

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: P839498

Luminaire Tested: **LD6C40D010 EU6409035 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839498
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 EU6409035 6LCSQWLI
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

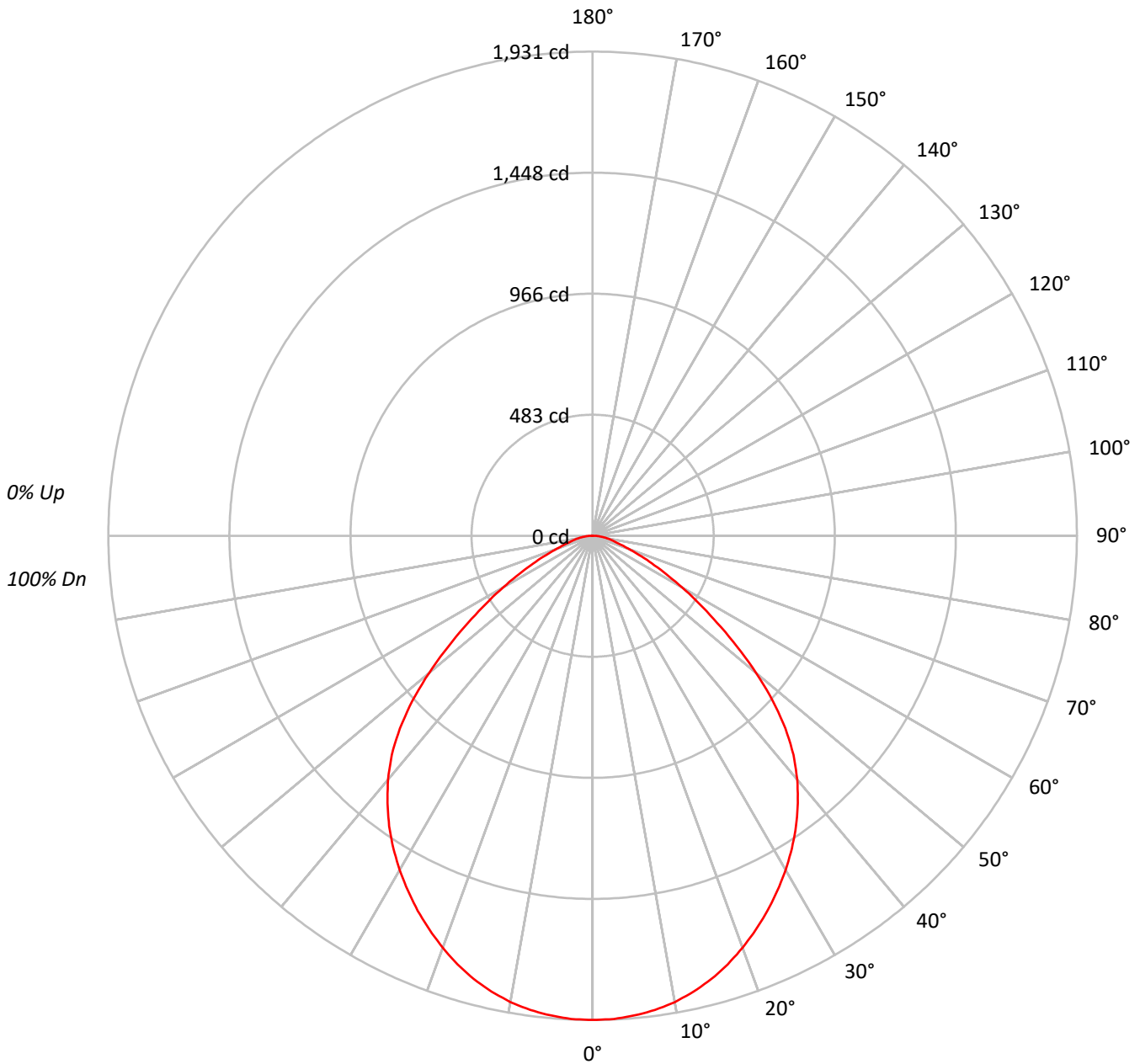
Lumens per Lamp: N/A
Luminaire Lumens: 4117.0 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	83132
5°	83000
10°	82547
15°	81589
20°	80110
25°	78376
30°	76509
35°	74327
40°	71336
45°	66169
50°	57009
55°	45475
60°	35400
65°	26499
70°	19235
75°	15255
80°	14282
85°	14227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	4.4
10°-20°	515.5	12.5
20°-30°	759.7	18.5
30°-40°	882.5	21.4
40°-50°	829.5	20.1
50°-60°	549.1	13.3
60°-70°	264.6	6.4
70°-80°	102.1	2.5
80°-90°	31.8	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°	1457.5	35.4
0°-40°	2340.0	56.8
0°-60°	3718.6	90.3
0°-90°	4117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4117.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1931	
5°	1920	182
15°	1830	515
25°	1650	760
35°	1414	882
45°	1087	830
55°	606	549
65°	260	265
75°	92	102
85°	29	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1930.8
2.5°	1929.1
5°	1920.4
7.5°	1907.3
10°	1888.1
12.5°	1861.9
15°	1830.4
17.5°	1792.0
20°	1748.4
22.5°	1700.4
25°	1649.8
27.5°	1595.6
30°	1538.9
32.5°	1478.7
35°	1414.1
37.5°	1343.4
40°	1269.2
42.5°	1185.4
45°	1086.7
47.5°	975.0
50°	851.1
52.5°	725.4
55°	605.8
57.5°	502.8
60°	411.1
62.5°	329.1
65°	260.1
67.5°	201.6
70°	152.8
72.5°	116.1
75°	91.7
77.5°	74.2
80°	57.6
82.5°	42.8
85°	28.8
87.5°	16.6
90°	0.0



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— 0°-180°







(END OF REPORT)