

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: P839515

Luminaire Tested: **LD6C55D010 EU6559050 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C55D010 EU6559050 6LCSQWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

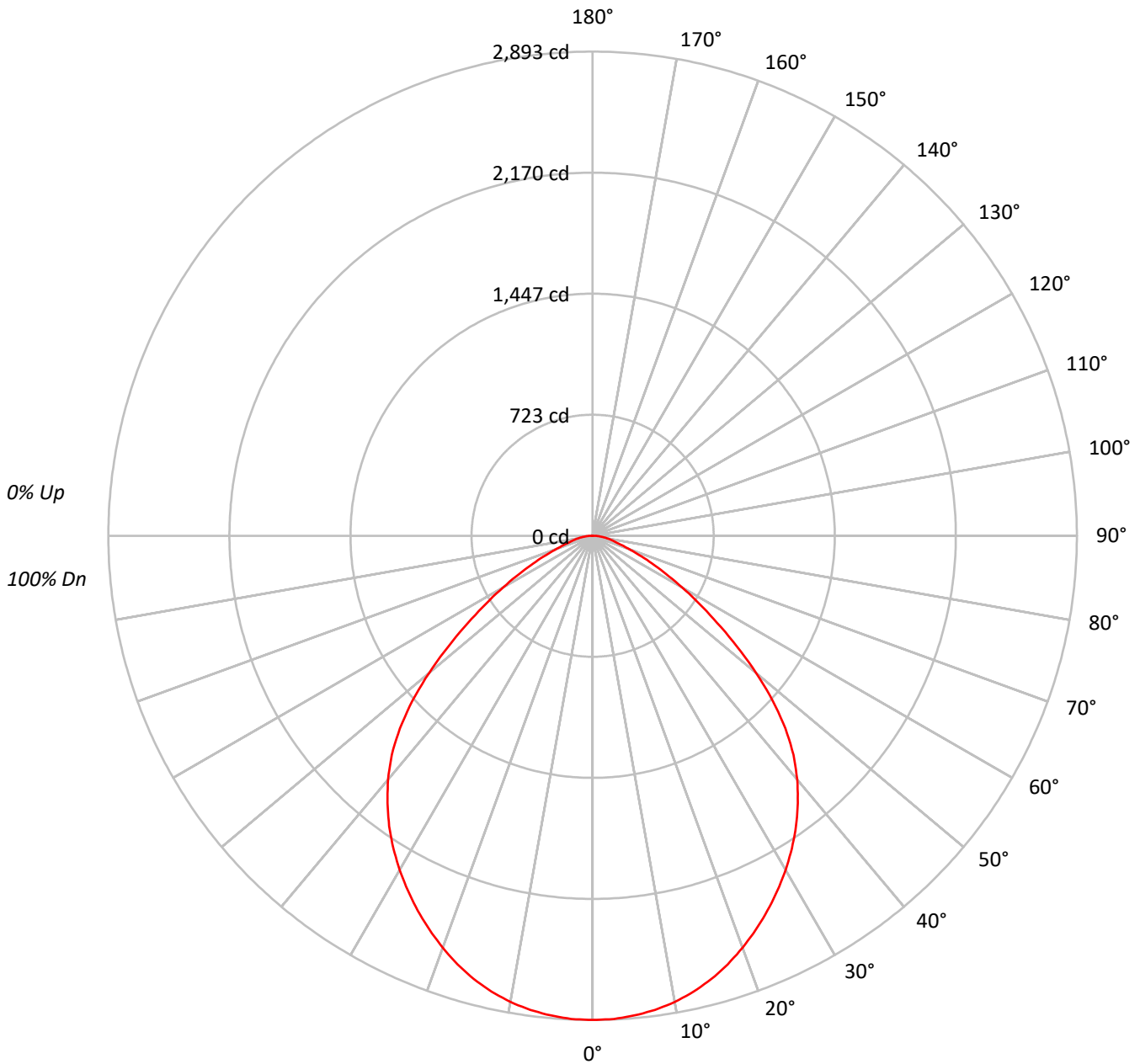
Lumens per Lamp: N/A
Luminaire Lumens: 6168.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V):
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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124547
5°	124344
10°	123666
15°	122237
20°	120018
25°	117417
30°	114621
35°	111351
40°	106874
45°	99135
50°	85403
55°	68129
60°	53036
65°	39702
70°	28815
75°	22840
80°	21398
85°	21341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.1	4.4
10°-20°	772.3	12.5
20°-30°	1138.1	18.5
30°-40°	1322.1	21.4
40°-50°	1242.7	20.1
50°-60°	822.6	13.3
60°-70°	396.4	6.4
70°-80°	152.9	2.5
80°-90°	47.7	0.8
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°	2183.5	35.4
0°-40°	3505.6	56.8
0°-60°	5571.0	90.3
0°-90°	6168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6168.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2893	
5°	2877	273
15°	2742	772
25°	2472	1138
35°	2118	1322
45°	1628	1243
55°	908	823
65°	390	396
75°	137	153
85°	43	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2892.7
2.5°	2890.1
5°	2877.0
7.5°	2857.4
10°	2828.6
12.5°	2789.4
15°	2742.3
17.5°	2684.8
20°	2619.4
22.5°	2547.5
25°	2471.6
27.5°	2390.6
30°	2305.5
32.5°	2215.3
35°	2118.5
37.5°	2012.6
40°	1901.5
42.5°	1775.9
45°	1628.1
47.5°	1460.7
50°	1275.0
52.5°	1086.7
55°	907.6
57.5°	753.3
60°	615.9
62.5°	493.0
65°	389.7
67.5°	302.1
70°	228.9
72.5°	173.9
75°	137.3
77.5°	111.2
80°	86.3
82.5°	64.1
85°	43.2
87.5°	24.8
90°	0.0



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— 0°-180°







(END OF REPORT)