

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: P839529

Luminaire Tested: **LD6C70D010 EU6709040 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839529
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: LD6C70D010 EU6709040 6LCSQWLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

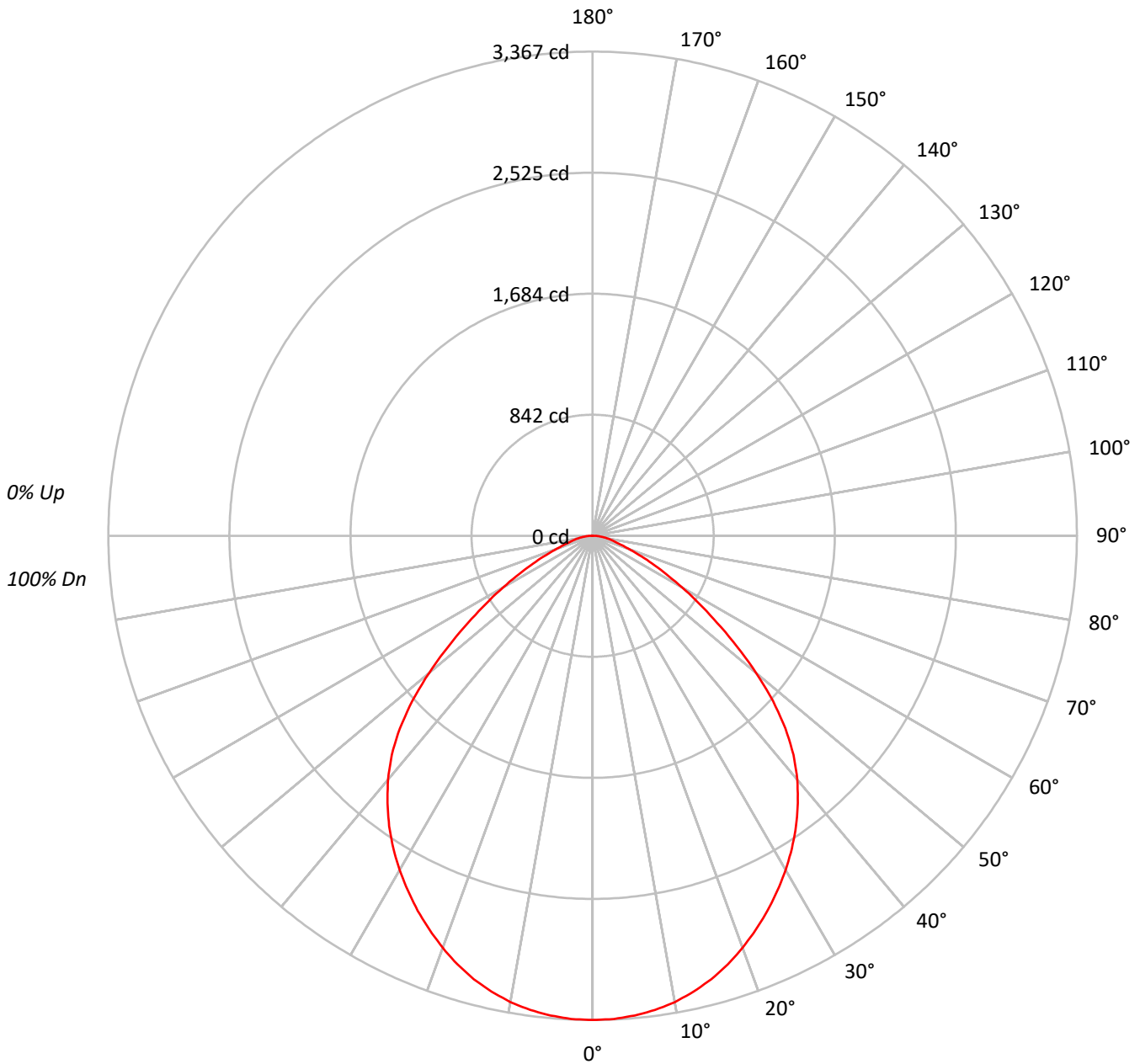
Lumens per Lamp: N/A
Luminaire Lumens: 7179.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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°	144964
5°	144727
10°	143939
15°	142273
20°	139693
25°	136667
30°	133414
35°	129606
40°	124388
45°	115386
50°	99402
55°	79291
60°	61733
65°	46212
70°	33536
75°	26583
80°	24919
85°	24799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.9	4.4
10°-20°	898.9	12.5
20°-30°	1324.7	18.5
30°-40°	1538.8	21.4
40°-50°	1446.5	20.1
50°-60°	957.5	13.3
60°-70°	461.4	6.4
70°-80°	177.9	2.5
80°-90°	55.5	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°	2541.5	35.4
0°-40°	4080.3	56.8
0°-60°	6484.2	90.3
0°-90°	7179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7179.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3367	
5°	3349	318
15°	3192	899
25°	2877	1325
35°	2466	1539
45°	1895	1446
55°	1056	957
65°	454	461
75°	160	178
85°	50	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3366.9
2.5°	3363.8
5°	3348.6
7.5°	3325.8
10°	3292.3
12.5°	3246.6
15°	3191.8
17.5°	3124.9
20°	3048.8
22.5°	2965.0
25°	2876.8
27.5°	2782.4
30°	2683.5
32.5°	2578.4
35°	2465.8
37.5°	2342.5
40°	2213.1
42.5°	2067.0
45°	1895.0
47.5°	1700.2
50°	1484.0
52.5°	1264.9
55°	1056.3
57.5°	876.7
60°	716.9
62.5°	573.8
65°	453.6
67.5°	351.6
70°	266.4
72.5°	202.4
75°	159.8
77.5°	129.4
80°	100.5
82.5°	74.6
85°	50.2
87.5°	28.9
90°	0.0



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— 0°-180°







(END OF REPORT)