

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: P839507

Luminaire Tested: **LD6C50D010 EU6509030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839507
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 EU6509030 6LCSQWLI
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

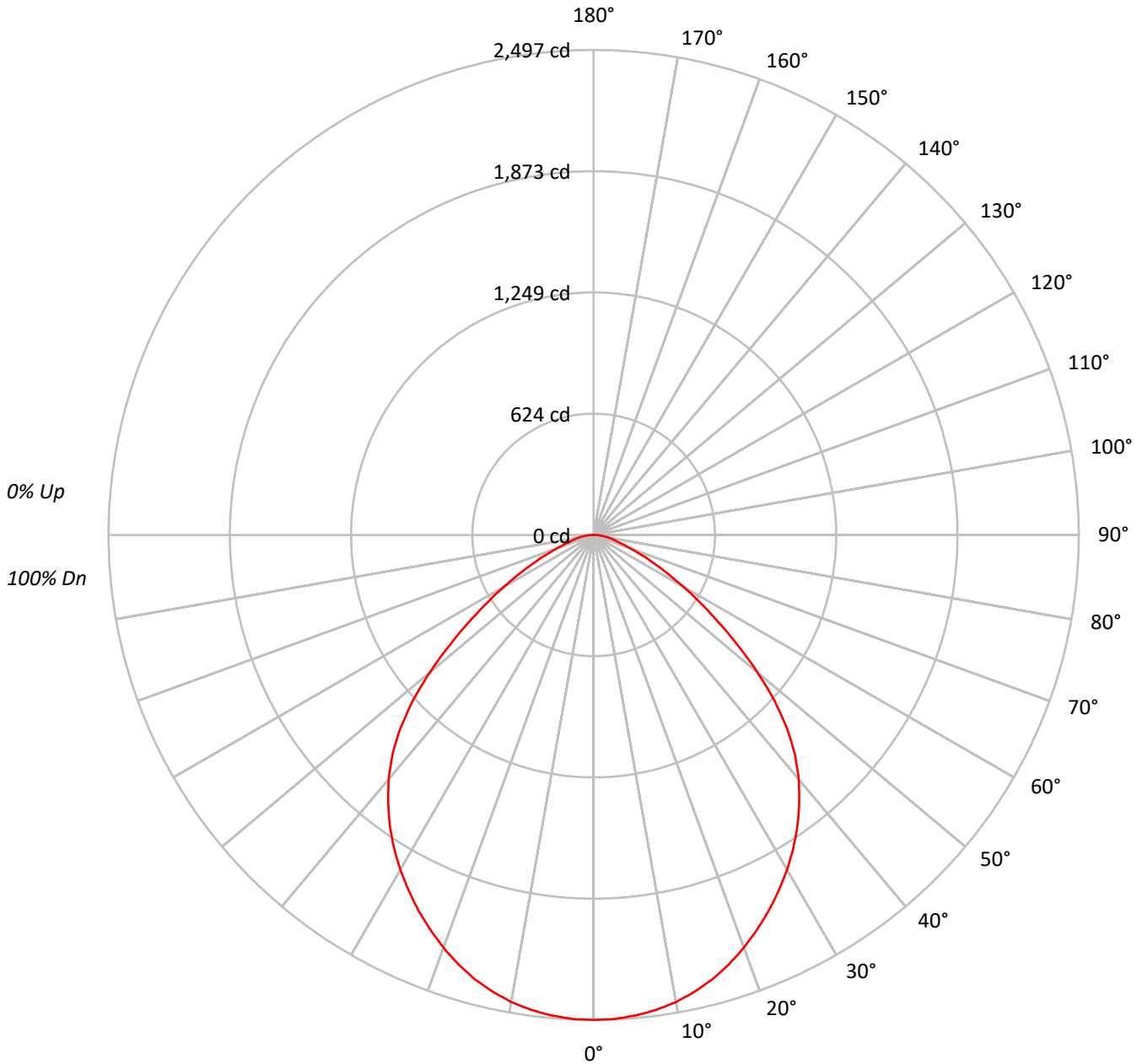
Lumens per Lamp: N/A
Luminaire Lumens: 5324.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	107506
5°	107333
10°	106746
15°	105512
20°	103596
25°	101351
30°	98941
35°	96119
40°	92250
45°	85575
50°	73721
55°	58806
60°	45785
65°	34272
70°	24863
75°	19713
80°	18472
85°	18427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.7	4.4
10°-20°	666.6	12.5
20°-30°	982.4	18.5
30°-40°	1141.2	21.4
40°-50°	1072.7	20.1
50°-60°	710.1	13.3
60°-70°	342.2	6.4
70°-80°	131.9	2.5
80°-90°	41.2	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°	1884.8	35.4
0°-40°	3026.0	56.8
0°-60°	4808.8	90.3
0°-90°	5324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5324.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2497	
5°	2483	236
15°	2367	667
25°	2133	982
35°	1829	1141
45°	1405	1073
55°	783	710
65°	336	342
75°	118	132
85°	37	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2496.9
2.5°	2494.6
5°	2483.4
7.5°	2466.4
10°	2441.6
12.5°	2407.7
15°	2367.1
17.5°	2317.4
20°	2261.0
22.5°	2198.9
25°	2133.4
27.5°	2063.4
30°	1990.1
32.5°	1912.2
35°	1828.7
37.5°	1737.2
40°	1641.3
42.5°	1532.9
45°	1405.4
47.5°	1260.9
50°	1100.6
52.5°	938.0
55°	783.4
57.5°	650.2
60°	531.7
62.5°	425.6
65°	336.4
67.5°	260.8
70°	197.5
72.5°	150.1
75°	118.5
77.5°	95.9
80°	74.5
82.5°	55.3
85°	37.3
87.5°	21.4
90°	0.0



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— 0°-180°







(END OF REPORT)