

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: P839927

Luminaire Tested: **LDS4C30D010 EU4309040 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C30D010 EU4309040 4LBCSMMS
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

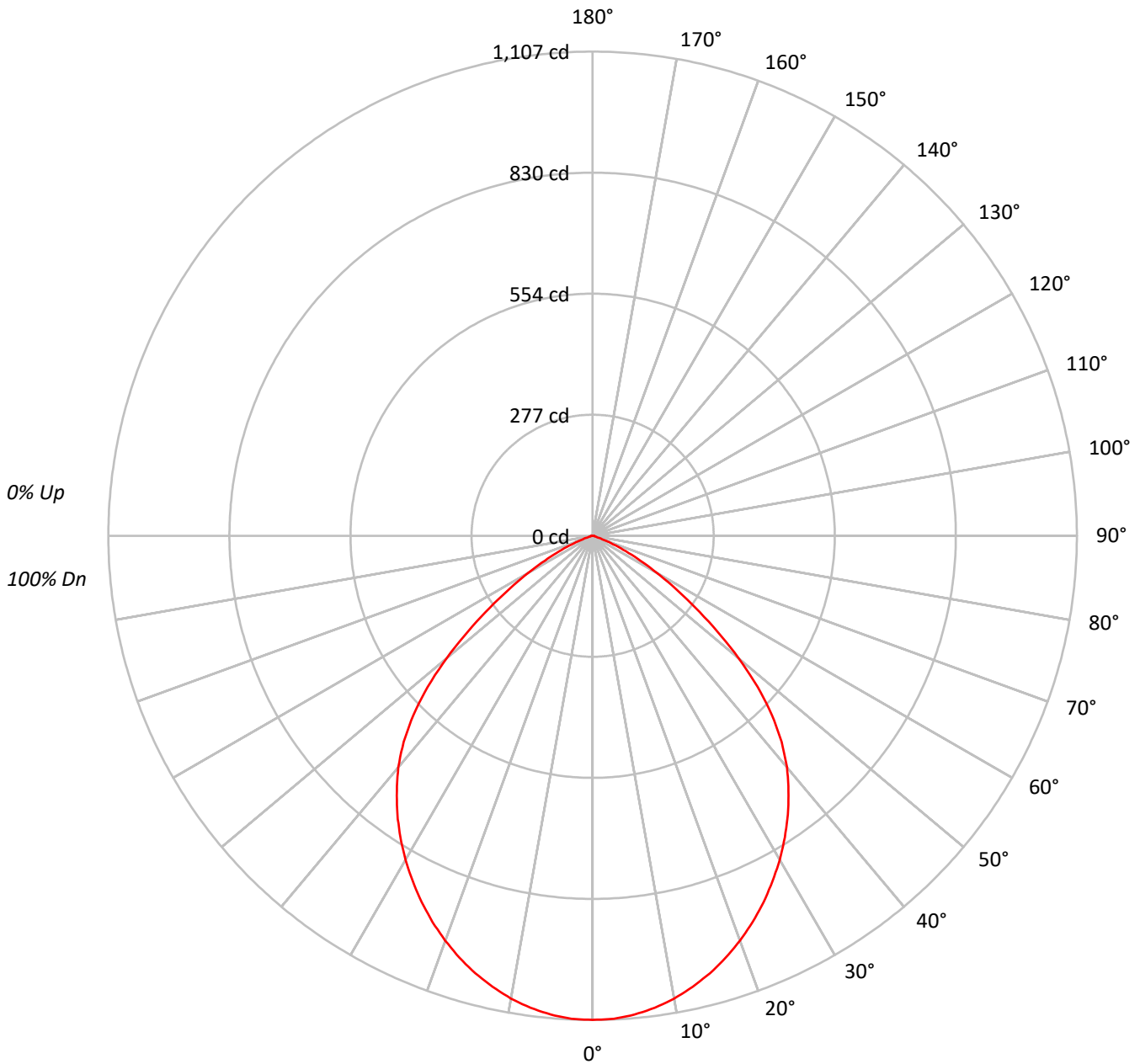
Lumens per Lamp: N/A
Luminaire Lumens: 2108.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135987
5°	135519
10°	134030
15°	131728
20°	128777
25°	125333
30°	121375
35°	116712
40°	110818
45°	100752
50°	83178
55°	61258
60°	41574
65°	24331
70°	9627
75°	2183
80°	2830
85°	4793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	4.9
10°-20°	291.6	13.8
20°-30°	425.4	20.2
30°-40°	485.5	23.0
40°-50°	441.4	20.9
50°-60°	260.3	12.4
60°-70°	87.3	4.1
70°-80°	9.2	0.4
80°-90°	3.2	0.1
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°	821.1	39.0
0°-40°	1306.6	62.0
0°-60°	2008.4	95.3
0°-90°	2108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2108.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1107	
5°	1099	104
15°	1036	292
25°	925	425
35°	778	486
45°	580	441
55°	286	260
65°	84	87
75°	5	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1106.9
2.5°	1105.2
5°	1098.9
7.5°	1088.6
10°	1074.4
12.5°	1056.2
15°	1035.7
17.5°	1011.7
20°	985.0
22.5°	955.9
25°	924.6
27.5°	890.4
30°	855.6
32.5°	817.5
35°	778.2
37.5°	735.4
40°	691.0
42.5°	639.2
45°	579.9
47.5°	511.6
50°	435.2
52.5°	358.9
55°	286.0
57.5°	223.9
60°	169.2
62.5°	122.5
65°	83.7
67.5°	51.3
70°	26.8
72.5°	10.3
75°	4.6
77.5°	4.6
80°	4.0
82.5°	3.4
85°	3.4
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)