

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: P799864

Luminaire Tested: **LD6C55D010 EU6559035 6LBMDSWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799864
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 6LBMDSWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

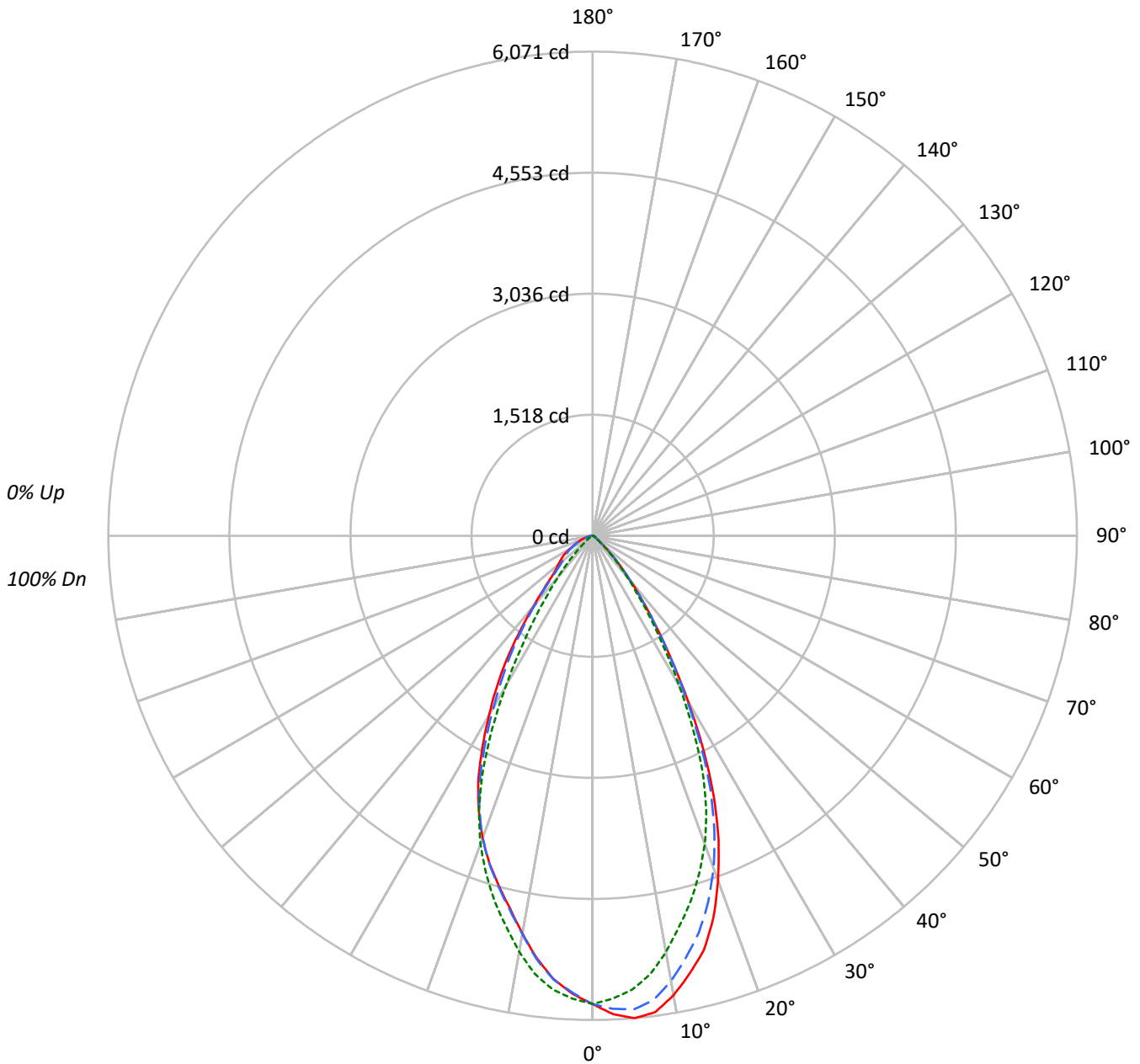
Lumens per Lamp: N/A
Luminaire Lumens: 5055.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	321866	321866	321866
5°	334107	314312	307208
10°	325562	294823	281853
15°	305331	269394	257748
20°	268047	239823	235244
25°	216793	197025	205149
30°	150713	137249	164183
35°	92889	84075	123915
40°	52563	47131	82290
45°	25530	24351	56161
50°	9722	9722	47743
55°	5324	6298	44061
60°	3892	5000	36105
65°	3282	4268	29575
70°	2837	3654	24363
75°	2690	3749	20927
80°	1610	3189	15185
85°	1572	6353	14341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.5	10.6
10°-20°	1350.9	26.7
20°-30°	1520.8	30.1
30°-40°	941.7	18.6
40°-50°	375.0	7.4
50°-60°	170.7	3.4
60°-70°	98.1	1.9
70°-80°	46.6	0.9
80°-90°	13.6	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°	3409.2	67.4
0°-40°	4350.9	86.1
0°-60°	4896.7	96.9
0°-90°	5055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5055.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5871	5871	5871	5871	5871	
5°	6071	5960	5712	5588	5583	572
15°	5380	5147	4747	4554	4542	1488
25°	3584	3488	3257	3338	3392	1611
35°	1388	1380	1256	1750	1852	892
45°	329	329	314	684	724	279
55°	56	53	66	405	461	55
65°	25	23	33	225	228	25
75°	13	13	18	96	99	13
85°	2	2	10	23	23	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°	5871.3	5871.3	5871.3	5871.3	5871.3	5871.3	5871.3	5871.3	5871.3
2.5°	6005.6	5949.8	5937.2	5889.0	5808.0	5762.4	5734.5	5714.3	5749.7
5°	6071.4	6010.6	5960.0	5861.2	5711.7	5628.2	5587.6	5554.7	5582.6
7.5°	6023.3	5937.2	5868.8	5732.0	5542.0	5412.9	5357.1	5319.1	5344.5
10°	5848.5	5744.7	5666.2	5504.0	5296.3	5141.8	5073.4	5038.0	5063.3
