

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: P839481

Luminaire Tested: **LD6C25D010 EU6259027 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839481
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 EU6259027 6LCSQWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

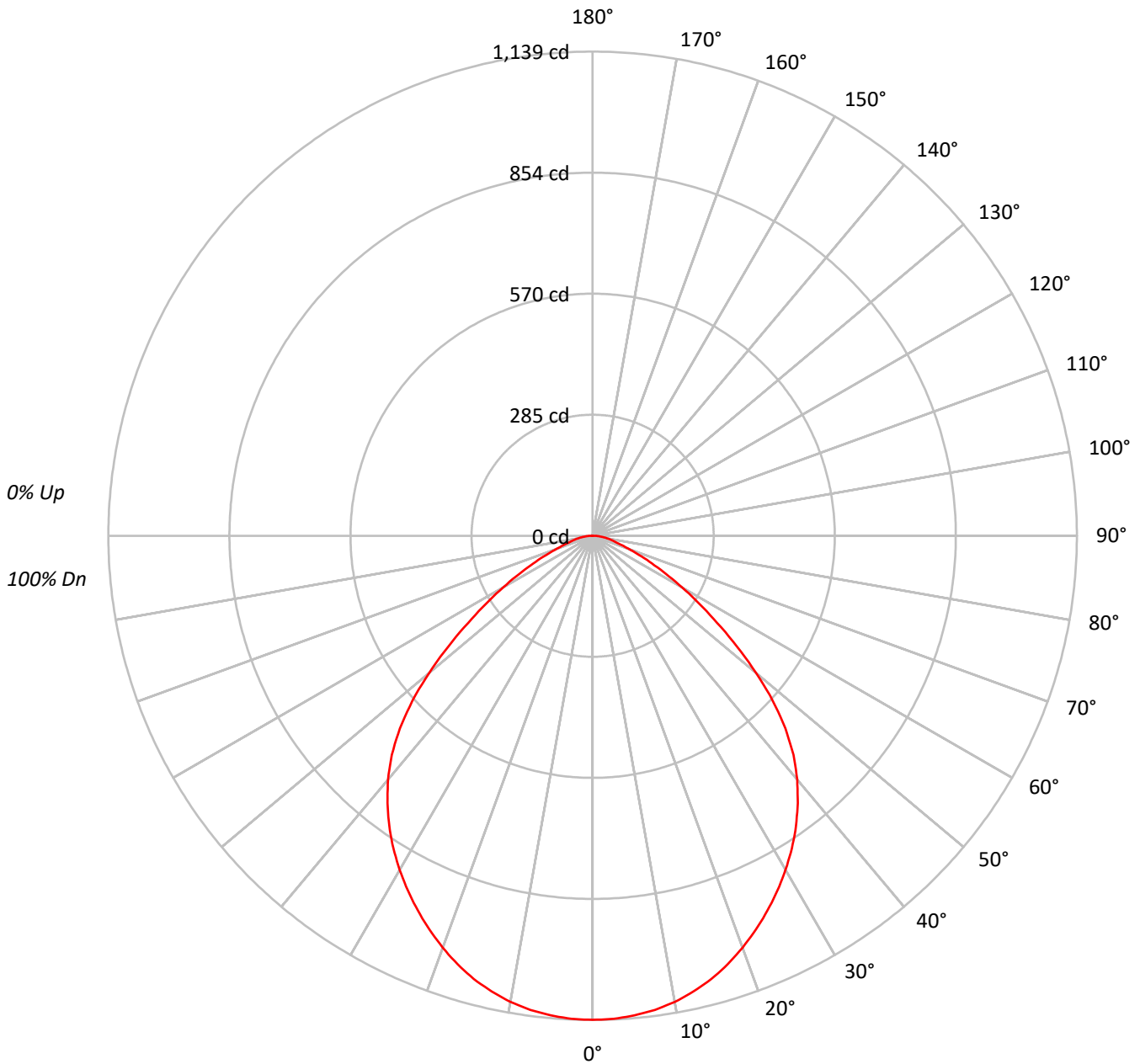
Lumens per Lamp: N/A
Luminaire Lumens: 2428.1 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P839481

CATALOG NUMBER: LD6C25D010 EU6259027 6LCSQWLI

Luminous Intensity Polar Plot





TEST NUMBER: P839481

CATALOG NUMBER: LD6C25D010 EU6259027 6LCSQWLI

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°	49027
5°	48947
10°	48682
15°	48118
20°	47244
25°	46219
30°	45123
35°	43836
40°	42070
45°	39024
50°	33619
55°	26821
60°	20882
65°	15628
70°	11342
75°	9000
80°	8430
85°	8398



TEST NUMBER: P839481

CATALOG NUMBER: LD6C25D010 EU6259027 6LCSQWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	4.4
10°-20°	304.0	12.5
20°-30°	448.0	18.5
30°-40°	520.5	21.4
40°-50°	489.2	20.1
50°-60°	323.8	13.3
60°-70°	156.0	6.4
70°-80°	60.2	2.5
80°-90°	18.8	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°	859.5	35.4
0°-40°	1380.0	56.8
0°-60°	2193.0	90.3
0°-90°	2428.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2428.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1139	
5°	1132	108
15°	1080	304
25°	973	448
35°	834	520
45°	641	489
55°	357	324
65°	153	156
75°	54	60
85°	17	19
90°	0	



TEST NUMBER: P839481

CATALOG NUMBER: LD6C25D010 EU6259027 6LCSQWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1138.7
2.5°	1137.7
5°	1132.5
7.5°	1124.8
10°	1113.5
12.5°	1098.0
15°	1079.5
17.5°	1056.9
20°	1031.1
22.5°	1002.8
25°	972.9
27.5°	941.0
30°	907.6
32.5°	872.0
35°	834.0
37.5°	792.3
40°	748.5
42.5°	699.1
45°	640.9
47.5°	575.0
50°	501.9
52.5°	427.8
55°	357.3
57.5°	296.5
60°	242.5
62.5°	194.1
65°	153.4
67.5°	118.9
70°	90.1
72.5°	68.5
75°	54.1
77.5°	43.8
80°	34.0
82.5°	25.2
85°	17.0
87.5°	9.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)