

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: P856583

Luminaire Tested: **LD6C120D010 EU61209027 6LBWLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P856583
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: LD6C120D010 EU61209027 6LBWLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

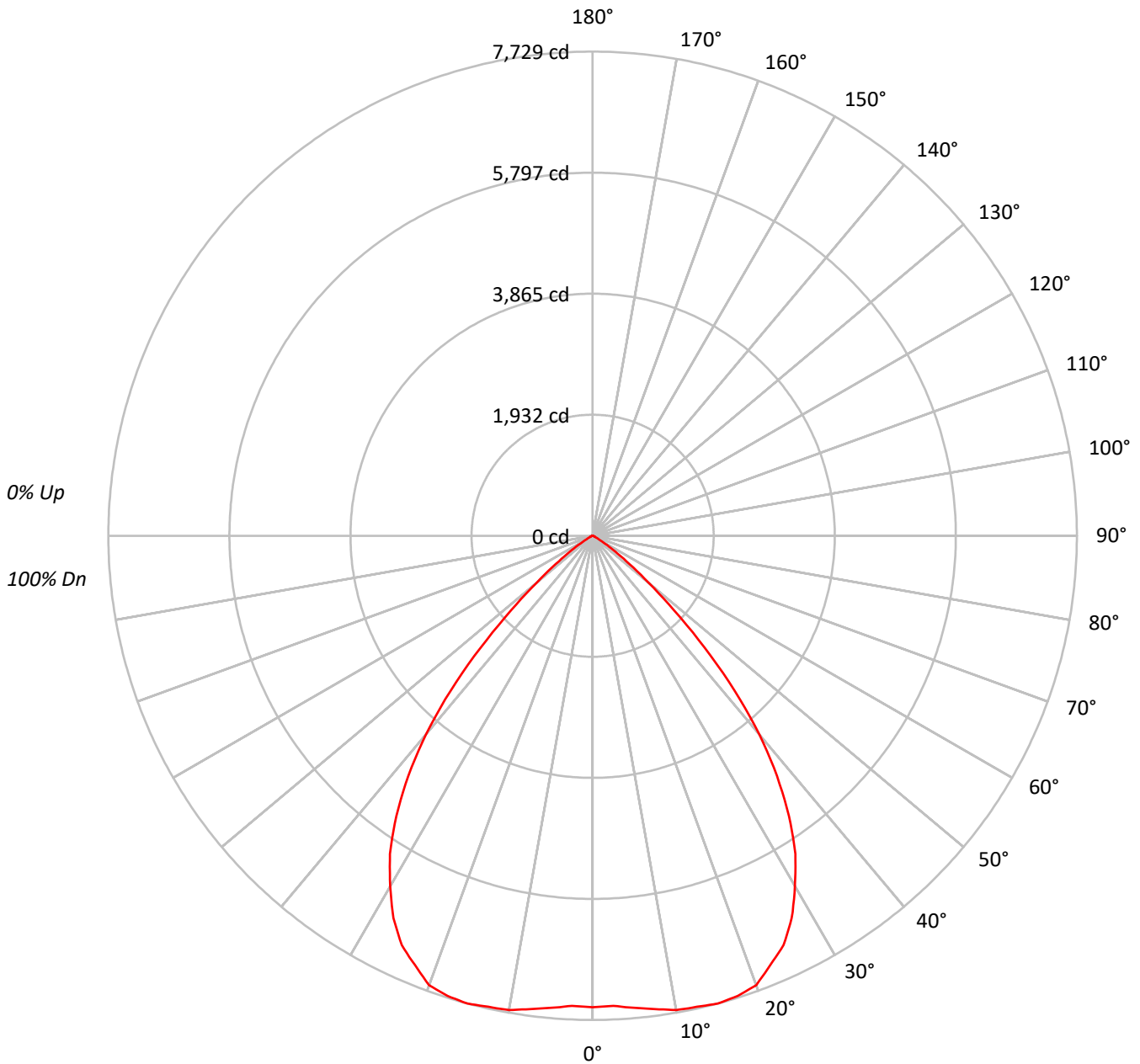
Lumens per Lamp: N/A
Luminaire Lumens: 12044.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P856583

CATALOG NUMBER: LD6C120D010 EU61209027 6LBWLI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	412478
5°	416299
10°	427942
15°	438652
20°	445309
25°	436108
30°	408867
35°	365554
40°	296090
45°	195865
50°	98999
55°	41767
60°	13464
65°	5292
70°	4408
75°	2902
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.9	6.0
10°-20°	2181.7	18.1
20°-30°	3288.8	27.3
30°-40°	3366.2	27.9
40°-50°	1961.1	16.3
50°-60°	450.6	3.7
60°-70°	55.3	0.5
70°-80°	14.4	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°	6196.3	51.4
0°-40°	9562.5	79.4
0°-60°	11974.2	99.4
0°-90°	12044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12044.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7524	
5°	7565	726
15°	7729	2182
25°	7210	3289
35°	5462	3366
45°	2526	1961
55°	437	451
65°	41	55
75°	14	14
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7524.2
2.5°	7510.5
5°	7565.0
7.5°	7619.5
10°	7687.7
12.5°	7701.5
15°	7729.0
17.5°	7701.5
20°	7633.2
22.5°	7414.7
25°	7209.9
27.5°	6882.4
30°	6459.1
32.5°	6022.1
35°	5462.3
37.5°	4833.8
40°	4137.5
42.5°	3359.2
45°	2526.4
47.5°	1761.4
50°	1160.8
52.5°	737.5
55°	437.0
57.5°	232.3
60°	122.8
62.5°	68.3
65°	40.8
67.5°	40.8
70°	27.5
72.5°	13.7
75°	13.7
77.5°	13.7
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)