

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: P839484

Luminaire Tested: **LD6C25D010 EU6259040 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839484
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: LD6C25D010 EU6259040 6LCSQWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

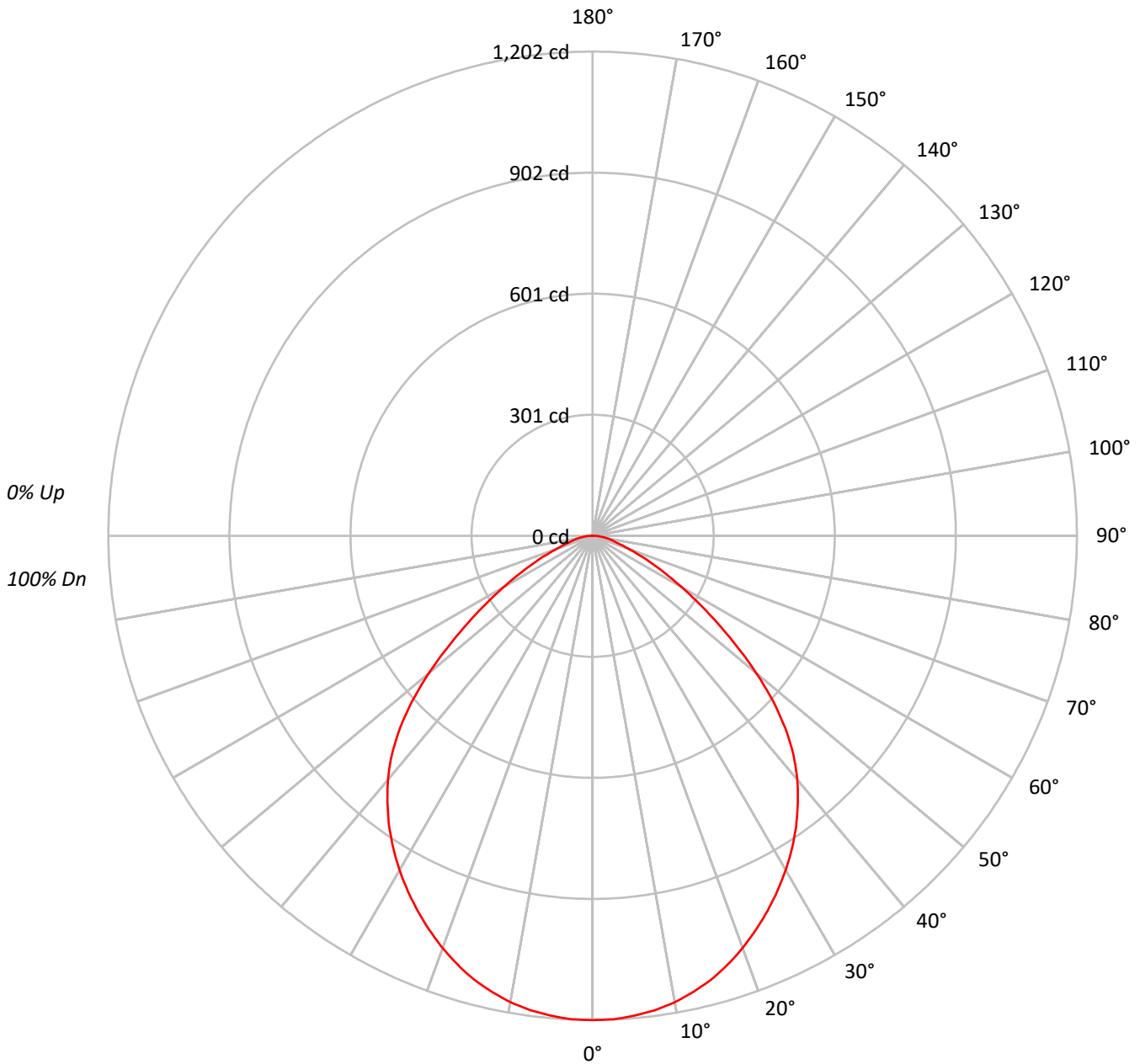
Lumens per Lamp: N/A
Luminaire Lumens: 2563.9 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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°	51774
5°	51691
10°	51410
15°	50815
20°	49892
25°	48808
30°	47648
35°	46291
40°	44425
45°	41210
50°	35501
55°	28322
60°	22044
65°	16504
70°	11972
75°	9499
80°	8901
85°	8843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	4.4
10°-20°	321.0	12.5
20°-30°	473.1	18.5
30°-40°	549.6	21.4
40°-50°	516.6	20.1
50°-60°	341.9	13.3
60°-70°	164.8	6.4
70°-80°	63.5	2.5
80°-90°	19.8	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°	907.7	35.4
0°-40°	1457.3	56.8
0°-60°	2315.8	90.3
0°-90°	2563.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2563.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1202	
5°	1196	114
15°	1140	321
25°	1027	473
35°	881	550
45°	677	517
55°	377	342
65°	162	165
75°	57	64
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1202.5
2.5°	1201.4
5°	1196.0
7.5°	1187.8
10°	1175.9
12.5°	1159.5
15°	1140.0
17.5°	1116.1
20°	1088.9
22.5°	1059.0
25°	1027.4
27.5°	993.7
30°	958.4
32.5°	920.9
35°	880.7
37.5°	836.6
40°	790.4
42.5°	738.2
45°	676.8
47.5°	607.2
50°	530.0
52.5°	451.7
55°	377.3
57.5°	313.1
60°	256.0
62.5°	204.9
65°	162.0
67.5°	125.6
70°	95.1
72.5°	72.3
75°	57.1
77.5°	46.2
80°	35.9
82.5°	26.6
85°	17.9
87.5°	10.3
90°	0.0



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— 0°-180°







(END OF REPORT)