

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: P839471

Luminaire Tested: **LD6C15D010 EU6159027 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839471
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: LD6C15D010 EU6159027 6LCSQWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

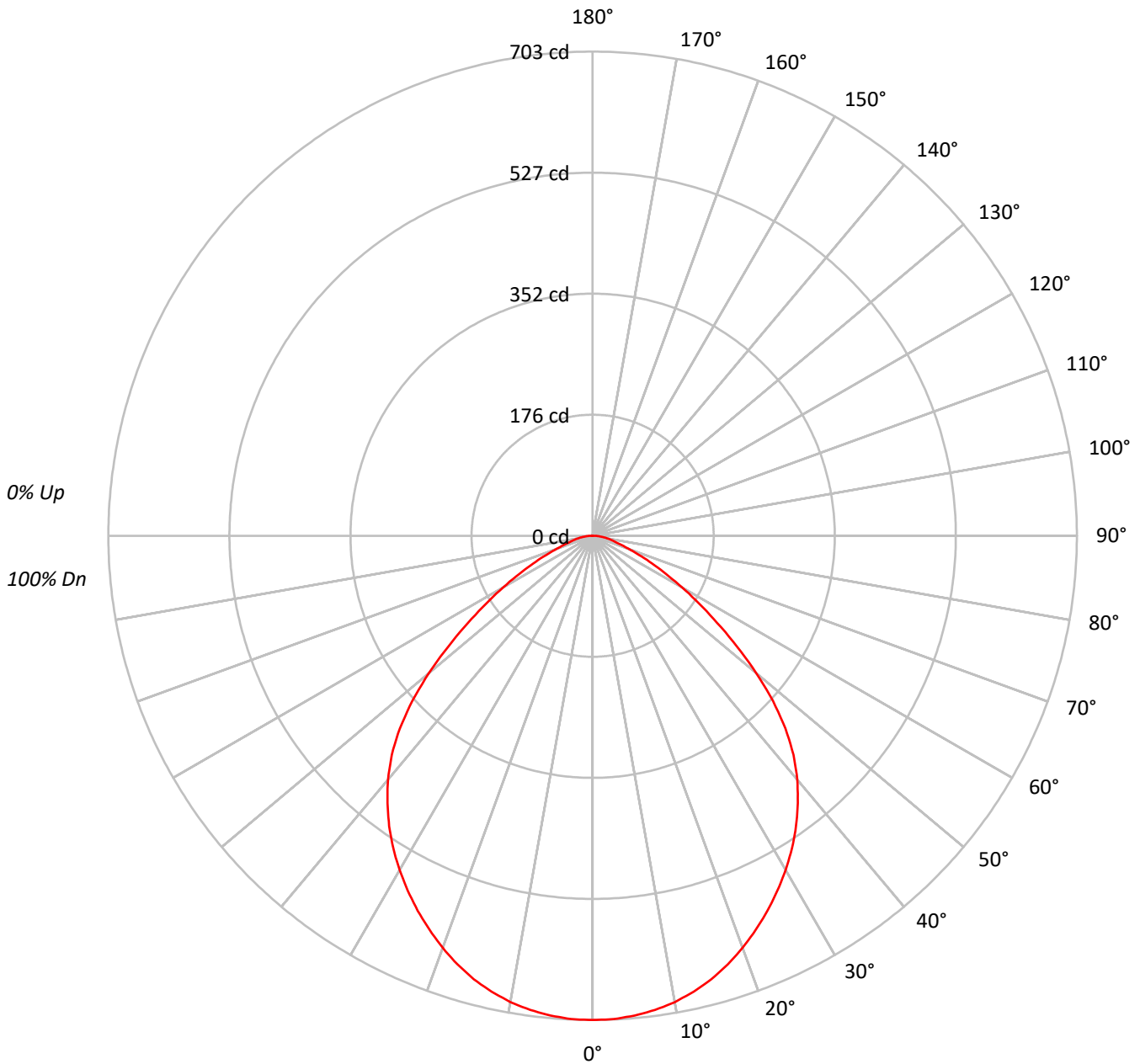
Lumens per Lamp: N/A
Luminaire Lumens: 1499.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	30268
5°	30220
10°	30053
15°	29709
20°	29168
25°	28537
30°	27856
35°	27064
40°	25972
45°	24094
50°	20758
55°	16559
60°	12891
65°	9648
70°	6999
75°	5556
80°	5207
85°	5187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	4.4
10°-20°	187.7	12.5
20°-30°	276.6	18.5
30°-40°	321.3	21.4
40°-50°	302.0	20.1
50°-60°	199.9	13.3
60°-70°	96.3	6.4
70°-80°	37.2	2.5
80°-90°	11.6	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°	530.7	35.4
0°-40°	852.0	56.8
0°-60°	1354.0	90.3
0°-90°	1499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1499.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	703	
5°	699	66
15°	666	188
25°	601	277
35°	515	321
45°	396	302
55°	221	200
65°	95	96
75°	33	37
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	703.0
2.5°	702.4
5°	699.2
7.5°	694.4
10°	687.4
12.5°	677.9
15°	666.5
17.5°	652.5
20°	636.6
22.5°	619.1
25°	600.7
27.5°	581.0
30°	560.3
32.5°	538.4
35°	514.9
37.5°	489.1
40°	462.1
42.5°	431.6
45°	395.7
47.5°	355.0
50°	309.9
52.5°	264.1
55°	220.6
57.5°	183.1
60°	149.7
62.5°	119.8
65°	94.7
67.5°	73.4
70°	55.6
72.5°	42.3
75°	33.4
77.5°	27.0
80°	21.0
82.5°	15.6
85°	10.5
87.5°	6.0
90°	0.0



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— 0°-180°







(END OF REPORT)