

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: P839445

Luminaire Tested: **LD6C08D010 EU6089050 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839445
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: LD6C08D010 EU6089050 6LCSQWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

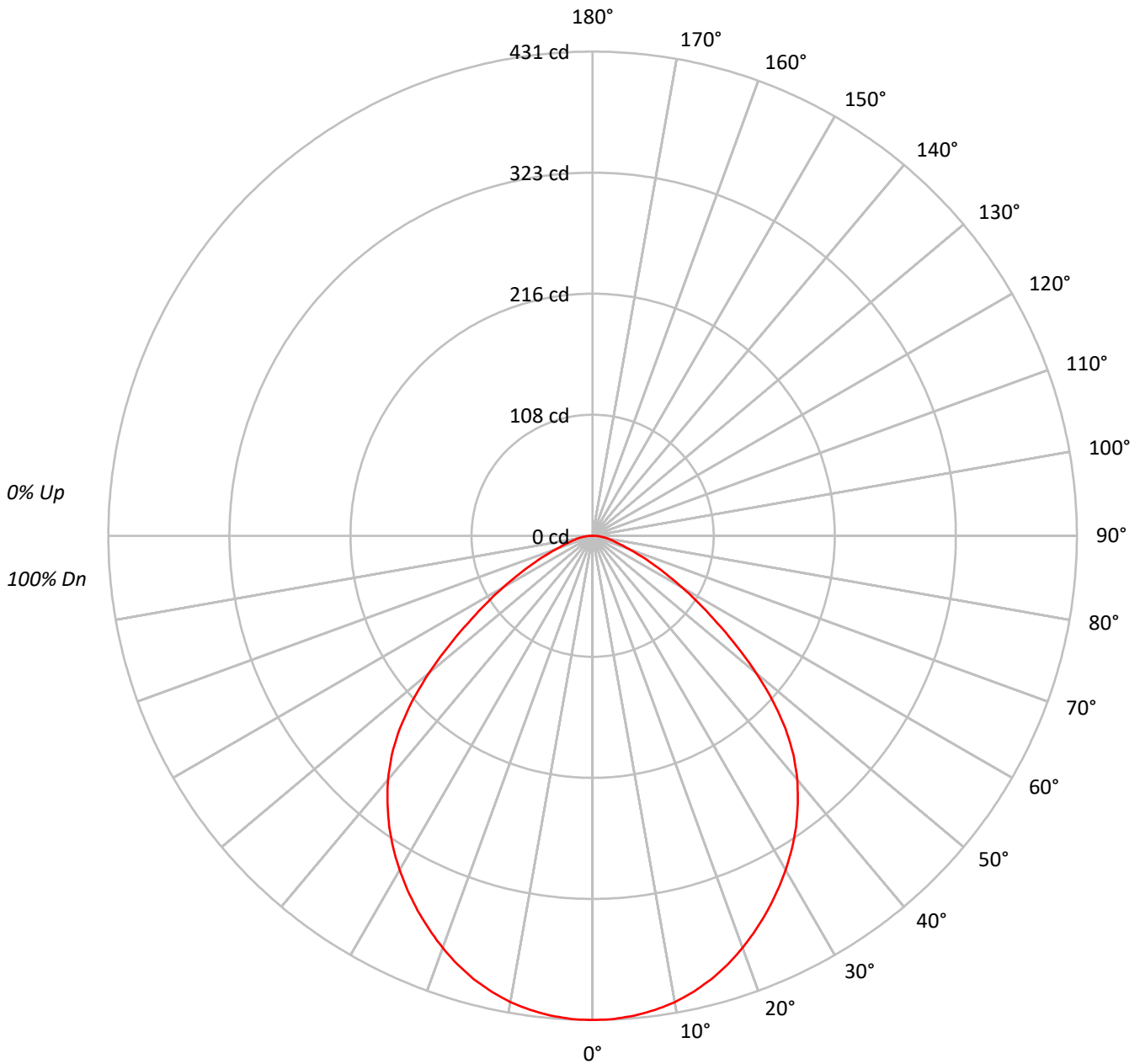
Lumens per Lamp: N/A
Luminaire Lumens: 919.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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°	18557
5°	18528
10°	18428
15°	18213
20°	17883
25°	17497
30°	17078
35°	16594
40°	15923
45°	14772
50°	12727
55°	10149
60°	7905
65°	5919
70°	4293
75°	3410
80°	3199
85°	3162



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	4.4
10°-20°	115.1	12.5
20°-30°	169.6	18.5
30°-40°	197.0	21.4
40°-50°	185.2	20.1
50°-60°	122.6	13.3
60°-70°	59.1	6.4
70°-80°	22.8	2.5
80°-90°	7.1	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°	325.3	35.4
0°-40°	522.4	56.8
0°-60°	830.1	90.3
0°-90°	919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	919.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	431	
5°	429	41
15°	409	115
25°	368	170
35°	316	197
45°	243	185
55°	135	123
65°	58	59
75°	20	23
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	431.0
2.5°	430.6
5°	428.7
7.5°	425.7
10°	421.5
12.5°	415.6
15°	408.6
17.5°	400.0
20°	390.3
22.5°	379.6
25°	368.3
27.5°	356.2
30°	343.5
32.5°	330.1
35°	315.7
37.5°	299.9
40°	283.3
42.5°	264.6
45°	242.6
47.5°	217.6
50°	190.0
52.5°	161.9
55°	135.2
57.5°	112.2
60°	91.8
62.5°	73.5
65°	58.1
67.5°	45.0
70°	34.1
72.5°	25.9
75°	20.5
77.5°	16.6
80°	12.9
82.5°	9.5
85°	6.4
87.5°	3.7
90°	0.0



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— 0°-180°







(END OF REPORT)