

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: P839492

Luminaire Tested: **LD6C35D010 EU6359030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839492
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 EU6359030 6LCSQWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

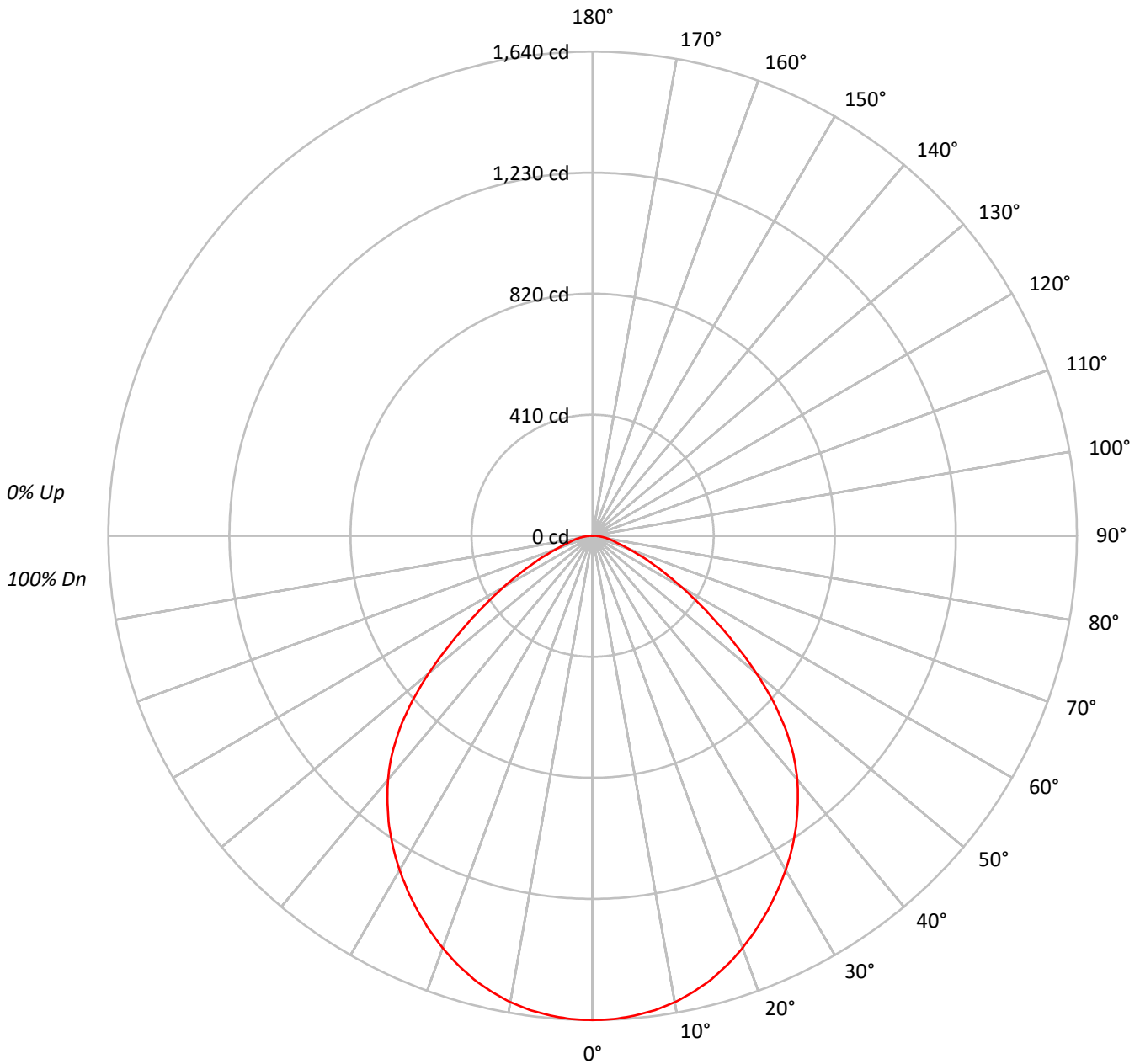
Lumens per Lamp: N/A
Luminaire Lumens: 3498.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
Input Current (A_{in}): 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°	70633
5°	70518
10°	70135
15°	69322
20°	68064
25°	66590
30°	65004
35°	63152
40°	60612
45°	56226
50°	48435
55°	38636
60°	30079
65°	22515
70°	16340
75°	12959
80°	12125
85°	12103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	4.4
10°-20°	438.0	12.5
20°-30°	645.4	18.5
30°-40°	749.8	21.4
40°-50°	704.8	20.1
50°-60°	466.5	13.3
60°-70°	224.8	6.4
70°-80°	86.7	2.5
80°-90°	27.0	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°	1238.3	35.4
0°-40°	1988.1	56.8
0°-60°	3159.5	90.3
0°-90°	3498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1640	
5°	1632	155
15°	1555	438
25°	1402	645
35°	1202	750
45°	923	705
55°	515	467
65°	221	225
75°	78	87
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1640.5
2.5°	1639.0
5°	1631.6
7.5°	1620.5
10°	1604.2
12.5°	1581.9
15°	1555.2
17.5°	1522.6
20°	1485.5
22.5°	1444.7
25°	1401.7
27.5°	1355.7
30°	1307.5
32.5°	1256.4
35°	1201.5
37.5°	1141.4
40°	1078.4
42.5°	1007.2
45°	923.4
47.5°	828.4
50°	723.1
52.5°	616.3
55°	514.7
57.5°	427.2
60°	349.3
62.5°	279.6
65°	221.0
67.5°	171.3
70°	129.8
72.5°	98.6
75°	77.9
77.5°	63.0
80°	48.9
82.5°	36.3
85°	24.5
87.5°	14.1
90°	0.0



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— 0°-180°







(END OF REPORT)