

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: P839446

Luminaire Tested: **LD6C100D010 EU61009027 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839446
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: LD6C100D010 EU61009027 6LCSQWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

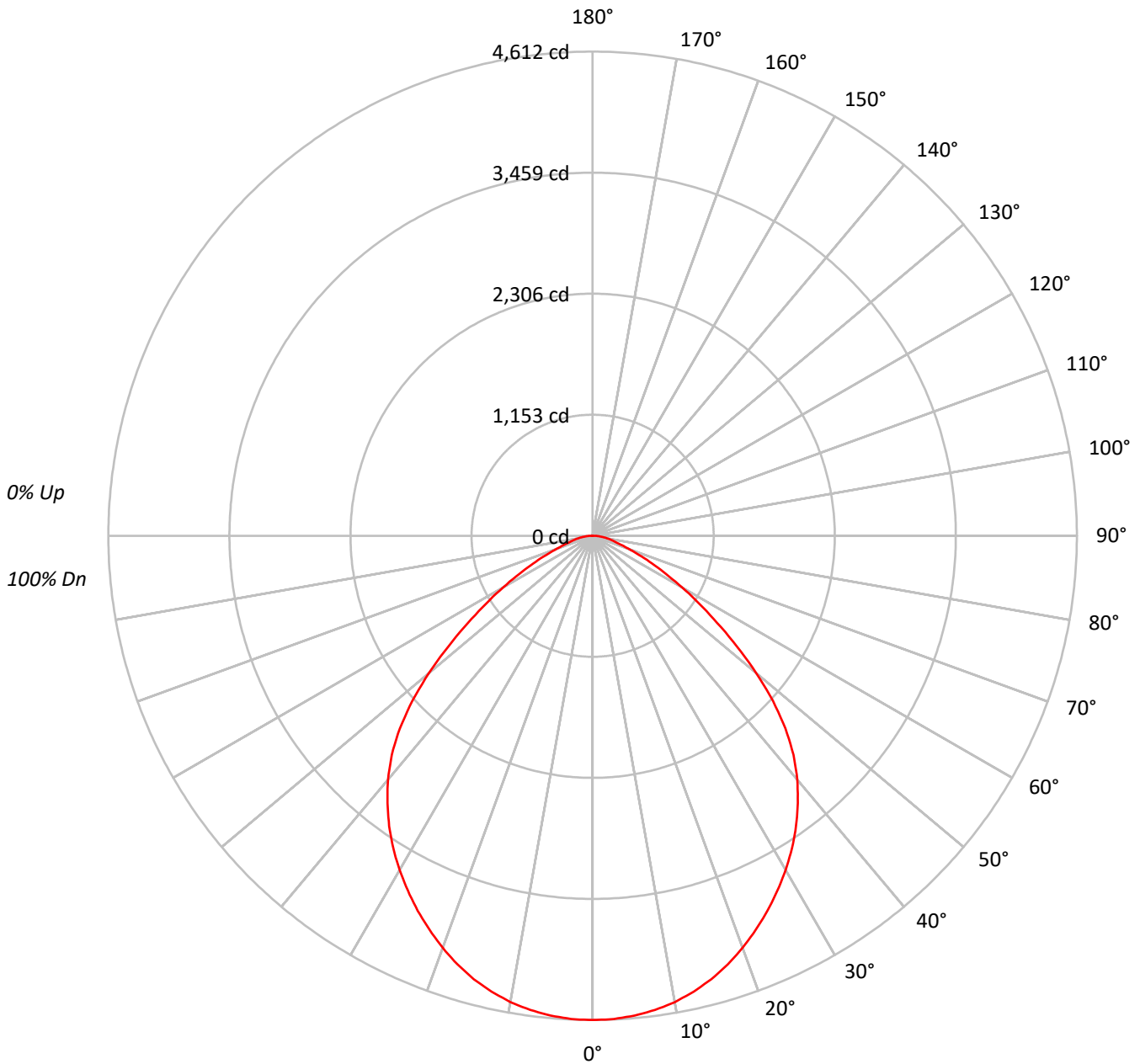
Lumens per Lamp: N/A
Luminaire Lumens: 9834.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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
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°	198573
5°	198251
10°	197172
15°	194893
20°	191353
25°	187210
30°	182752
35°	177536
40°	170392
45°	158058
50°	136169
55°	108619
60°	84561
65°	63297
70°	45936
75°	36415
80°	34118
85°	33988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.5	4.4
10°-20°	1231.3	12.5
20°-30°	1814.6	18.5
30°-40°	2107.9	21.4
40°-50°	1981.4	20.1
50°-60°	1311.6	13.3
60°-70°	632.0	6.4
70°-80°	243.7	2.5
80°-90°	76.0	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°	3481.4	35.4
0°-40°	5589.3	56.8
0°-60°	8882.2	90.3
0°-90°	9834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9834.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4612	
5°	4587	435
15°	4372	1231
25°	3941	1815
35°	3378	2108
45°	2596	1981
55°	1447	1312
65°	621	632
75°	219	244
85°	69	76
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4612.0
2.5°	4607.9
5°	4587.0
7.5°	4555.7
10°	4509.9
12.5°	4447.3
15°	4372.3
17.5°	4280.5
20°	4176.3
22.5°	4061.6
25°	3940.7
27.5°	3811.4
30°	3675.9
32.5°	3532.0
35°	3377.7
37.5°	3208.8
40°	3031.6
42.5°	2831.4
45°	2595.8
47.5°	2329.0
50°	2032.9
52.5°	1732.6
55°	1447.0
57.5°	1201.0
60°	982.0
62.5°	786.0
65°	621.3
67.5°	481.6
70°	364.9
72.5°	277.3
75°	218.9
77.5°	177.2
80°	137.6
82.5°	102.2
85°	68.8
87.5°	39.6
90°	0.0



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— 0°-180°







(END OF REPORT)