68.4	66.0	66.0
80°	4.7	7.1	7.1	7.1	9.4	25.9	49.5	44.8	44.8
82.5°	2.4	4.7	4.7	4.7	9.4	18.9	33.0	30.7	30.7
85°	2.4	2.4	2.4	7.1	9.4	14.1	21.2	21.2	21.2
87.5°	0.0	2.4	4.7	9.4	11.8	11.8	14.1	11.8	11.8
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)