

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: P839483

Luminaire Tested: **LD6C25D010 EU6259035 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839483  
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 EU6259035 6LCSQWLI  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

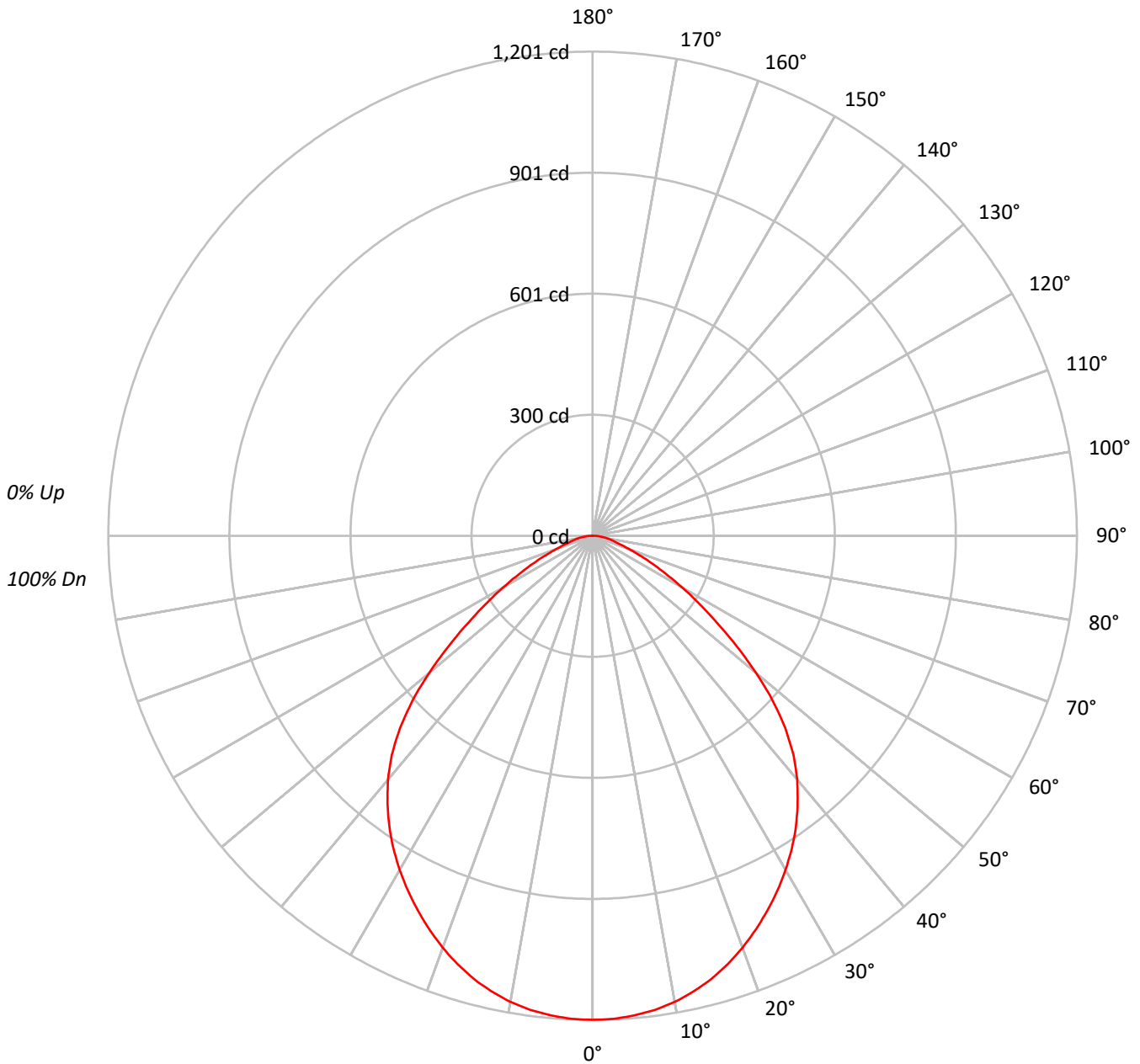
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2560.0 lumens  
Efficiency: N/A  
Efficacy: 81.3 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°	51693
5°	51609
10°	51327
15°	50735
20°	49814
25°	48732
30°	47574
35°	46217
40°	44357
45°	41149
50°	35447
55°	28277
60°	22010
65°	16474
70°	11959
75°	9482
80°	8877
85°	8843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.4	4.4
10°-20°	320.5	12.5
20°-30°	472.4	18.5
30°-40°	548.7	21.4
40°-50°	515.8	20.1
50°-60°	341.4	13.3
60°-70°	164.5	6.4
70°-80°	63.4	2.5
80°-90°	19.8	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°	906.3	35.4
0°-40°	1455.0	56.8
0°-60°	2312.2	90.3
0°-90°	2560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1201	
5°	1194	113
15°	1138	321
25°	1026	472
35°	879	549
45°	676	516
55°	377	341
65°	162	165
75°	57	63
85°	18	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1200.6
2.5°	1199.5
5°	1194.1
7.5°	1186.0
10°	1174.0
12.5°	1157.7
15°	1138.2
17.5°	1114.3
20°	1087.2
22.5°	1057.3
25°	1025.8
27.5°	992.2
30°	956.9
32.5°	919.5
35°	879.3
37.5°	835.3
40°	789.2
42.5°	737.1
45°	675.8
47.5°	606.3
50°	529.2
52.5°	451.0
55°	376.7
57.5°	312.6
60°	255.6
62.5°	204.6
65°	161.7
67.5°	125.4
70°	95.0
72.5°	72.2
75°	57.0
77.5°	46.1
80°	35.8
82.5°	26.6
85°	17.9
87.5°	10.3
90°	0.0



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— 0°-180°







(END OF REPORT)