

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: P839514

Luminaire Tested: **LD6C55D010 EU6559040 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839514  
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: LD6C55D010 EU6559040 6LCSQWLI  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

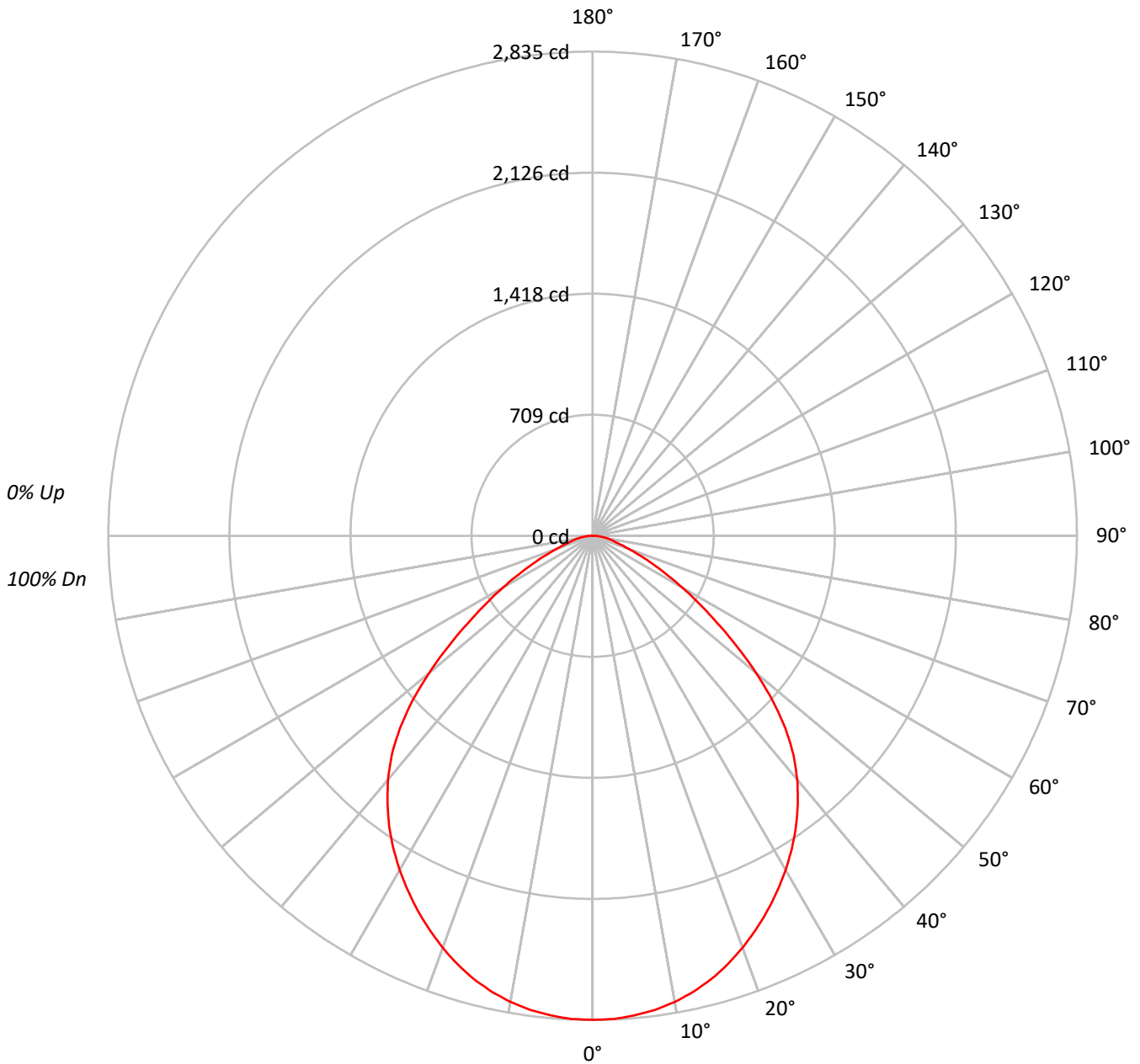
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6044.0 lumens  
Efficiency: N/A  
Efficacy: 94.6 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): 63.9  
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°	122046
5°	121846
10°	121183
15°	119781
20°	117603
25°	115056
30°	112319
35°	109117
40°	104721
45°	97144
50°	83688
55°	66756
60°	51977
65°	38907
70°	28236
75°	22391
80°	20976
85°	20897



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.6	4.4
10°-20°	756.8	12.5
20°-30°	1115.2	18.5
30°-40°	1295.6	21.4
40°-50°	1217.8	20.1
50°-60°	806.1	13.3
60°-70°	388.4	6.4
70°-80°	149.8	2.5
80°-90°	46.7	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°	2139.6	35.4
0°-40°	3435.2	56.8
0°-60°	5459.1	90.3
0°-90°	6044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6044.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2835	
5°	2819	268
15°	2687	757
25°	2422	1115
35°	2076	1296
45°	1595	1218
55°	889	806
65°	382	388
75°	135	150
85°	42	47
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2834.6
2.5°	2832.0
5°	2819.2
7.5°	2800.0
10°	2771.8
12.5°	2733.3
15°	2687.2
17.5°	2630.8
20°	2566.7
22.5°	2496.3
25°	2421.9
27.5°	2342.5
30°	2259.2
32.5°	2170.8
35°	2076.0
37.5°	1972.2
40°	1863.2
42.5°	1740.2
45°	1595.4
47.5°	1431.4
50°	1249.4
52.5°	1064.9
55°	889.3
57.5°	738.1
60°	603.6
62.5°	483.1
65°	381.9
67.5°	296.0
70°	224.3
72.5°	170.4
75°	134.6
77.5°	108.9
80°	84.6
82.5°	62.8
85°	42.3
87.5°	24.3
90°	0.0



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— 0°-180°







(END OF REPORT)