

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: P839472

Luminaire Tested: **LD6C15D010 EU6159030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839472
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 EU6159030 6LCSQWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

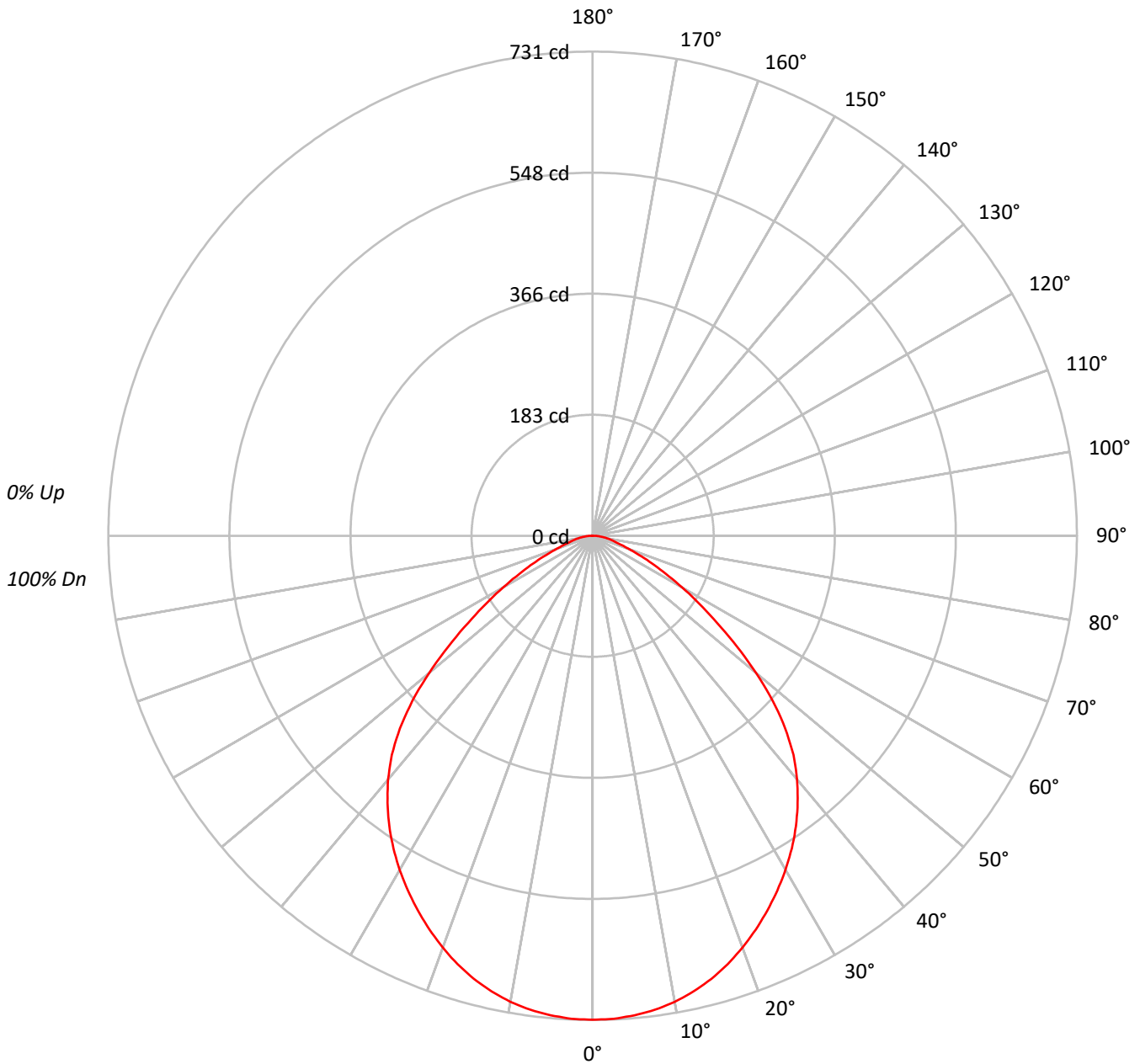
Lumens per Lamp: N/A
Luminaire Lumens: 1558.0 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839472

CATALOG NUMBER: LD6C15D010 EU6159030 6LCSQWLI

Luminous Intensity Polar Plot





TEST NUMBER: P839472

CATALOG NUMBER: LD6C15D010 EU6159030 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°	31461
5°	31408
10°	31238
15°	30877
20°	30314
25°	29658
30°	28955
35°	28126
40°	26995
45°	25044
50°	21575
55°	17205
60°	13399
65°	10025
70°	7276
75°	5772
80°	5405
85°	5385



TEST NUMBER: P839472

CATALOG NUMBER: LD6C15D010 EU6159030 6LCSQWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	4.4
10°-20°	195.1	12.5
20°-30°	287.5	18.5
30°-40°	334.0	21.4
40°-50°	313.9	20.1
50°-60°	207.8	13.3
60°-70°	100.1	6.4
70°-80°	38.6	2.5
80°-90°	12.1	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°	551.5	35.4
0°-40°	885.5	56.8
0°-60°	1407.2	90.3
0°-90°	1558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	731	
5°	727	69
15°	693	195
25°	624	287
35°	535	334
45°	411	314
55°	229	208
65°	98	100
75°	35	39
85°	11	12
90°	0	



TEST NUMBER: P839472

CATALOG NUMBER: LD6C15D010 EU6159030 6LCSQWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	730.7
2.5°	730.0
5°	726.7
7.5°	721.8
10°	714.5
12.5°	704.6
15°	692.7
17.5°	678.2
20°	661.6
22.5°	643.5
25°	624.3
27.5°	603.8
30°	582.4
32.5°	559.6
35°	535.1
37.5°	508.4
40°	480.3
42.5°	448.6
45°	411.3
47.5°	369.0
50°	322.1
52.5°	274.5
55°	229.2
57.5°	190.3
60°	155.6
62.5°	124.5
65°	98.4
67.5°	76.3
70°	57.8
72.5°	43.9
75°	34.7
77.5°	28.1
80°	21.8
82.5°	16.2
85°	10.9
87.5°	6.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)