

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: P839535

Luminaire Tested: **LD6C75D010 EU6759050 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839535  
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: LD6C75D010 EU6759050 6LCSQWLI  
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

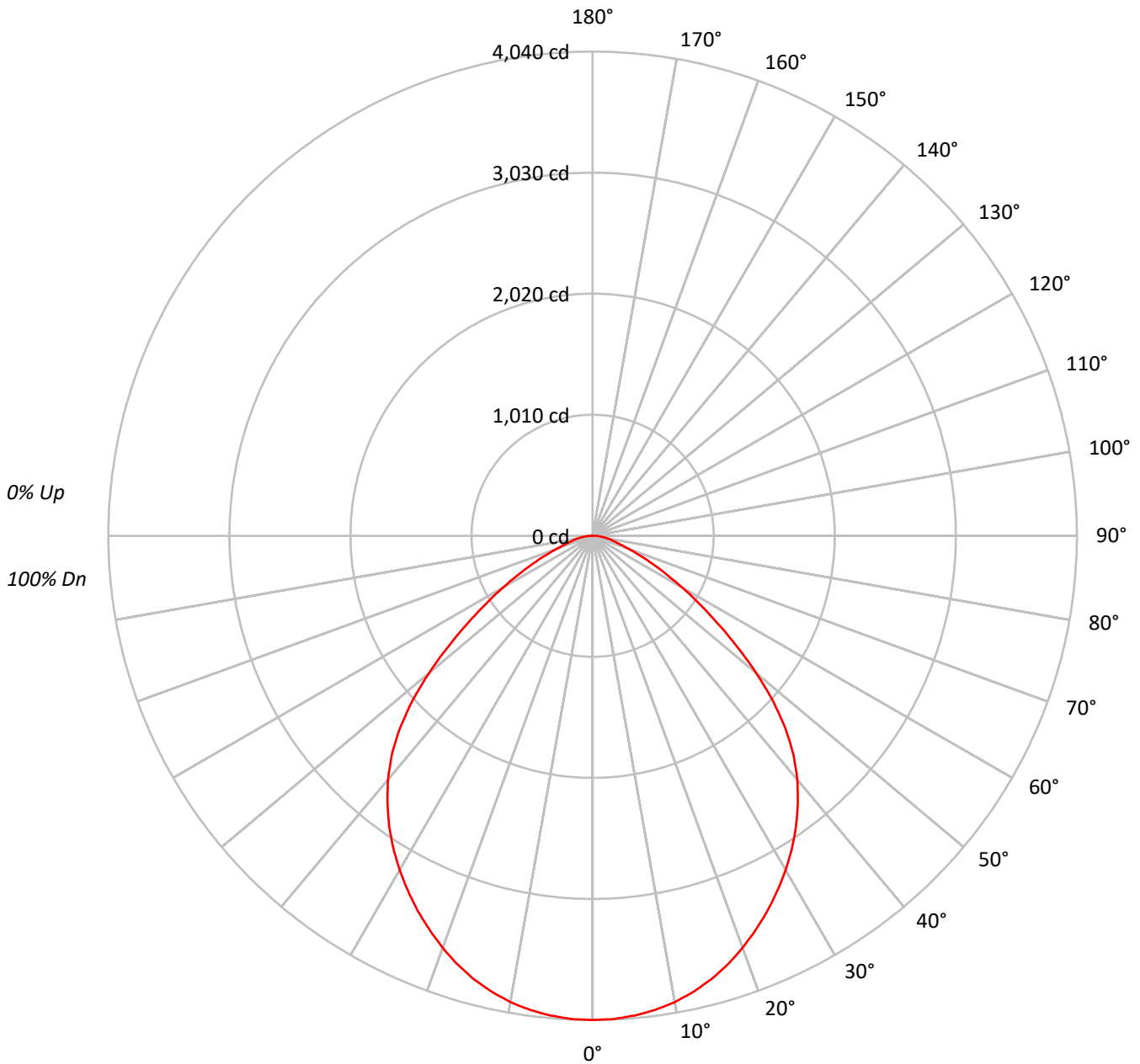
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8614.0 lumens  
Efficiency: N/A  
Efficacy: 105.7 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): 81.5  
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			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			

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

	0°
0°	173941
5°	173658
10°	172711
15°	170711
20°	167615
25°	163984
30°	160077
35°	155513
40°	149253
45°	138451
50°	119276
55°	95145
60°	74073
65°	55452
70°	40233
75°	31907
80°	29878
85°	29789



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.4	4.4
10°-20°	1078.6	12.5
20°-30°	1589.5	18.5
30°-40°	1846.4	21.4
40°-50°	1735.6	20.1
50°-60°	1148.9	13.3
60°-70°	553.6	6.4
70°-80°	213.5	2.5
80°-90°	66.6	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°	3049.5	35.4
0°-40°	4895.9	56.8
0°-60°	7780.3	90.3
0°-90°	8614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4040	
5°	4018	381
15°	3830	1079
25°	3452	1589
35°	2959	1846
45°	2274	1736
55°	1268	1149
65°	544	554
75°	192	213
85°	60	67
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4039.9
2.5°	4036.2
5°	4018.0
7.5°	3990.6
10°	3950.4
12.5°	3895.6
15°	3829.8
17.5°	3749.5
20°	3658.2
22.5°	3557.7
25°	3451.8
27.5°	3338.6
30°	3219.8
32.5°	3093.8
35°	2958.7
37.5°	2810.7
40°	2655.5
42.5°	2480.2
45°	2273.8
47.5°	2040.0
50°	1780.7
52.5°	1517.7
55°	1267.5
57.5°	1052.0
60°	860.2
62.5°	688.5
65°	544.3
67.5°	421.9
70°	319.6
72.5°	242.9
75°	191.8
77.5°	155.2
80°	120.5
82.5°	89.5
85°	60.3
87.5°	34.7
90°	0.0



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— 0°-180°







(END OF REPORT)