

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: P839859

Luminaire Tested: **LDS4C25D010 EU4259030 4LBPSMMS**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839859
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: LDS4C25D010 EU4259030 4LBPSMMS
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

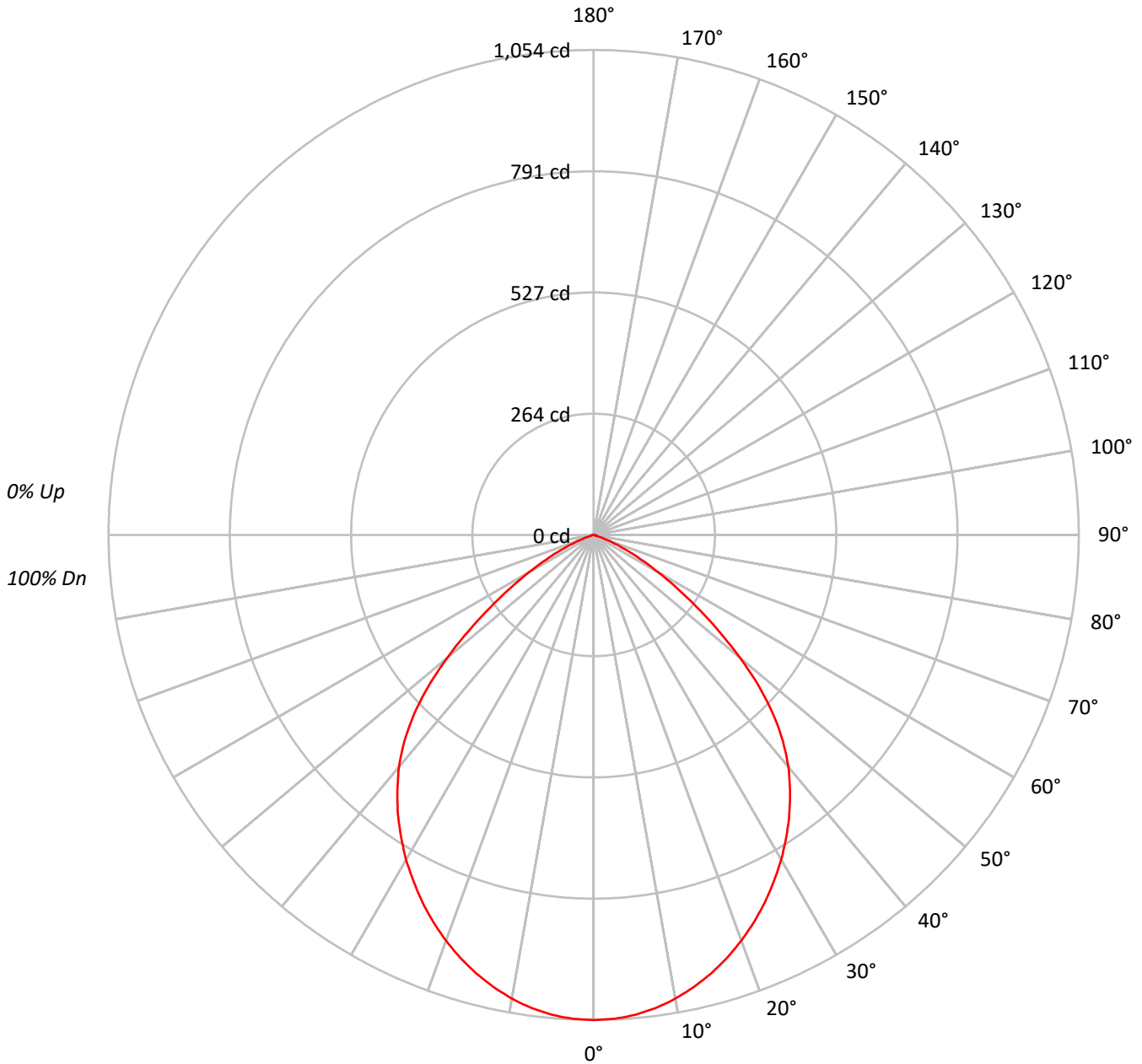
Lumens per Lamp: N/A
Luminaire Lumens: 2008.1 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129537
5°	129094
10°	127668
15°	125470
20°	122658
25°	119382
30°	115629
35°	111178
40°	105558
45°	95975
50°	79241
55°	58345
60°	39608
65°	23198
70°	9160
75°	2041
80°	2688
85°	4652



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	4.9
10°-20°	277.8	13.8
20°-30°	405.2	20.2
30°-40°	462.5	23.0
40°-50°	420.5	20.9
50°-60°	248.0	12.4
60°-70°	83.2	4.1
70°-80°	8.7	0.4
80°-90°	3.1	0.2
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°	782.2	39.0
0°-40°	1244.7	62.0
0°-60°	1913.2	95.3
0°-90°	2008.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1054	
5°	1047	99
15°	986	278
25°	881	405
35°	741	463
45°	552	420
55°	272	248
65°	80	83
75°	4	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1054.4
2.5°	1052.7
5°	1046.8
7.5°	1037.0
10°	1023.4
12.5°	1006.1
15°	986.5
17.5°	963.7
20°	938.2
22.5°	910.6
25°	880.7
27.5°	848.2
30°	815.1
32.5°	778.7
35°	741.3
37.5°	700.6
40°	658.2
42.5°	608.9
45°	552.4
47.5°	487.3
50°	414.6
52.5°	341.9
55°	272.4
57.5°	213.3
60°	161.2
62.5°	116.7
65°	79.8
67.5°	48.8
70°	25.5
72.5°	9.8
75°	4.3
77.5°	4.3
80°	3.8
82.5°	3.3
85°	3.3
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)