12.5°	5620.6	5534.4	5415.4	5238.1	5015.2	4853.1	4802.4	4774.6	4784.7
15°	5379.9	5278.6	5146.9	4969.6	4746.7	4584.6	4554.2	4536.5	4541.5
17.5°	5030.4	4931.6	4817.6	4645.4	4440.2	4308.5	4308.5	4295.8	4303.4
20°	4594.7	4541.5	4430.1	4285.7	4110.9	3991.9	4029.9	4017.2	4032.4
22.5°	4123.6	4083.1	3986.8	3867.8	3720.9	3627.1	3710.7	3708.2	3728.5
25°	3584.1	3553.7	3487.8	3386.5	3257.3	3199.1	3338.4	3338.4	3391.6
27.5°	2988.9	2958.5	2912.9	2826.7	2720.4	2702.6	2907.8	2933.1	2991.4
30°	2380.9	2360.7	2335.4	2256.8	2168.2	2201.1	2484.8	2527.9	2593.7
32.5°	1838.9	1826.2	1818.6	1747.7	1669.2	1778.1	2102.3	2158.1	2223.9
35°	1388.0	1360.2	1380.4	1327.3	1256.3	1393.1	1750.3	1798.4	1851.6
37.5°	1023.3	1003.0	1020.8	982.8	919.5	1068.9	1405.8	1436.2	1471.6
40°	734.5	716.8	732.0	709.2	658.6	797.9	1101.8	1134.7	1149.9
42.5°	521.8	491.4	506.6	488.9	463.5	600.3	866.3	896.7	901.7
45°	329.3	319.1	329.3	319.1	314.1	445.8	683.9	711.8	724.4
47.5°	200.1	187.4	187.4	182.4	187.4	329.3	564.8	605.4	625.6
50°	114.0	108.9	106.4	103.8	114.0	258.4	488.9	534.4	559.8
52.5°	76.0	73.5	73.5	70.9	83.6	217.8	440.7	481.3	506.6
55°	55.7	53.2	53.2	53.2	65.9	187.4	405.3	438.2	461.0
57.5°	43.1	43.1	43.1	40.5	55.7	159.6	362.2	379.9	397.7
60°	35.5	32.9	32.9	32.9	45.6	136.8	311.5	319.1	329.3
62.5°	27.9	27.9	27.9	27.9	38.0	121.6	268.5	268.5	273.6
65°	25.3	22.8	22.8	22.8	32.9	106.4	225.4	222.9	228.0
67.5°	20.3	20.3	20.3	20.3	27.9	91.2	184.9	182.4	187.4
70°	17.7	17.7	17.7	17.7	22.8	76.0	149.4	146.9	152.0
72.5°	15.2	15.2	15.2	15.2	20.3	63.3	119.0	119.0	121.6
75°	12.7	12.7	12.7	12.7	17.7	48.1	96.3	96.3	98.8
77.5°	10.1	10.1	10.1	10.1	12.7	38.0	73.5	70.9	70.9
80°	5.1	7.6	7.6	7.6	10.1	27.9	53.2	48.1	48.1
82.5°	2.5	5.1	5.1	5.1	10.1	20.3	35.5	32.9	32.9
85°	2.5	2.5	2.5	7.6	10.1	15.2	22.8	22.8	22.8
87.5°	0.0	2.5	5.1	10.1	12.7	12.7	15.2	12.7	12.7
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)