

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: P856575

Luminaire Tested: **LD6C100D010 EU61009035 6LBWLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P856575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C100D010 EU61009035 6LBWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

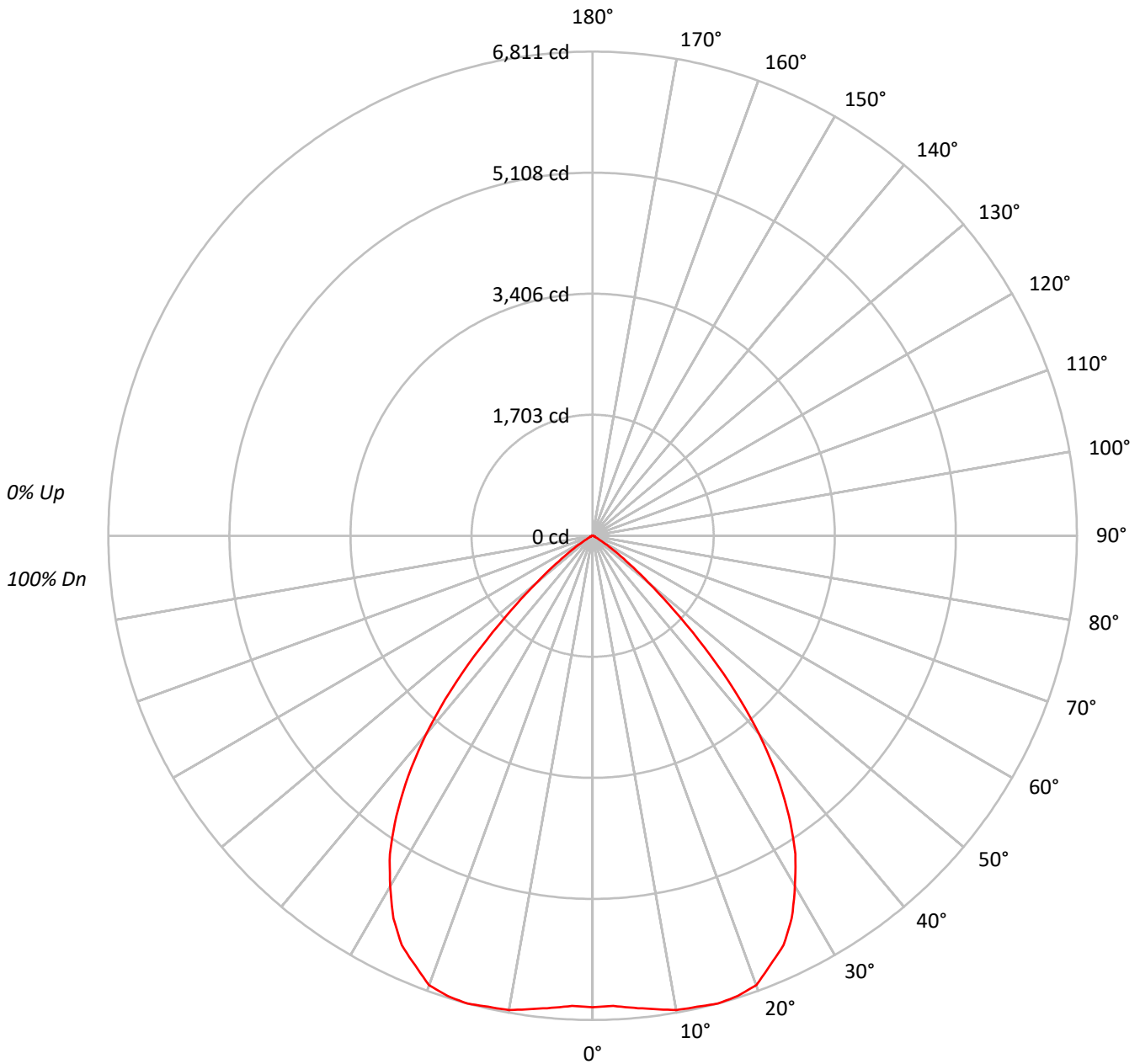
Lumens per Lamp: N/A
Luminaire Lumens: 10614.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69			69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57			57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41			41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	363502
5°	366871
10°	377131
15°	386569
20°	392437
25°	384331
30°	360321
35°	322154
40°	260932
45°	172607
50°	87247
55°	36806
60°	11863
65°	4657
70°	3879
75°	2563
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.7	6.0
10°-20°	1922.7	18.1
20°-30°	2898.3	27.3
30°-40°	2966.5	27.9
40°-50°	1728.2	16.3
50°-60°	397.1	3.7
60°-70°	48.7	0.5
70°-80°	12.7	0.1
80°-90°	0.0	0.0
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°	5460.6	51.4
0°-40°	8427.2	79.4
0°-60°	10552.5	99.4
0°-90°	10614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10614.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6631	
5°	6667	640
15°	6811	1923
25°	6354	2898
35°	4814	2967
45°	2226	1728
55°	385	397
65°	36	49
75°	12	13
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6630.8
2.5°	6618.7
5°	6666.8
7.5°	6714.8
10°	6774.9
12.5°	6787.1
15°	6811.3
17.5°	6787.1
20°	6726.9
22.5°	6534.3
25°	6353.9
27.5°	6065.3
30°	5692.2
32.5°	5307.1
35°	4813.8
37.5°	4259.9
40°	3646.2
42.5°	2960.4
45°	2226.4
47.5°	1552.2
50°	1023.0
52.5°	650.0
55°	385.1
57.5°	204.7
60°	108.2
62.5°	60.2
65°	35.9
67.5°	35.9
70°	24.2
72.5°	12.1
75°	12.1
77.5°	12.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)