

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: P839269

Luminaire Tested: **LD4C35D010 EU4359030 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839269
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: LD4C35D010 EU4359030 4LBPSMW
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

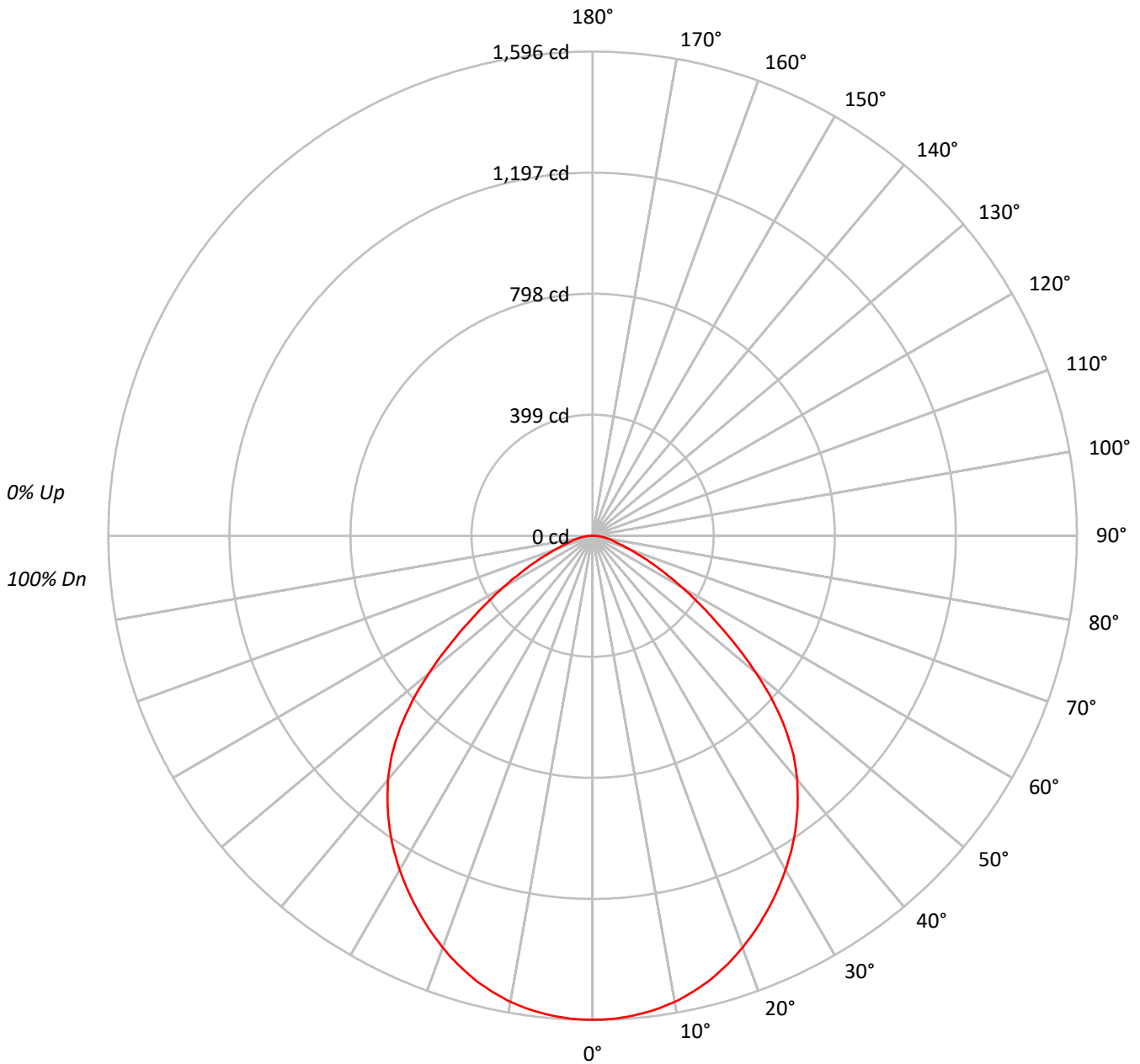
Lumens per Lamp: N/A
Luminaire Lumens: 3402.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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			
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°	196013
5°	195689
10°	194633
15°	192383
20°	188890
25°	184787
30°	180388
35°	175247
40°	168200
45°	156019
50°	134419
55°	107223
60°	83467
65°	62471
70°	45331
75°	35932
80°	33676
85°	33548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	4.4
10°-20°	426.0	12.5
20°-30°	627.7	18.5
30°-40°	729.2	21.4
40°-50°	685.5	20.1
50°-60°	453.7	13.3
60°-70°	218.6	6.4
70°-80°	84.3	2.5
80°-90°	26.3	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°	1204.3	35.4
0°-40°	1933.6	56.8
0°-60°	3072.8	90.3
0°-90°	3402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3402.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1596	
5°	1587	151
15°	1513	426
25°	1363	628
35°	1168	729
45°	898	685
55°	501	454
65°	215	219
75°	76	84
85°	24	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1595.5
2.5°	1594.1
5°	1586.8
7.5°	1576.0
10°	1560.2
12.5°	1538.5
15°	1512.6
17.5°	1480.8
20°	1444.8
22.5°	1405.1
25°	1363.2
27.5°	1318.5
30°	1271.6
32.5°	1221.9
35°	1168.5
37.5°	1110.1
40°	1048.8
42.5°	979.5
45°	898.0
47.5°	805.7
50°	703.3
52.5°	599.4
55°	500.6
57.5°	415.5
60°	339.7
62.5°	271.9
65°	214.9
67.5°	166.6
70°	126.2
72.5°	95.9
75°	75.7
77.5°	61.3
80°	47.6
82.5°	35.3
85°	23.8
87.5°	13.7
90°	0.0



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— 0°-180°







(END OF REPORT)