

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: P839508

Luminaire Tested: **LD6C50D010 EU6509035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839508
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: LD6C50D010 EU6509035 6LCSQWLI
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

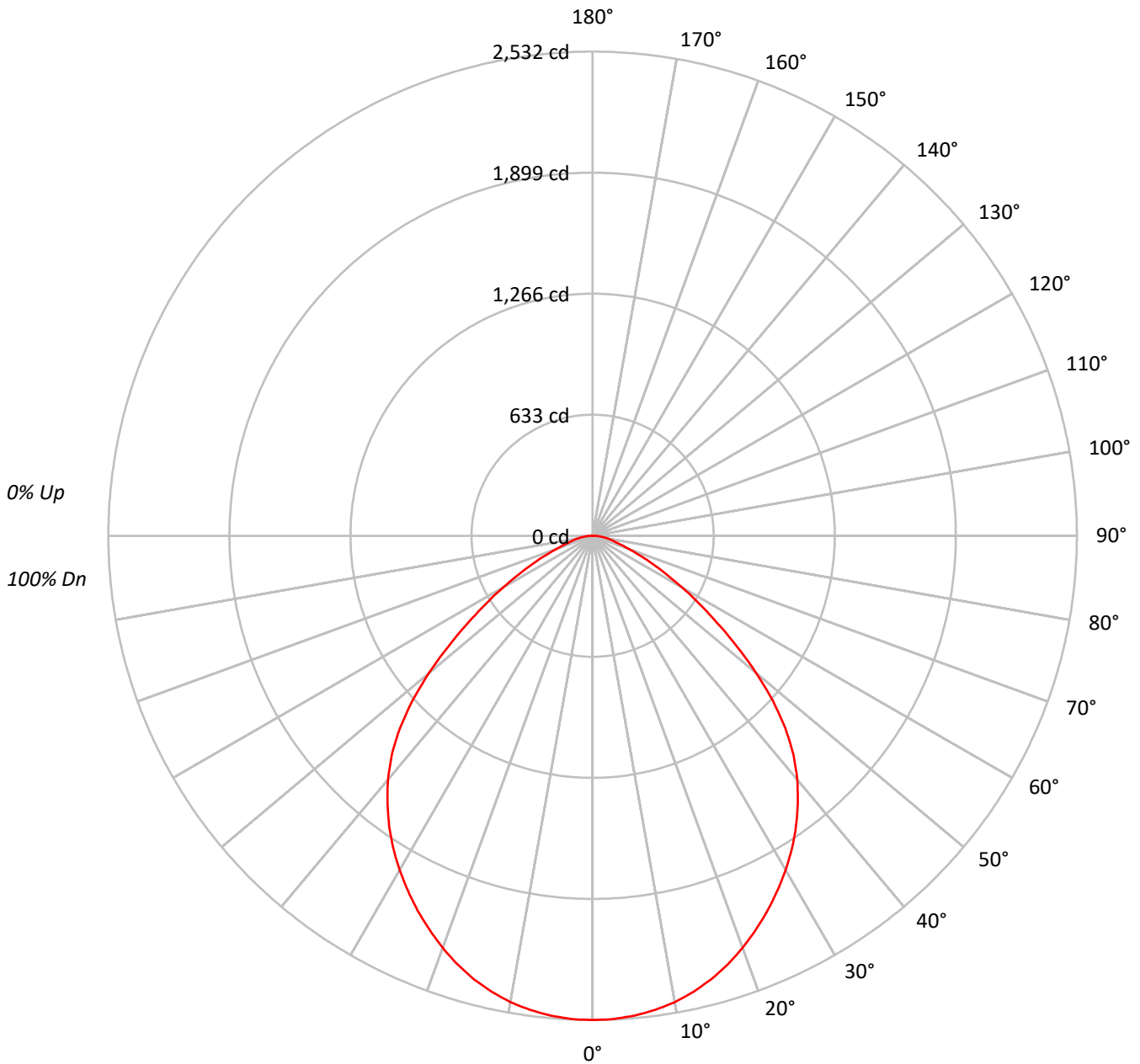
Lumens per Lamp: N/A
Luminaire Lumens: 5399.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109021
5°	108841
10°	108250
15°	106997
20°	105054
25°	102781
30°	100333
35°	97470
40°	93548
45°	86774
50°	74759
55°	59632
60°	46431
65°	34751
70°	25215
75°	19996
80°	18745
85°	18674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.1	4.4
10°-20°	676.0	12.5
20°-30°	996.2	18.5
30°-40°	1157.3	21.4
40°-50°	1087.8	20.1
50°-60°	720.1	13.3
60°-70°	347.0	6.4
70°-80°	133.8	2.5
80°-90°	41.7	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°	1911.3	35.4
0°-40°	3068.6	56.8
0°-60°	4876.4	90.3
0°-90°	5399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5399.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2532	
5°	2518	239
15°	2400	676
25°	2164	996
35°	1854	1157
45°	1425	1088
55°	794	720
65°	341	347
75°	120	134
85°	38	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2532.1
2.5°	2529.8
5°	2518.3
7.5°	2501.2
10°	2476.0
12.5°	2441.6
15°	2400.4
17.5°	2350.1
20°	2292.8
22.5°	2229.9
25°	2163.5
27.5°	2092.5
30°	2018.1
32.5°	1939.1
35°	1854.4
37.5°	1761.7
40°	1664.4
42.5°	1554.5
45°	1425.1
47.5°	1278.6
50°	1116.1
52.5°	951.2
55°	794.4
57.5°	659.3
60°	539.2
62.5°	431.6
65°	341.1
67.5°	264.4
70°	200.3
72.5°	152.2
75°	120.2
77.5°	97.3
80°	75.6
82.5°	56.1
85°	37.8
87.5°	21.7
90°	0.0



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— 0°-180°







(END OF REPORT)