

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: P856576

Luminaire Tested: **LD6C100D010 EU61009040 6LBWLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P856576
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 EU61009040 6LBWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

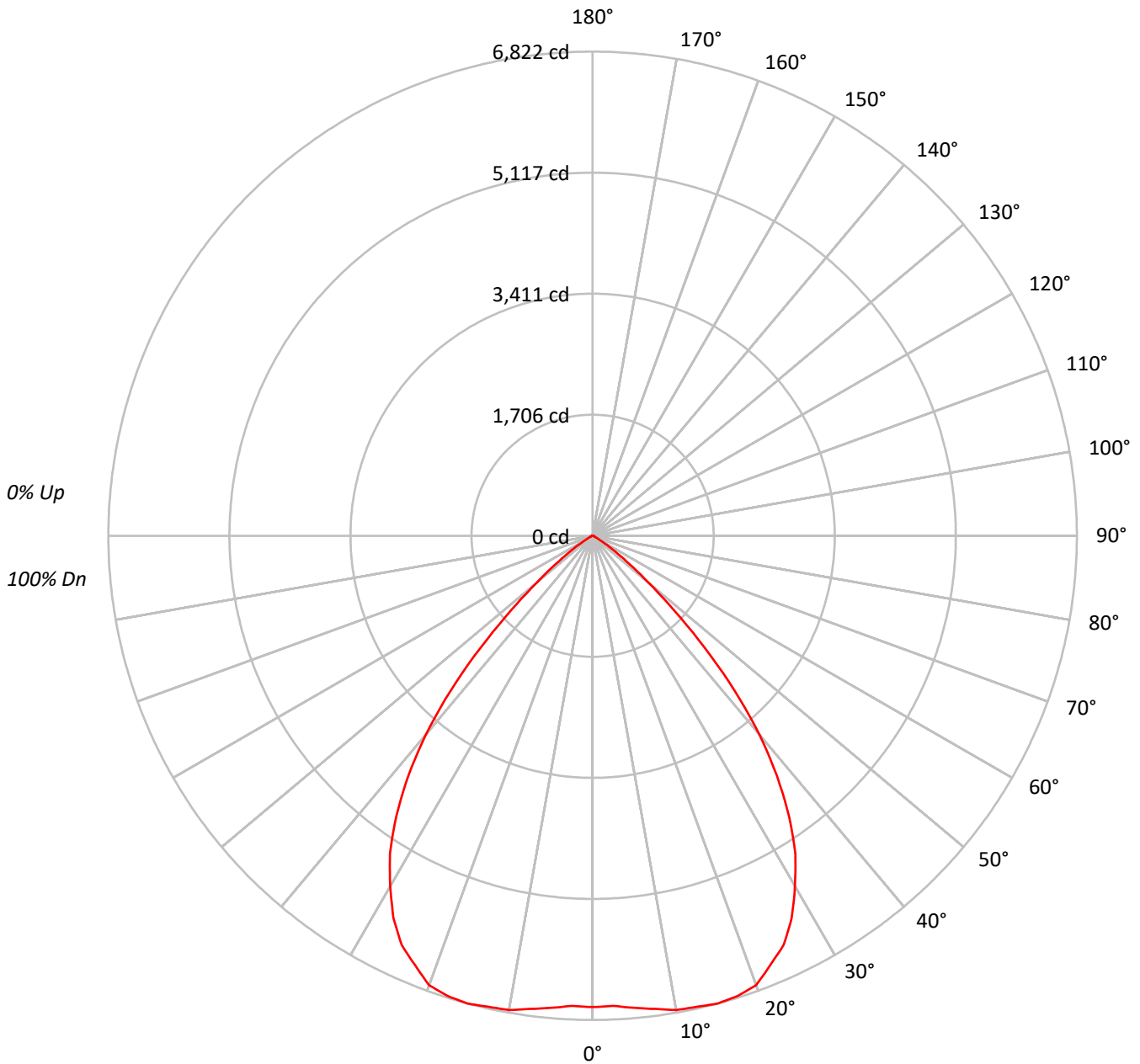
Lumens per Lamp: N/A
Luminaire Lumens: 10630.0 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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																			
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92																			
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83																			
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76																			
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69																			
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63																			
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57																			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																			
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44																			
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	364050
5°	367421
10°	377704
15°	387153
20°	393026
25°	384911
30°	360866
35°	322636
40°	261325
45°	172871
50°	87375
55°	36864
60°	11874
65°	4670
70°	3895
75°	2563
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.6	6.0
10°-20°	1925.6	18.1
20°-30°	2902.7	27.3
30°-40°	2971.0	27.9
40°-50°	1730.8	16.3
50°-60°	397.7	3.7
60°-70°	48.8	0.5
70°-80°	12.8	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°	5468.9	51.4
0°-40°	8439.9	79.4
0°-60°	10568.4	99.4
0°-90°	10630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10630.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6641	
5°	6677	641
15°	6822	1926
25°	6364	2903
35°	4821	2971
45°	2230	1731
55°	386	398
65°	36	49
75°	12	13
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6640.8
2.5°	6628.7
5°	6676.8
7.5°	6724.9
10°	6785.2
12.5°	6797.3
15°	6821.6
17.5°	6797.3
20°	6737.0
22.5°	6544.2
25°	6363.5
27.5°	6074.4
30°	5700.8
32.5°	5315.1
35°	4821.0
37.5°	4266.3
40°	3651.7
42.5°	2964.8
45°	2229.8
47.5°	1554.6
50°	1024.5
52.5°	651.0
55°	385.7
57.5°	205.0
60°	108.3
62.5°	60.2
65°	36.0
67.5°	36.0
70°	24.3
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)