

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: P839434

Luminaire Tested: **LD6C02D010 EU6029040 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839434
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: LD6C02D010 EU6029040 6LCSQWLI
Description: 6 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

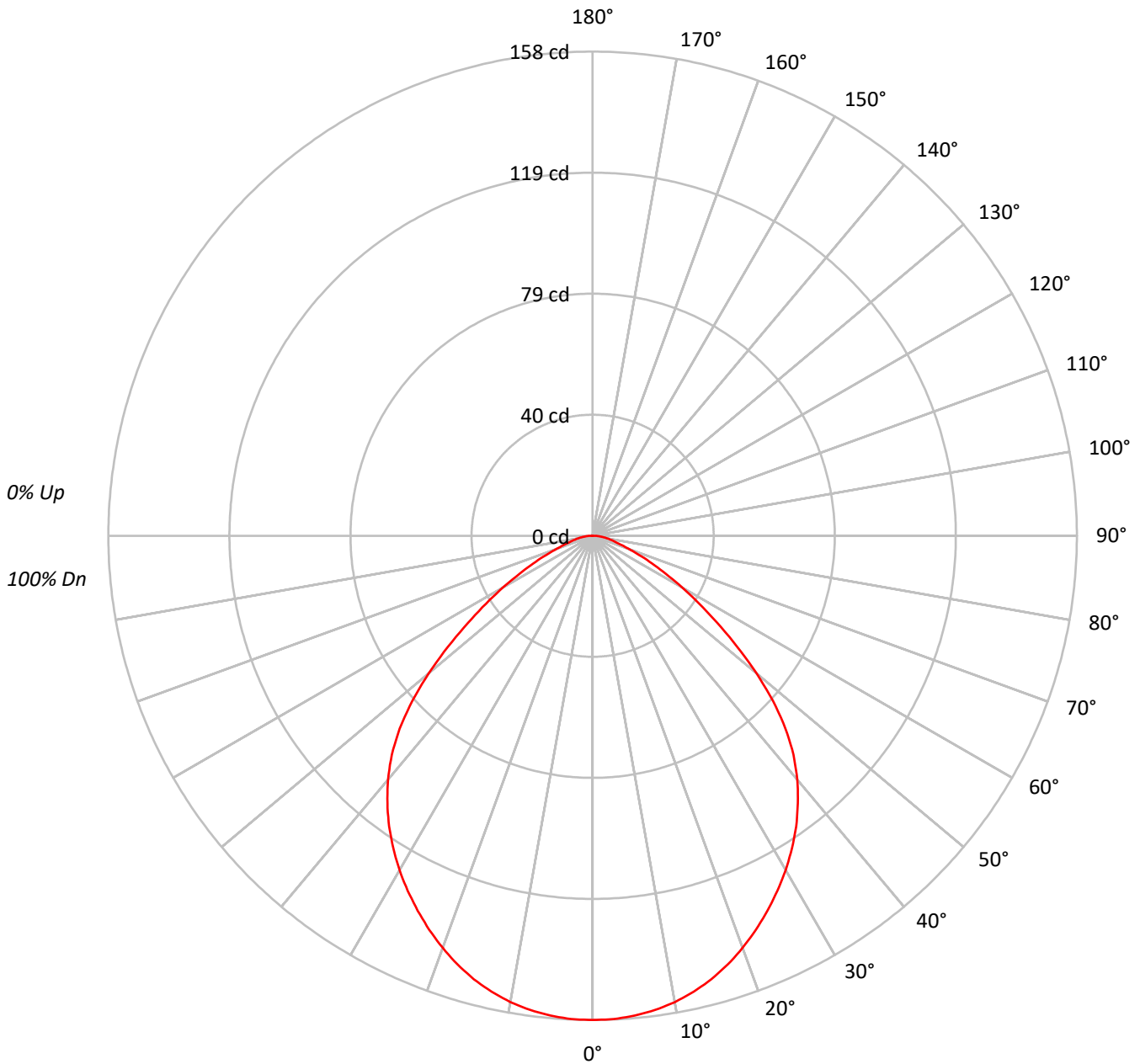
Lumens per Lamp: N/A
Luminaire Lumens: 337.1 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 3.5
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: P839434

CATALOG NUMBER: LD6C02D010 EU6029040 6LCSQWLI

Luminous Intensity Polar Plot





TEST NUMBER: P839434

CATALOG NUMBER: LD6C02D010 EU6029040 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°	6803
5°	6794
10°	6755
15°	6677
20°	6557
25°	6413
30°	6264
35°	6087
40°	5840
45°	5419
50°	4669
55°	3723
60°	2902
65°	2170
70°	1574
75°	1248
80°	1165
85°	1186



TEST NUMBER: P839434

CATALOG NUMBER: LD6C02D010 EU6029040 6LCSQWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	4.4
10°-20°	42.2	12.5
20°-30°	62.2	18.4
30°-40°	72.2	21.4
40°-50°	67.9	20.1
50°-60°	45.0	13.3
60°-70°	21.7	6.4
70°-80°	8.4	2.5
80°-90°	2.6	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°	119.3	35.4
0°-40°	191.5	56.8
0°-60°	304.4	90.3
0°-90°	337.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	337.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	158	
5°	157	15
15°	150	42
25°	135	62
35°	116	72
45°	89	68
55°	50	45
65°	21	22
75°	8	8
85°	2	3
90°	0	



TEST NUMBER: P839434

CATALOG NUMBER: LD6C02D010 EU6029040 6LCSQWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	158.0
2.5°	157.9
5°	157.2
7.5°	156.1
10°	154.5
12.5°	152.4
15°	149.8
17.5°	146.7
20°	143.1
22.5°	139.2
25°	135.0
27.5°	130.6
30°	126.0
32.5°	121.0
35°	115.8
37.5°	110.0
40°	103.9
42.5°	97.0
45°	89.0
47.5°	79.8
50°	69.7
52.5°	59.4
55°	49.6
57.5°	41.2
60°	33.7
62.5°	26.9
65°	21.3
67.5°	16.5
70°	12.5
72.5°	9.5
75°	7.5
77.5°	6.1
80°	4.7
82.5°	3.5
85°	2.4
87.5°	1.4
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)