

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: P839482

Luminaire Tested: **LD6C25D010 EU6259030 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839482  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C25D010 EU6259030 6LCSQWLI  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

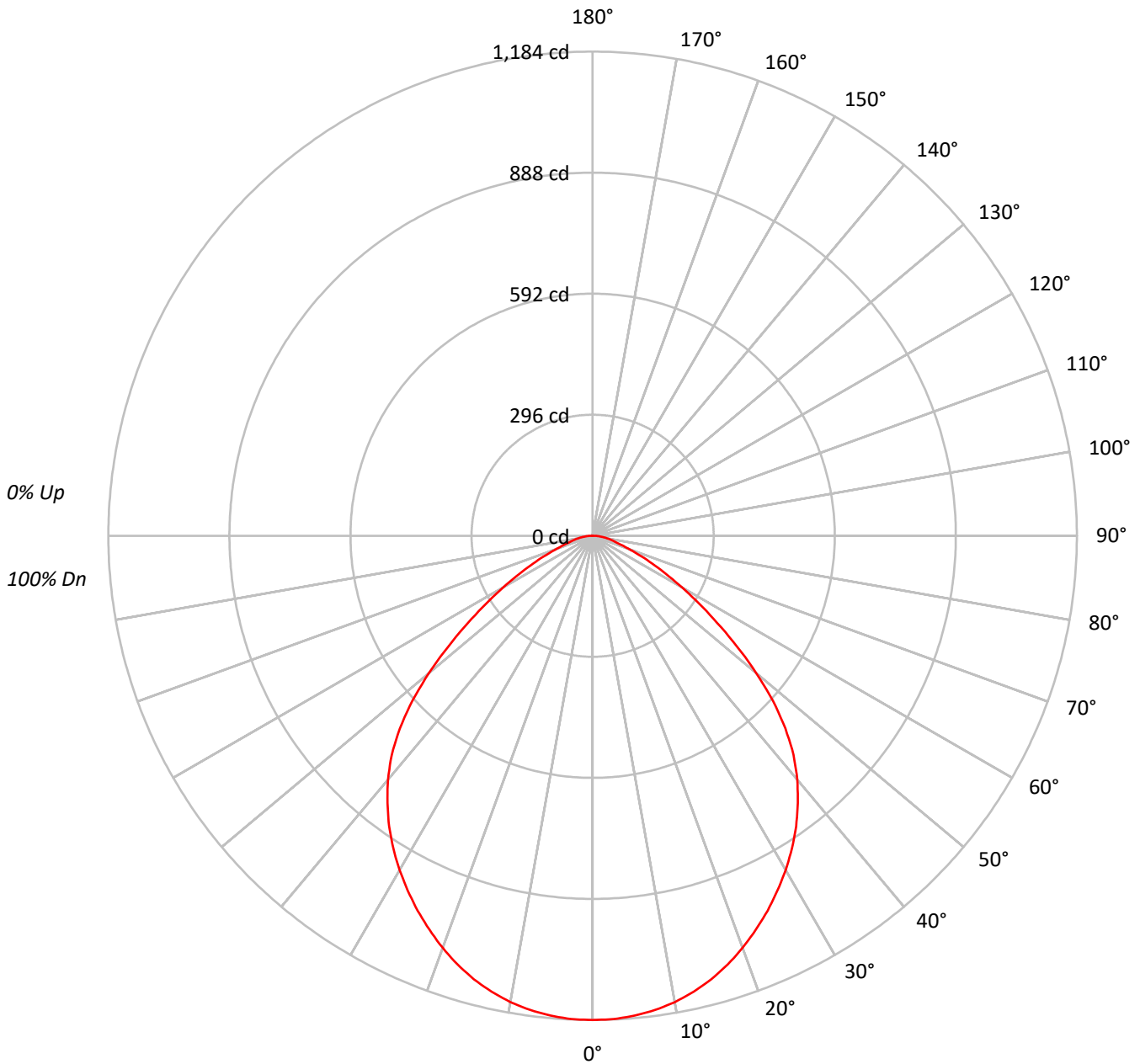
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2525.0 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.5  
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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	50987
5°	50905
10°	50628
15°	50039
20°	49132
25°	48067
30°	46922
35°	45586
40°	43750
45°	40583
50°	34965
55°	27887
60°	21717
65°	16250
70°	11796
75°	9349
80°	8753
85°	8744



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.8	4.4
10°-20°	316.2	12.5
20°-30°	465.9	18.5
30°-40°	541.2	21.4
40°-50°	508.8	20.1
50°-60°	336.8	13.3
60°-70°	162.3	6.4
70°-80°	62.6	2.5
80°-90°	19.5	0.8
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°	893.9	35.4
0°-40°	1435.1	56.8
0°-60°	2280.6	90.3
0°-90°	2525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1184	
5°	1178	112
15°	1123	316
25°	1012	466
35°	867	541
45°	666	509
55°	372	337
65°	160	162
75°	56	63
85°	18	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1184.2
2.5°	1183.1
5°	1177.8
7.5°	1169.7
10°	1158.0
12.5°	1141.9
15°	1122.6
17.5°	1099.1
20°	1072.3
22.5°	1042.9
25°	1011.8
27.5°	978.6
30°	943.8
32.5°	906.9
35°	867.3
37.5°	823.9
40°	778.4
42.5°	727.0
45°	666.5
47.5°	598.0
50°	522.0
52.5°	444.9
55°	371.5
57.5°	308.4
60°	252.2
62.5°	201.8
65°	159.5
67.5°	123.7
70°	93.7
72.5°	71.2
75°	56.2
77.5°	45.5
80°	35.3
82.5°	26.2
85°	17.7
87.5°	10.2
90°	0.0



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— 0°-180°







(END OF REPORT)