

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: P839263

Luminaire Tested: **LD4C30D010 EU4309050 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839263
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: LD4C30D010 EU4309050 4LBPSMW
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

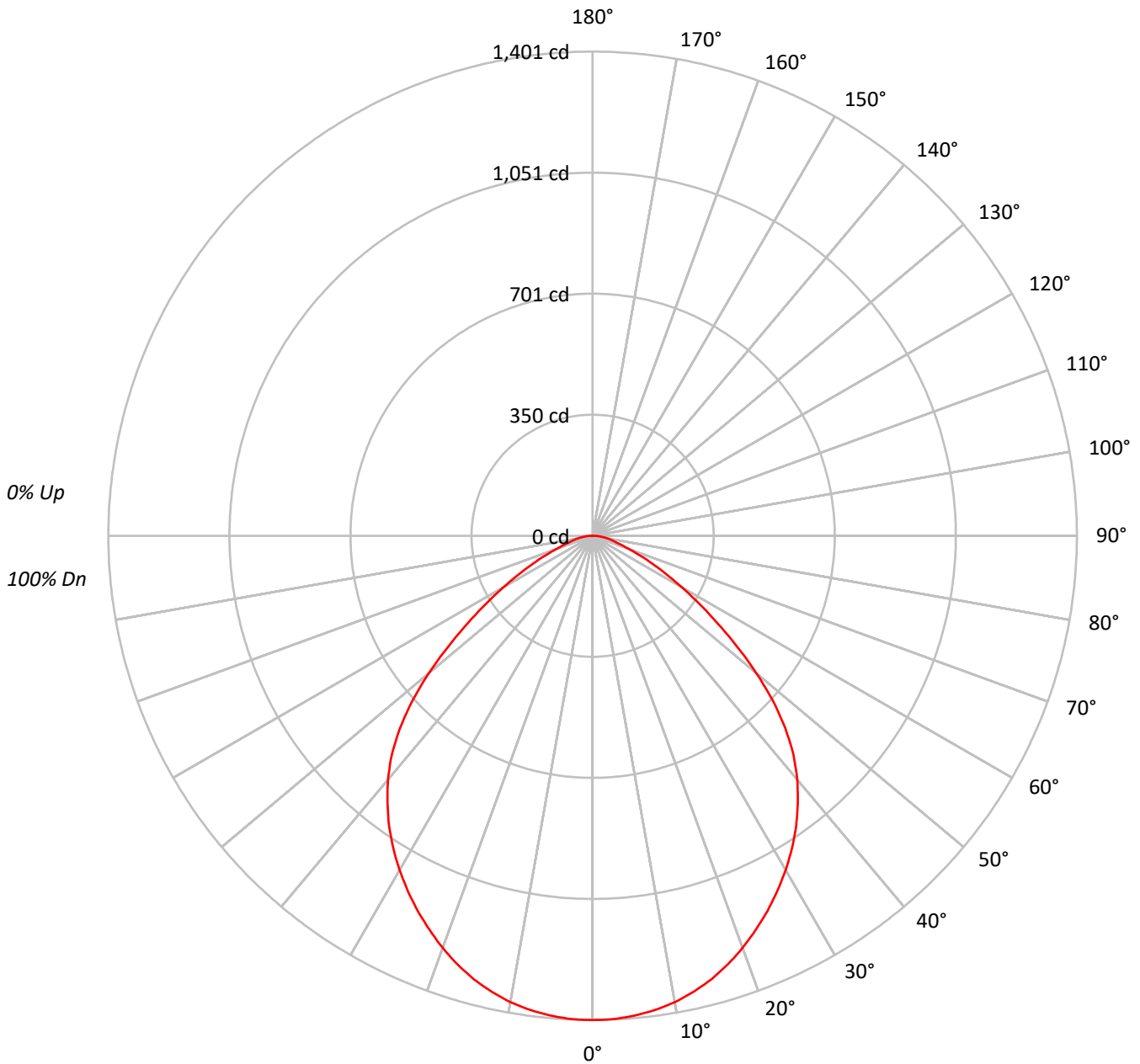
Lumens per Lamp: N/A
Luminaire Lumens: 2988.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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°	172155
5°	171875
10°	170943
15°	168968
20°	165893
25°	162299
30°	158442
35°	153921
40°	147720
45°	137030
50°	118059
55°	94179
60°	73319
65°	54883
70°	39835
75°	31566
80°	29573
85°	29460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	4.4
10°-20°	374.1	12.5
20°-30°	551.3	18.5
30°-40°	640.5	21.4
40°-50°	602.0	20.1
50°-60°	398.5	13.3
60°-70°	192.0	6.4
70°-80°	74.0	2.5
80°-90°	23.1	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°	1057.8	35.4
0°-40°	1698.3	56.8
0°-60°	2698.8	90.3
0°-90°	2988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2988.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1401	
5°	1394	132
15°	1328	374
25°	1197	551
35°	1026	640
45°	789	602
55°	440	399
65°	189	192
75°	66	74
85°	21	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1401.3
2.5°	1400.1
5°	1393.7
7.5°	1384.2
10°	1370.3
12.5°	1351.3
15°	1328.5
17.5°	1300.6
20°	1268.9
22.5°	1234.1
25°	1197.3
27.5°	1158.1
30°	1116.9
32.5°	1073.2
35°	1026.3
37.5°	975.0
40°	921.1
42.5°	860.3
45°	788.7
47.5°	707.6
50°	617.7
52.5°	526.5
55°	439.7
57.5°	364.9
60°	298.4
62.5°	238.8
65°	188.8
67.5°	146.3
70°	110.9
72.5°	84.3
75°	66.5
77.5°	53.8
80°	41.8
82.5°	31.0
85°	20.9
87.5°	12.0
90°	0.0



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— 0°-180°







(END OF REPORT)