

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: P856587

Luminaire Tested: **LD6C120D010 EU61209050 6LBWLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856587  
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 EU61209050 6LBWLI  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

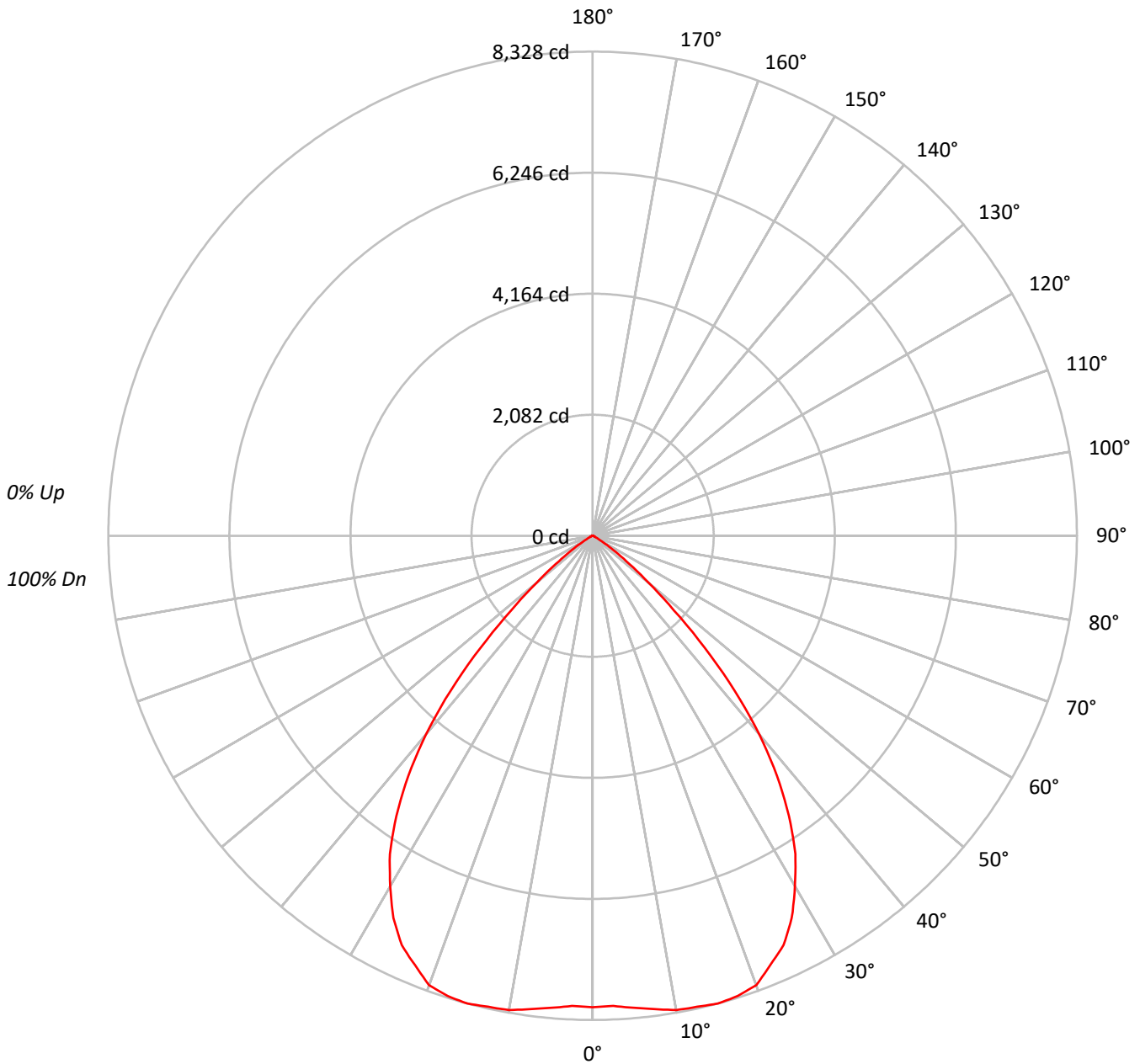
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12977.9 lumens  
Efficiency: N/A  
Efficacy: 91.2 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<sub>in</sub>): 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°	444465
5°	448579
10°	461130
15°	472664
20°	479845
25°	469932
30°	440574
35°	393902
40°	319055
45°	211053
50°	106675
55°	45007
60°	14505
65°	5695
70°	4744
75°	3135
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	782.1	6.0
10°-20°	2350.9	18.1
20°-30°	3543.8	27.3
30°-40°	3627.2	27.9
40°-50°	2113.1	16.3
50°-60°	485.6	3.7
60°-70°	59.6	0.5
70°-80°	15.6	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°	6676.8	51.4
0°-40°	10304.1	79.4
0°-60°	12902.8	99.4
0°-90°	12977.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12977.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8108	
5°	8152	782
15°	8328	2351
25°	7769	3544
35°	5886	3627
45°	2722	2113
55°	471	486
65°	44	60
75°	15	16
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8107.7
2.5°	8092.9
5°	8151.6
7.5°	8210.3
10°	8283.9
12.5°	8298.7
15°	8328.3
17.5°	8298.7
20°	8225.2
22.5°	7989.7
25°	7769.1
27.5°	7416.1
30°	6960.0
32.5°	6489.1
35°	5885.9
37.5°	5208.6
40°	4458.4
42.5°	3619.7
45°	2722.3
47.5°	1898.0
50°	1250.8
52.5°	794.7
55°	470.9
57.5°	250.3
60°	132.3
62.5°	73.5
65°	43.9
67.5°	43.9
70°	29.6
72.5°	14.8
75°	14.8
77.5°	14.8
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)