

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: P839440

Luminaire Tested: **LD6C05D010 EU6059050 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839440
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: LD6C05D010 EU6059050 6LCSQWLI
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

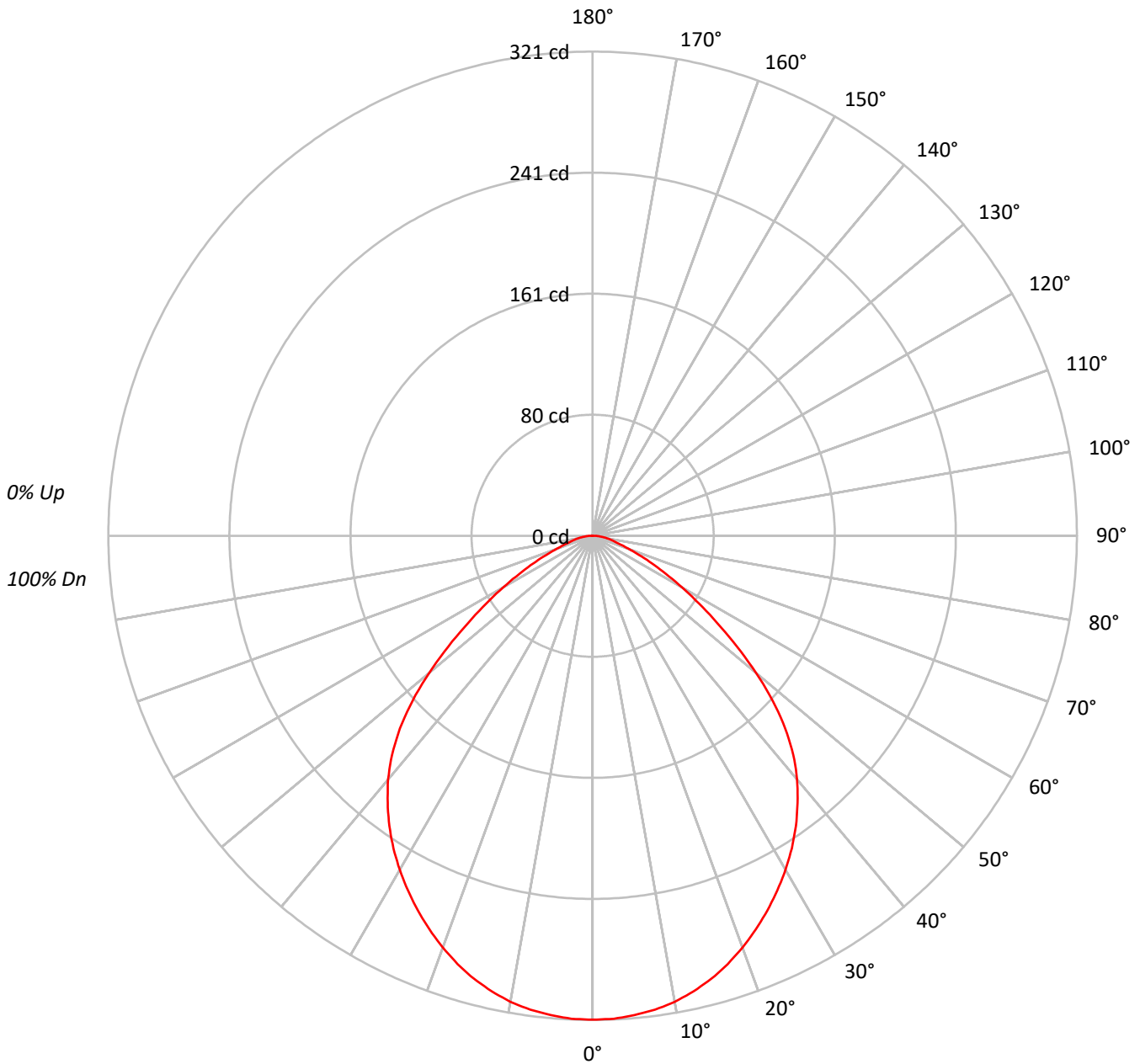
Lumens per Lamp: N/A
Luminaire Lumens: 684.0 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13812
5°	13787
10°	13715
15°	13555
20°	13310
25°	13022
30°	12712
35°	12347
40°	11854
45°	10997
50°	9471
55°	7552
60°	5881
65°	4401
70°	3198
75°	2529
80°	2380
85°	2371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	4.4
10°-20°	85.6	12.5
20°-30°	126.2	18.5
30°-40°	146.6	21.4
40°-50°	137.8	20.1
50°-60°	91.2	13.3
60°-70°	44.0	6.4
70°-80°	16.9	2.5
80°-90°	5.3	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°	242.1	35.4
0°-40°	388.8	56.8
0°-60°	617.8	90.3
0°-90°	684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	684.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	321	
5°	319	30
15°	304	86
25°	274	126
35°	235	147
45°	181	138
55°	101	91
65°	43	44
75°	15	17
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	320.8
2.5°	320.5
5°	319.0
7.5°	316.9
10°	313.7
12.5°	309.3
15°	304.1
17.5°	297.7
20°	290.5
22.5°	282.5
25°	274.1
27.5°	265.1
30°	255.7
32.5°	245.7
35°	234.9
37.5°	223.2
40°	210.9
42.5°	196.9
45°	180.6
47.5°	162.0
50°	141.4
52.5°	120.5
55°	100.6
57.5°	83.5
60°	68.3
62.5°	54.7
65°	43.2
67.5°	33.5
70°	25.4
72.5°	19.3
75°	15.2
77.5°	12.3
80°	9.6
82.5°	7.1
85°	4.8
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)