

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: P856591

Luminaire Tested: **LD6C130D010 EU61309040 6LBWLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856591  
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: LD6C130D010 EU61309040 6LBWLI  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

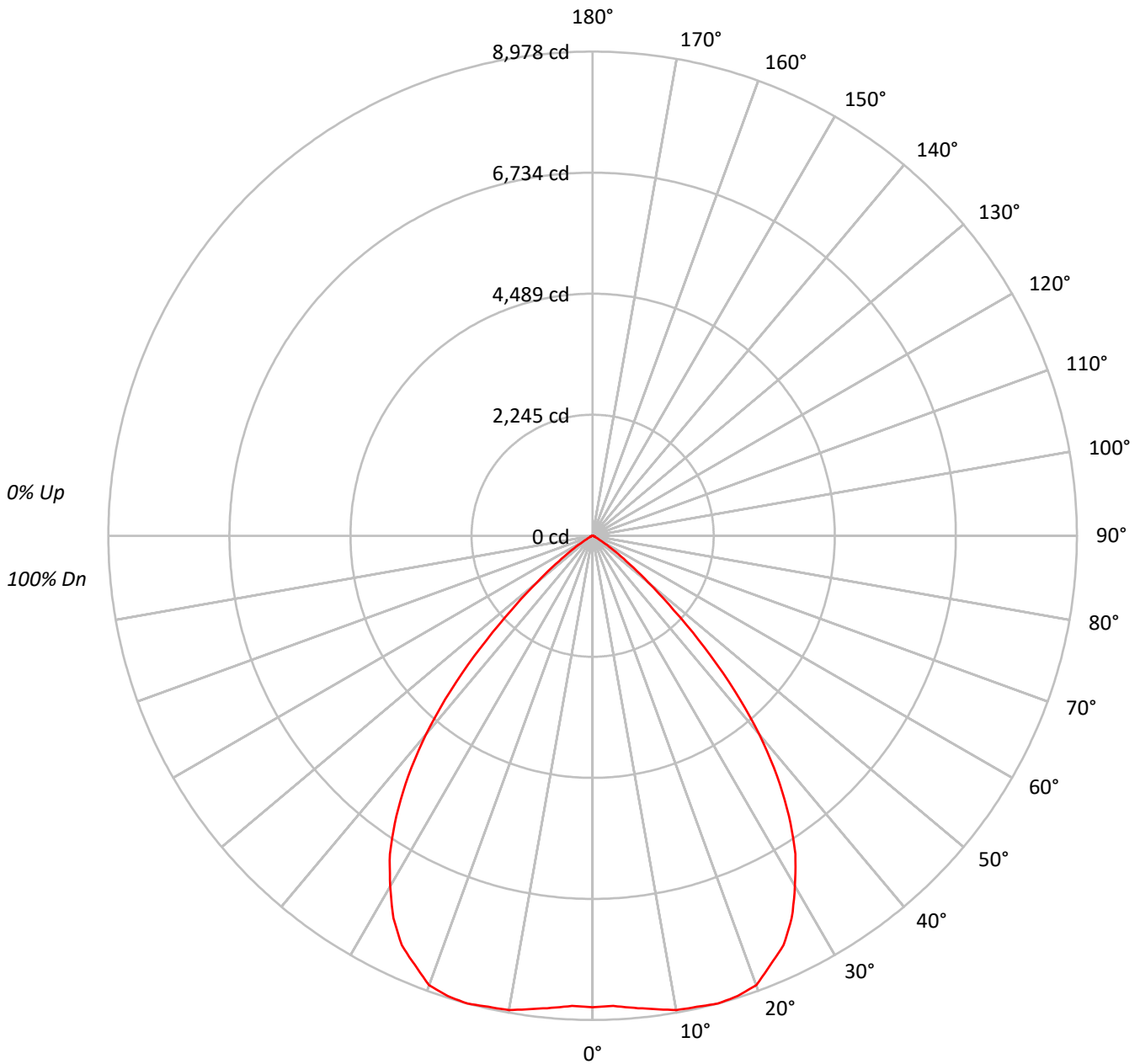
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13991.0 lumens  
Efficiency: N/A  
Efficacy: 97.0 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): 144.3  
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°	479156
5°	483594
10°	497124
15°	509560
20°	517298
25°	506612
30°	474965
35°	424647
40°	343959
45°	227527
50°	115007
55°	48524
60°	15635
65°	6136
70°	5113
75°	3389
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	843.2	6.0
10°-20°	2534.4	18.1
20°-30°	3820.4	27.3
30°-40°	3910.4	27.9
40°-50°	2278.1	16.3
50°-60°	523.5	3.7
60°-70°	64.2	0.5
70°-80°	16.8	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°	7198.0	51.4
0°-40°	11108.4	79.4
0°-60°	13909.9	99.4
0°-90°	13991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13991.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8740	
5°	8788	843
15°	8978	2534
25°	8376	3820
35°	6345	3910
45°	2935	2278
55°	508	524
65°	47	64
75°	16	17
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8740.5
2.5°	8724.6
5°	8787.9
7.5°	8851.2
10°	8930.5
12.5°	8946.5
15°	8978.4
17.5°	8946.5
20°	8867.2
22.5°	8613.3
25°	8375.5
27.5°	7995.0
30°	7503.3
32.5°	6995.6
35°	6345.3
37.5°	5615.2
40°	4806.4
42.5°	3902.2
45°	2934.8
47.5°	2046.1
50°	1348.5
52.5°	856.8
55°	507.7
57.5°	269.8
60°	142.6
62.5°	79.3
65°	47.3
67.5°	47.3
70°	31.9
72.5°	16.0
75°	16.0
77.5°	16.0
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)