

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: P839475

Luminaire Tested: **LD6C15D010 EU6159050 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839475
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 EU6159050 6LCSQWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

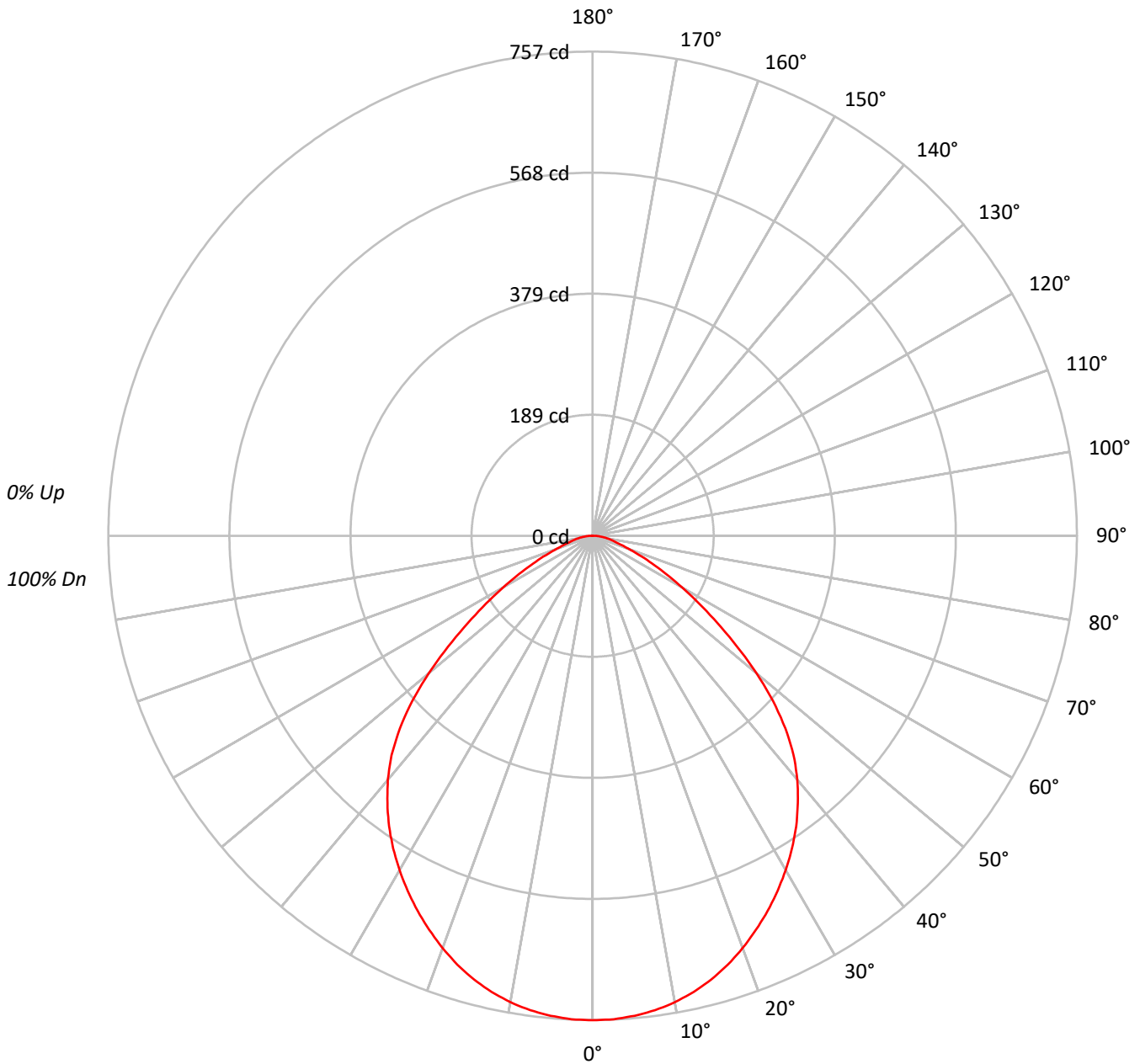
Lumens per Lamp: N/A
Luminaire Lumens: 1615.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32610
5°	32558
10°	32379
15°	32004
20°	31427
25°	30746
30°	30014
35°	29156
40°	27985
45°	25957
50°	22366
55°	17836
60°	13890
65°	10392
70°	7541
75°	5989
80°	5604
85°	5582



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	4.4
10°-20°	202.2	12.5
20°-30°	298.0	18.5
30°-40°	346.2	21.4
40°-50°	325.4	20.1
50°-60°	215.4	13.3
60°-70°	103.8	6.4
70°-80°	40.0	2.5
80°-90°	12.5	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°	571.7	35.4
0°-40°	917.9	56.8
0°-60°	1458.7	90.3
0°-90°	1615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	757	
5°	753	72
15°	718	202
25°	647	298
35°	555	346
45°	426	325
55°	238	215
65°	102	104
75°	36	40
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	757.4
2.5°	756.7
5°	753.3
7.5°	748.2
10°	740.6
12.5°	730.4
15°	718.0
17.5°	703.0
20°	685.9
22.5°	667.0
25°	647.2
27.5°	625.9
30°	603.7
32.5°	580.0
35°	554.7
37.5°	527.0
40°	497.9
42.5°	465.0
45°	426.3
47.5°	382.5
50°	333.9
52.5°	284.5
55°	237.6
57.5°	197.2
60°	161.3
62.5°	129.1
65°	102.0
67.5°	79.1
70°	59.9
72.5°	45.5
75°	36.0
77.5°	29.1
80°	22.6
82.5°	16.8
85°	11.3
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)