

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: P856577

Luminaire Tested: **LD6C100D010 EU61009050 6LBWLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P856577
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 EU61009050 6LBWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

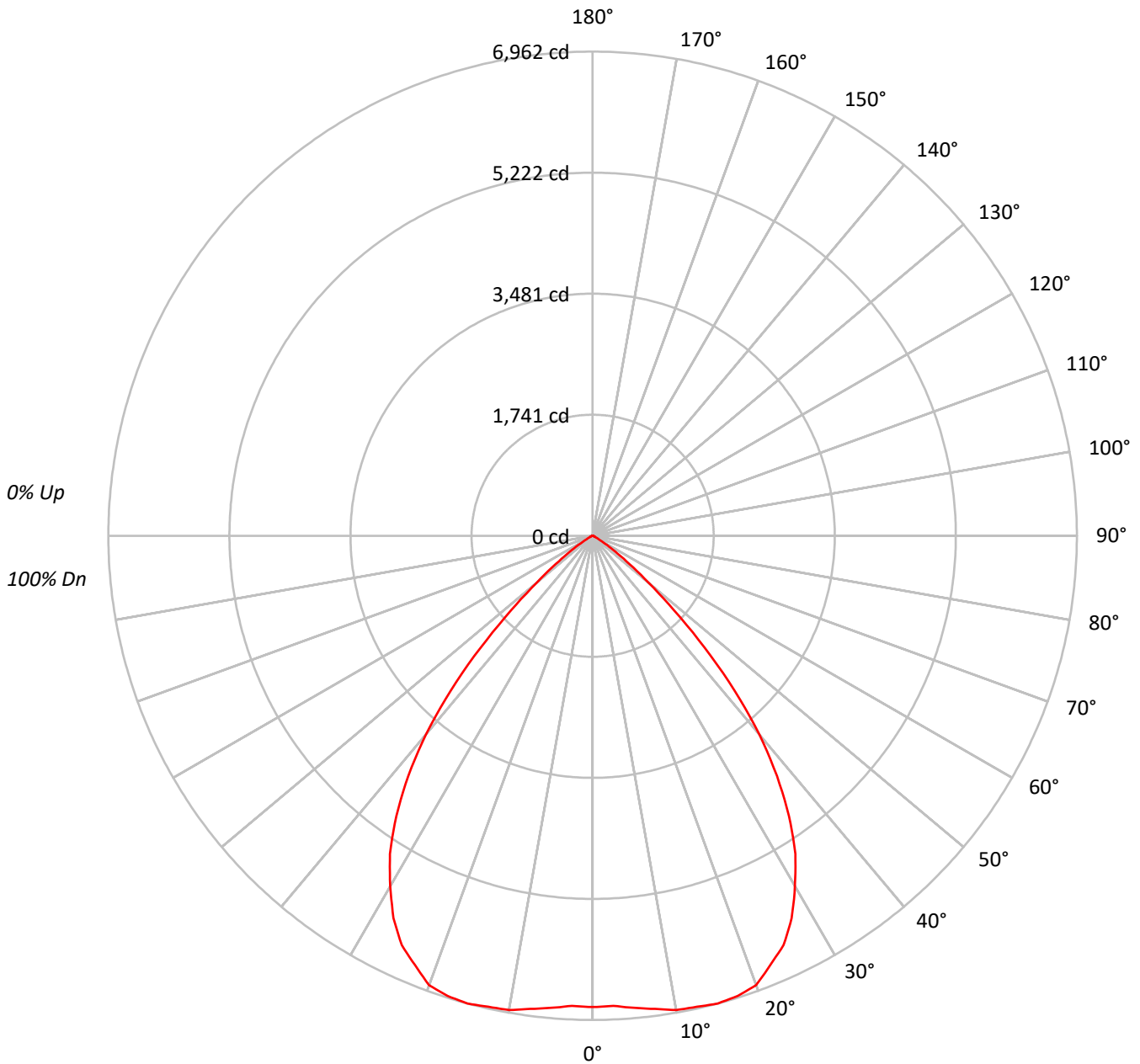
Lumens per Lamp: N/A
Luminaire Lumens: 10848.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P856577

CATALOG NUMBER: LD6C100D010 EU61009050 6LBWLI

Luminous Intensity Polar Plot





TEST NUMBER: P856577

CATALOG NUMBER: LD6C100D010 EU61009050 6LBWLI

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°	371516
5°	374955
10°	385447
15°	395093
20°	401088
25°	392805
30°	368266
35°	329255
40°	266685
45°	176414
50°	89166
55°	37619
60°	12126
65°	4761
70°	3975
75°	2626
80°	0
85°	0



TEST NUMBER: P856577

CATALOG NUMBER: LD6C100D010 EU61009050 6LBWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.8	6.0
10°-20°	1965.0	18.1
20°-30°	2962.2	27.3
30°-40°	3031.9	27.9
40°-50°	1766.3	16.3
50°-60°	405.9	3.7
60°-70°	49.8	0.5
70°-80°	13.1	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°	5581.0	51.4
0°-40°	8613.0	79.4
0°-60°	10785.1	99.4
0°-90°	10848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10848.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6777	
5°	6814	654
15°	6962	1965
25°	6494	2962
35°	4920	3032
45°	2276	1766
55°	394	406
65°	37	50
75°	12	13
85°	0	0
90°	0	



TEST NUMBER: P856577

CATALOG NUMBER: LD6C100D010 EU61009050 6LBWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	6777.0
2.5°	6764.6
5°	6813.7
7.5°	6862.8
10°	6924.3
12.5°	6936.7
15°	6961.5
17.5°	6936.7
20°	6875.2
22.5°	6678.4
25°	6494.0
27.5°	6199.0
30°	5817.7
32.5°	5424.1
35°	4919.9
37.5°	4353.8
40°	3726.6
42.5°	3025.6
45°	2275.5
47.5°	1586.5
50°	1045.5
52.5°	664.3
55°	393.6
57.5°	209.2
60°	110.6
62.5°	61.5
65°	36.7
67.5°	36.7
70°	24.8
72.5°	12.4
75°	12.4
77.5°	12.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)