

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: P839495

Luminaire Tested: **LD6C35D010 EU6359050 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839495  
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: LD6C35D010 EU6359050 6LCSQWLI  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

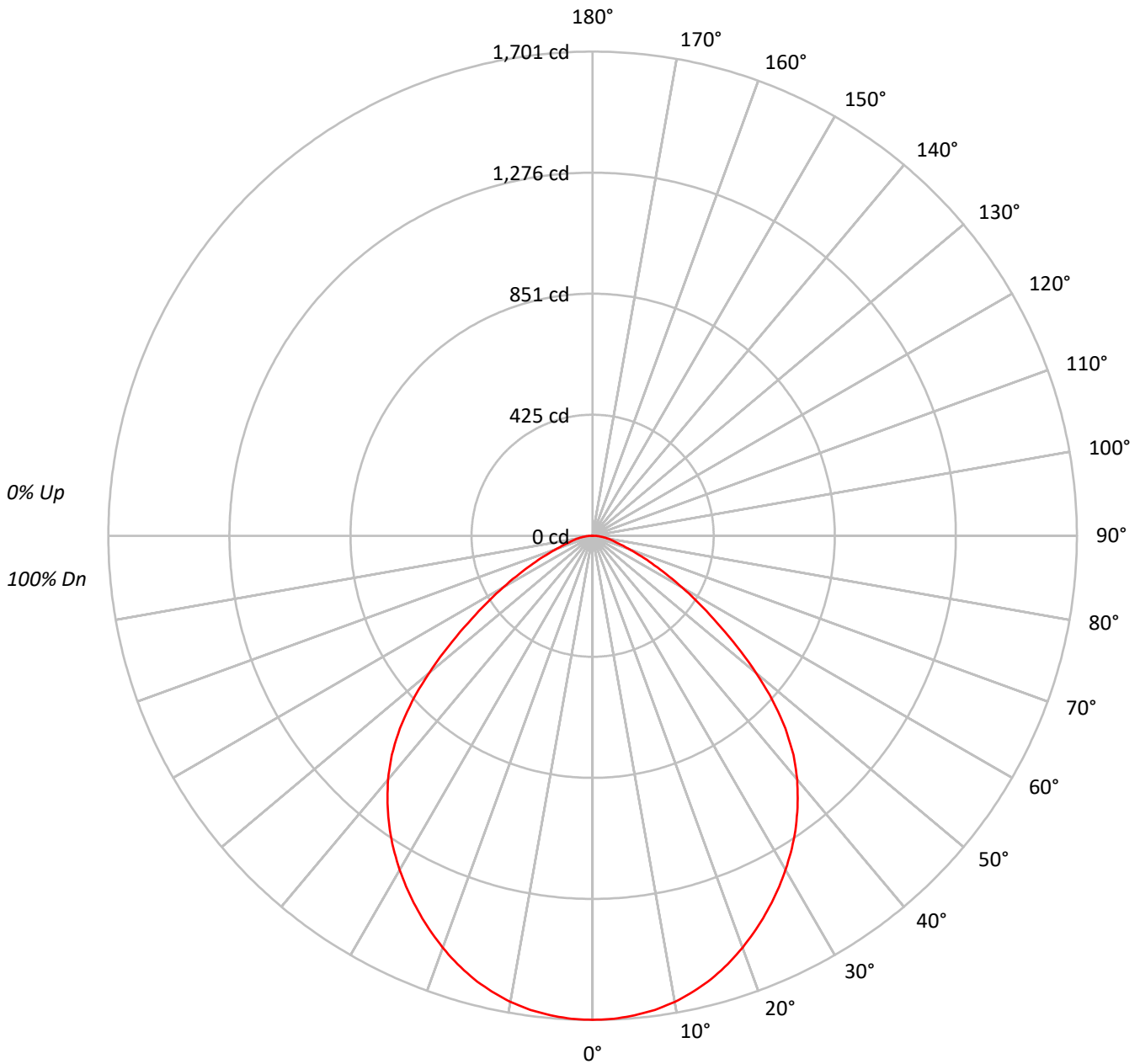
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3625.9 lumens  
Efficiency: N/A  
Efficacy: 89.8 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): 40.4  
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°	73220
5°	73098
10°	72702
15°	71859
20°	70556
25°	69027
30°	67386
35°	65460
40°	62826
45°	58278
50°	50210
55°	40047
60°	31181
65°	23340
70°	16932
75°	13425
80°	12571
85°	12548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.6	4.4
10°-20°	454.0	12.5
20°-30°	669.1	18.5
30°-40°	777.2	21.4
40°-50°	730.6	20.1
50°-60°	483.6	13.3
60°-70°	233.0	6.4
70°-80°	89.8	2.5
80°-90°	28.0	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°	1283.6	35.4
0°-40°	2060.9	56.8
0°-60°	3275.0	90.3
0°-90°	3625.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3625.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1701	
5°	1691	161
15°	1612	454
25°	1453	669
35°	1245	777
45°	957	731
55°	534	484
65°	229	233
75°	81	90
85°	25	28
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1700.6
2.5°	1699.0
5°	1691.3
7.5°	1679.8
10°	1662.9
12.5°	1639.8
15°	1612.1
17.5°	1578.3
20°	1539.9
22.5°	1497.6
25°	1453.0
27.5°	1405.3
30°	1355.4
32.5°	1302.3
35°	1245.4
37.5°	1183.2
40°	1117.8
42.5°	1044.0
45°	957.1
47.5°	858.7
50°	749.6
52.5°	638.9
55°	533.5
57.5°	442.8
60°	362.1
62.5°	289.8
65°	229.1
67.5°	177.6
70°	134.5
72.5°	102.2
75°	80.7
77.5°	65.3
80°	50.7
82.5°	37.7
85°	25.4
87.5°	14.6
90°	0.0



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— 0°-180°







(END OF REPORT)