

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: P839329

Luminaire Tested: **LD4C55D010 EU4559030 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839329
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: LD4C55D010 EU4559030 4LBPSMW
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

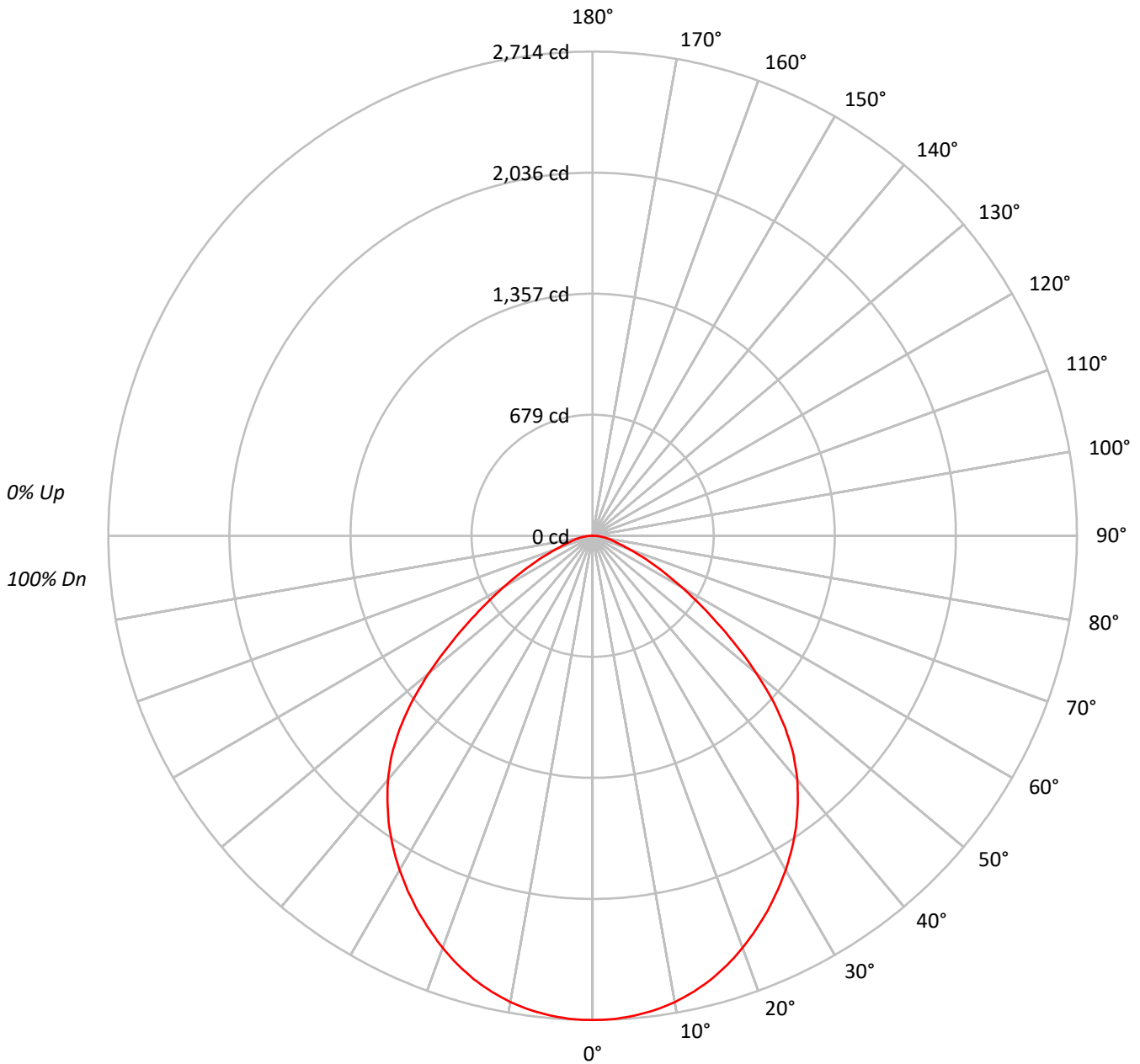
Lumens per Lamp: N/A
Luminaire Lumens: 5788.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	333486
5°	332947
10°	331133
15°	327304
20°	321354
25°	314404
30°	306912
35°	298153
40°	286155
45°	265442
50°	228682
55°	182424
60°	142019
65°	106308
70°	77156
75°	61185
80°	57306
85°	57088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	4.4
10°-20°	724.7	12.5
20°-30°	1068.0	18.5
30°-40°	1240.6	21.4
40°-50°	1166.2	20.1
50°-60°	772.0	13.3
60°-70°	372.0	6.4
70°-80°	143.5	2.5
80°-90°	44.7	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°	2049.0	35.4
0°-40°	3289.7	56.8
0°-60°	5227.8	90.3
0°-90°	5788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5788.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2714	
5°	2700	256
15°	2573	725
25°	2319	1068
35°	1988	1241
45°	1528	1166
55°	852	772
65°	366	372
75°	129	143
85°	40	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2714.5
2.5°	2712.1
5°	2699.8
7.5°	2681.4
10°	2654.4
12.5°	2617.6
15°	2573.4
17.5°	2519.4
20°	2458.0
22.5°	2390.5
25°	2319.4
27.5°	2243.3
30°	2163.5
32.5°	2078.8
35°	1988.0
37.5°	1888.6
40°	1784.3
42.5°	1666.5
45°	1527.8
47.5°	1370.8
50°	1196.5
52.5°	1019.8
55°	851.7
57.5°	706.9
60°	578.0
62.5°	462.6
65°	365.7
67.5°	283.5
70°	214.8
72.5°	163.2
75°	128.9
77.5°	104.3
80°	81.0
82.5°	60.1
85°	40.5
87.5°	23.3
90°	0.0



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— 0°-180°







(END OF REPORT)