

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: P839512

Luminaire Tested: **LD6C55D010 EU6559030 6LCSQWLI**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839512
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: LD6C55D010 EU6559030 6LCSQWLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

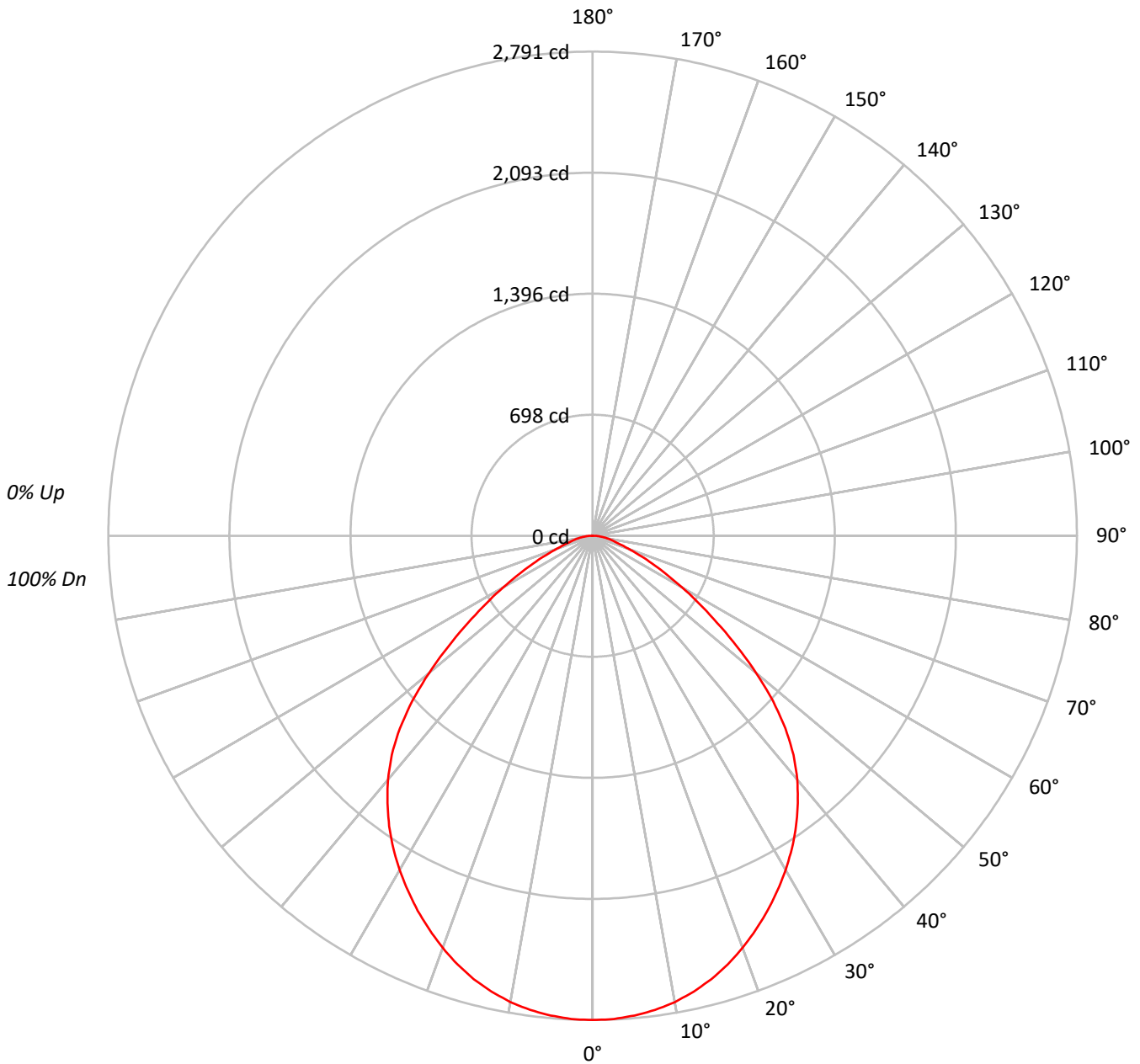
Lumens per Lamp: N/A
Luminaire Lumens: 5951.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	120168
5°	119970
10°	119316
15°	117940
20°	115798
25°	113289
30°	110589
35°	107435
40°	103114
45°	95652
50°	82402
55°	65727
60°	51176
65°	38306
70°	27796
75°	22042
80°	20654
85°	20551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.5	4.4
10°-20°	745.1	12.5
20°-30°	1098.1	18.5
30°-40°	1275.6	21.4
40°-50°	1199.0	20.1
50°-60°	793.7	13.3
60°-70°	382.5	6.4
70°-80°	147.5	2.5
80°-90°	46.0	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°	2106.7	35.4
0°-40°	3382.3	56.8
0°-60°	5375.1	90.3
0°-90°	5951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5951.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2791	
5°	2776	264
15°	2646	745
25°	2385	1098
35°	2044	1276
45°	1571	1199
55°	876	794
65°	376	382
75°	132	147
85°	42	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2791.0
2.5°	2788.4
5°	2775.8
7.5°	2756.9
10°	2729.1
12.5°	2691.3
15°	2645.9
17.5°	2590.3
20°	2527.3
22.5°	2457.9
25°	2384.7
27.5°	2306.4
30°	2224.4
32.5°	2137.4
35°	2044.0
37.5°	1941.8
40°	1834.6
42.5°	1713.4
45°	1570.9
47.5°	1409.4
50°	1230.2
52.5°	1048.5
55°	875.6
57.5°	726.8
60°	594.3
62.5°	475.7
65°	376.0
67.5°	291.5
70°	220.8
72.5°	167.8
75°	132.5
77.5°	107.2
80°	83.3
82.5°	61.8
85°	41.6
87.5°	24.0
90°	0.0



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— 0°-180°







(END OF REPORT)