

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: P839458

Luminaire Tested: **LD6C120D010 EU61209035 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839458
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: LD6C120D010 EU61209035 6LCSQWLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

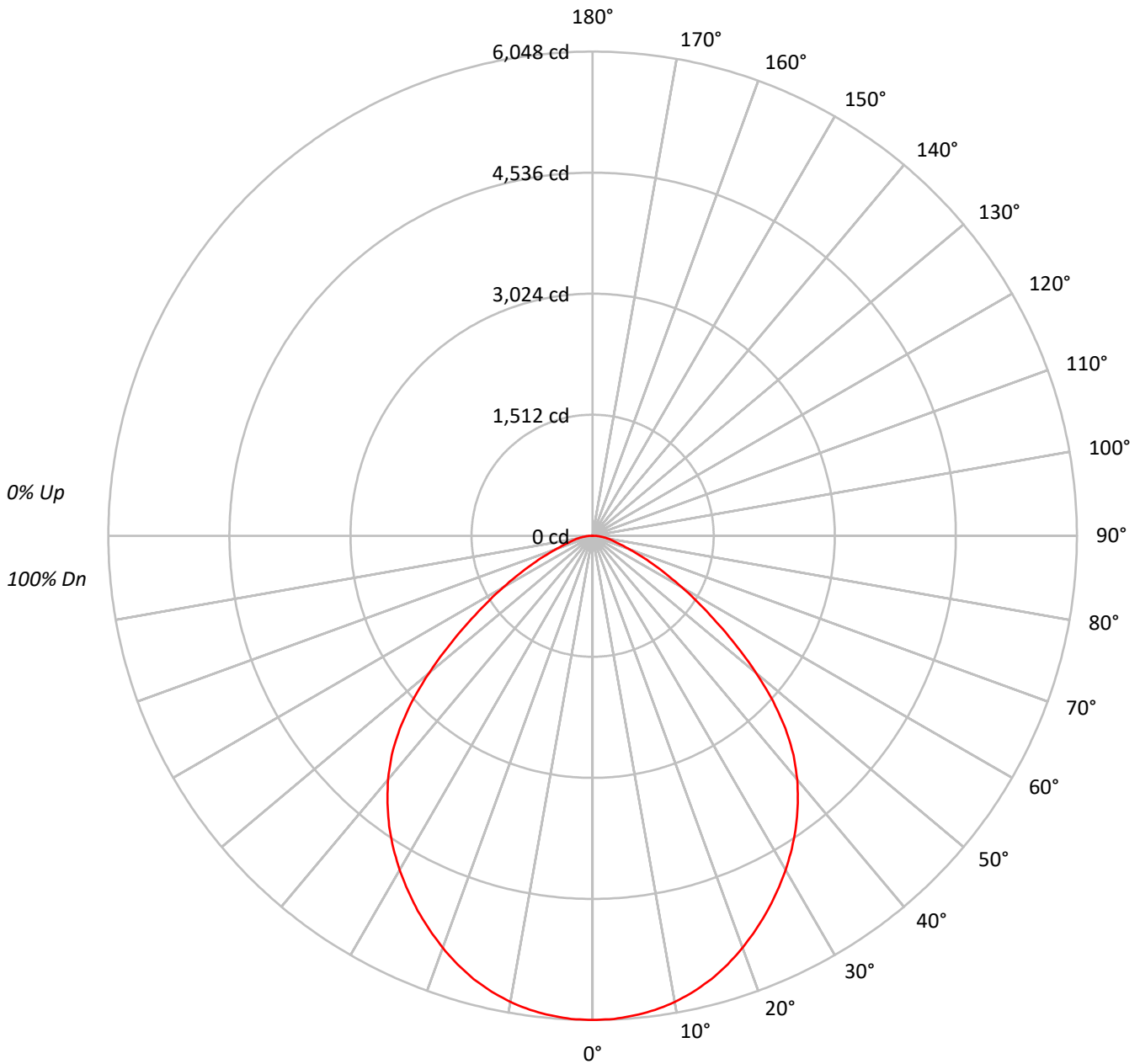
Lumens per Lamp: N/A
Luminaire Lumens: 12895.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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°	260383
5°	259960
10°	258542
15°	255555
20°	250913
25°	245481
30°	239633
35°	232799
40°	223427
45°	207257
50°	178556
55°	142429
60°	110886
65°	83000
70°	60237
75°	47760
80°	44730
85°	44560



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.0	4.4
10°-20°	1614.6	12.5
20°-30°	2379.4	18.5
30°-40°	2764.0	21.4
40°-50°	2598.1	20.1
50°-60°	1719.8	13.3
60°-70°	828.7	6.4
70°-80°	319.6	2.5
80°-90°	99.7	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°	4565.0	35.4
0°-40°	7329.0	56.8
0°-60°	11647.0	90.3
0°-90°	12895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12895.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6048	
5°	6015	571
15°	5733	1615
25°	5167	2379
35°	4429	2764
45°	3404	2598
55°	1897	1720
65°	815	829
75°	287	320
85°	90	100
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6047.6
2.5°	6042.1
5°	6014.8
7.5°	5973.8
10°	5913.6
12.5°	5831.6
15°	5733.2
17.5°	5612.9
20°	5476.2
22.5°	5325.8
25°	5167.3
27.5°	4997.8
30°	4820.0
32.5°	4631.4
35°	4429.1
37.5°	4207.6
40°	3975.2
42.5°	3712.8
45°	3403.8
47.5°	3053.9
50°	2665.7
52.5°	2272.0
55°	1897.4
57.5°	1574.8
60°	1287.7
62.5°	1030.7
65°	814.7
67.5°	631.6
70°	478.5
72.5°	363.6
75°	287.1
77.5°	232.4
80°	180.4
82.5°	134.0
85°	90.2
87.5°	51.9
90°	0.0



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— 0°-180°







(END OF REPORT)