

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: P839542

Luminaire Tested: **LD6C90D010 EU6909030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839542
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: LD6C90D010 EU6909030 6LCSQWLI
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

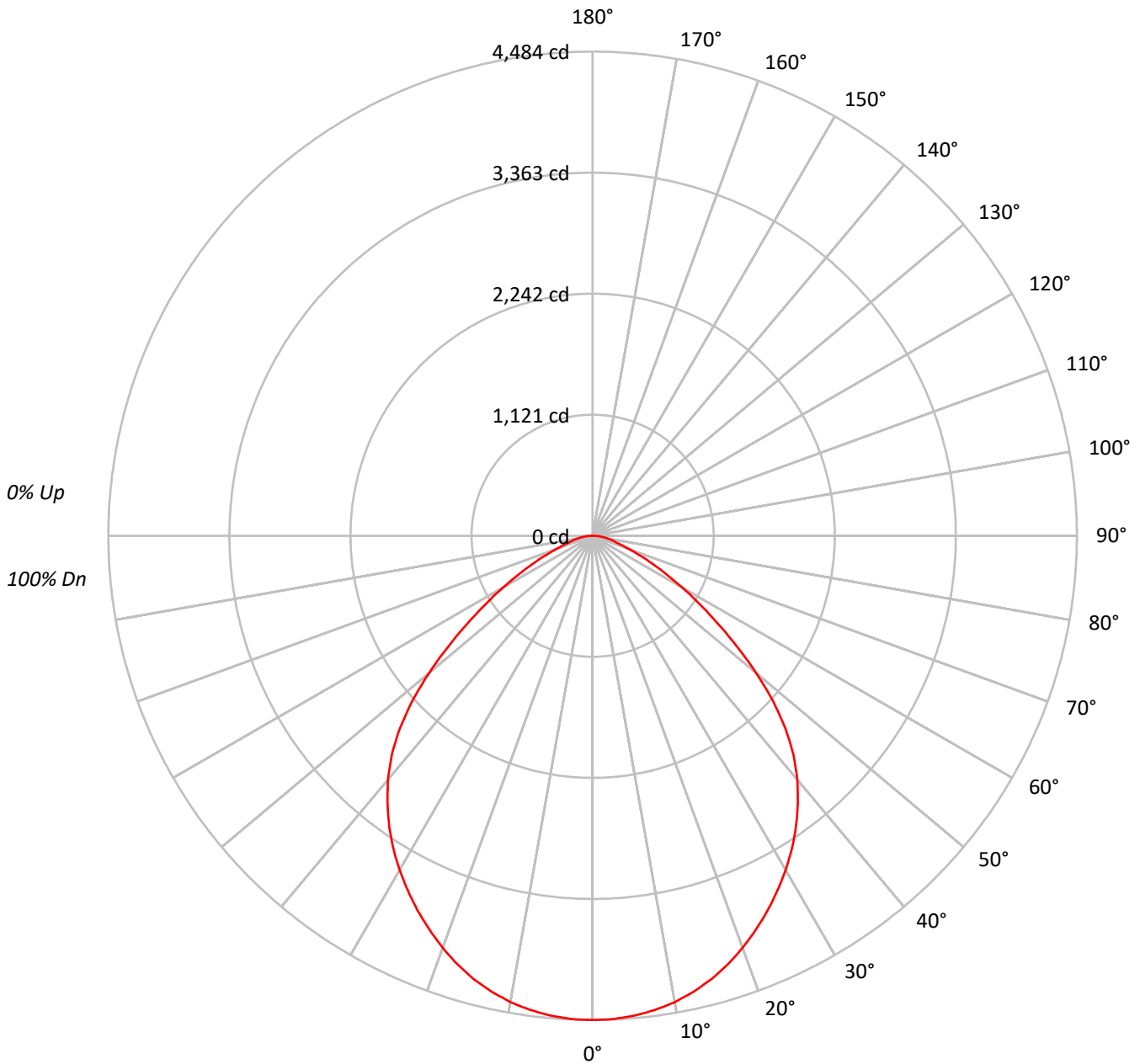
Lumens per Lamp: N/A
Luminaire Lumens: 9560.9 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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°	193062
5°	192749
10°	191698
15°	189482
20°	186038
25°	182012
30°	177676
35°	172606
40°	165659
45°	153674
50°	132385
55°	105602
60°	82219
65°	61545
70°	44652
75°	35400
80°	33175
85°	33049



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.4	4.4
10°-20°	1197.1	12.5
20°-30°	1764.2	18.5
30°-40°	2049.4	21.4
40°-50°	1926.4	20.1
50°-60°	1275.1	13.3
60°-70°	614.5	6.4
70°-80°	236.9	2.5
80°-90°	73.9	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°	3384.7	35.4
0°-40°	5434.1	56.8
0°-60°	8635.6	90.3
0°-90°	9560.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9560.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4484	
5°	4460	423
15°	4251	1197
25°	3831	1764
35°	3284	2049
45°	2524	1926
55°	1407	1275
65°	604	614
75°	213	237
85°	67	74
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4484.0
2.5°	4480.0
5°	4459.7
7.5°	4429.3
10°	4384.7
12.5°	4323.9
15°	4250.9
17.5°	4161.7
20°	4060.3
22.5°	3948.8
25°	3831.3
27.5°	3705.6
30°	3573.8
32.5°	3434.0
35°	3283.9
37.5°	3119.7
40°	2947.4
42.5°	2752.8
45°	2523.8
47.5°	2264.3
50°	1976.4
52.5°	1684.5
55°	1406.8
57.5°	1167.6
60°	954.8
62.5°	764.2
65°	604.1
67.5°	468.3
70°	354.7
72.5°	269.6
75°	212.8
77.5°	172.3
80°	133.8
82.5°	99.3
85°	66.9
87.5°	38.5
90°	0.0



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— 0°-180°







(END OF REPORT)