

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: P839496

Luminaire Tested: **LD6C40D010 EU6409027 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839496
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: LD6C40D010 EU6409027 6LCSQWLI
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

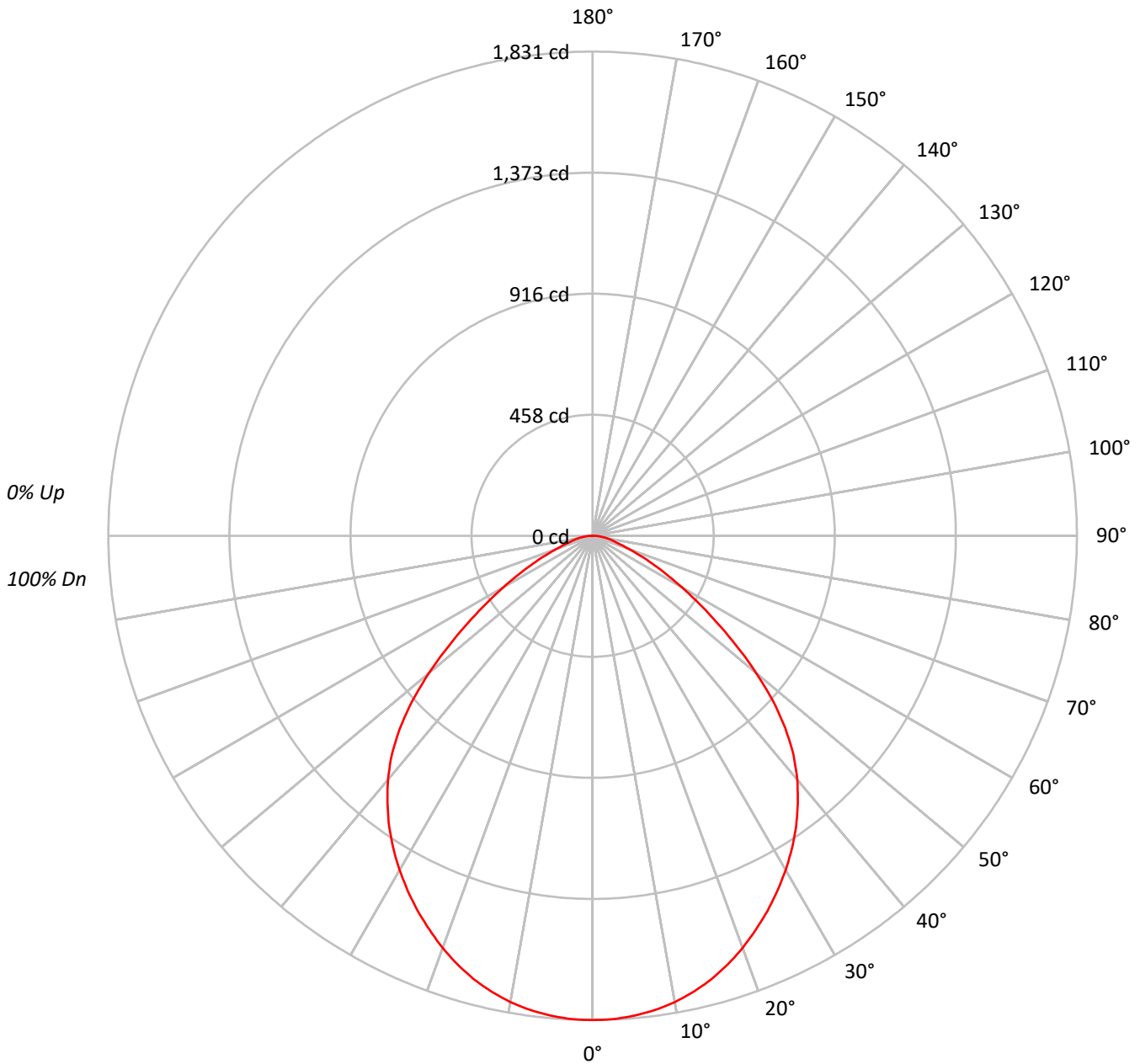
Lumens per Lamp: N/A
Luminaire Lumens: 3905.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	78852
5°	78725
10°	78294
15°	77390
20°	75986
25°	74338
30°	72571
35°	70500
40°	67660
45°	62765
50°	54068
55°	43132
60°	33583
65°	25133
70°	18241
75°	14456
80°	13538
85°	13486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	4.4
10°-20°	489.0	12.5
20°-30°	720.6	18.5
30°-40°	837.0	21.4
40°-50°	786.8	20.1
50°-60°	520.8	13.3
60°-70°	251.0	6.4
70°-80°	96.8	2.5
80°-90°	30.2	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°	1382.4	35.4
0°-40°	2219.5	56.8
0°-60°	3527.1	90.3
0°-90°	3905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3905.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1831	
5°	1822	173
15°	1736	489
25°	1565	721
35°	1341	837
45°	1031	787
55°	575	521
65°	247	251
75°	87	97
85°	27	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1831.4
2.5°	1829.7
5°	1821.5
7.5°	1809.0
10°	1790.8
12.5°	1766.0
15°	1736.2
17.5°	1699.8
20°	1658.4
22.5°	1612.8
25°	1564.8
27.5°	1513.5
30°	1459.7
32.5°	1402.5
35°	1341.3
37.5°	1274.2
40°	1203.8
42.5°	1124.3
45°	1030.8
47.5°	924.8
50°	807.2
52.5°	688.0
55°	574.6
57.5°	476.9
60°	390.0
62.5°	312.1
65°	246.7
67.5°	191.3
70°	144.9
72.5°	110.1
75°	86.9
77.5°	70.4
80°	54.6
82.5°	40.6
85°	27.3
87.5°	15.7
90°	0.0



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— 0°-180°







(END OF REPORT)