

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: P839919

Luminaire Tested: **LDS4C30D010 EU4309035 4LBPSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839919
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 EU4309035 4LBPSMMS
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

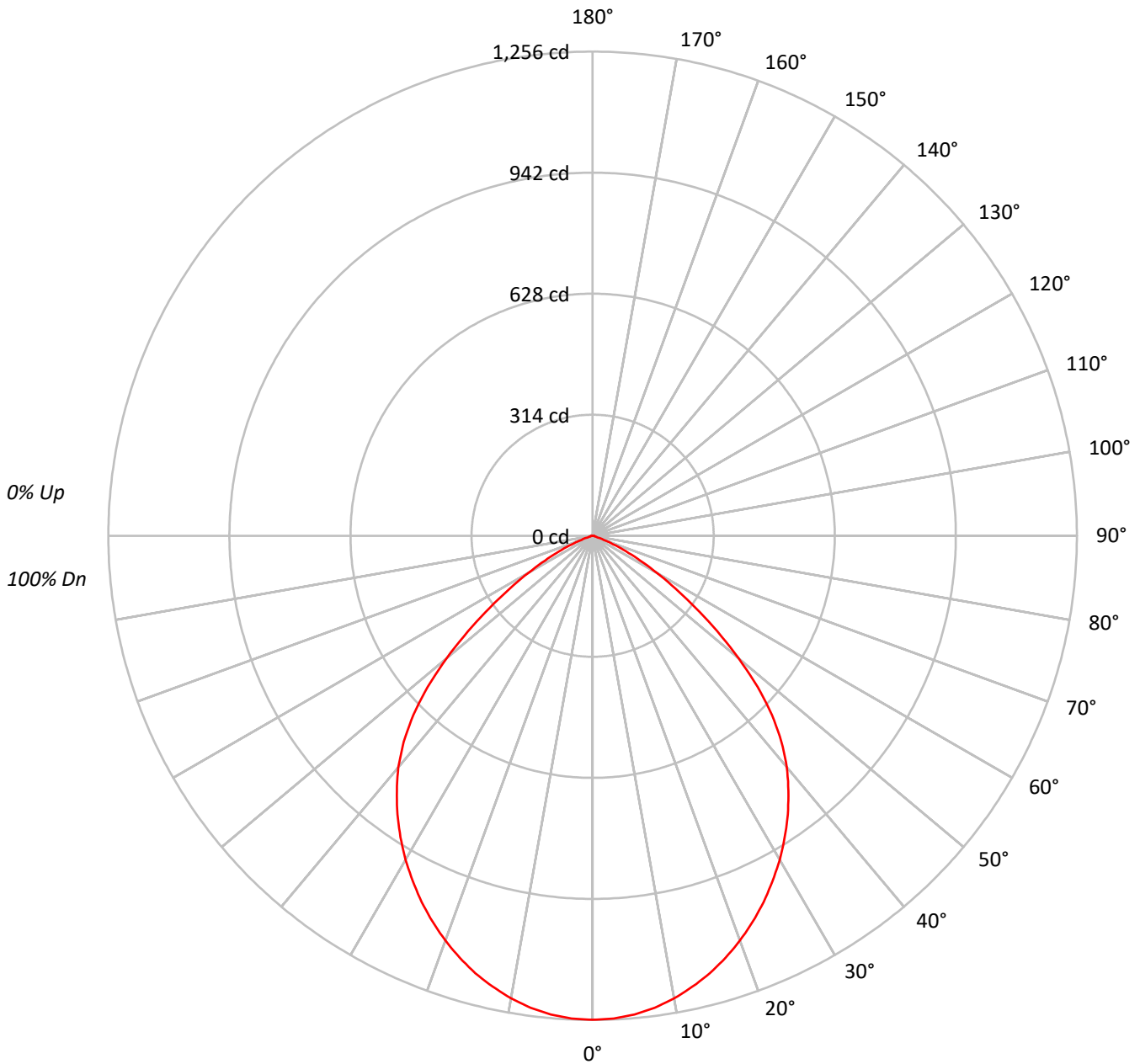
Lumens per Lamp: N/A
Luminaire Lumens: 2391.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			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°	154243
5°	153709
10°	152019
15°	149407
20°	146060
25°	142155
30°	137674
35°	132369
40°	125701
45°	114287
50°	94359
55°	69483
60°	47151
65°	27616
70°	10920
75°	2468
80°	3184
85°	5497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	4.9
10°-20°	330.8	13.8
20°-30°	482.5	20.2
30°-40°	550.7	23.0
40°-50°	500.7	20.9
50°-60°	295.3	12.4
60°-70°	99.0	4.1
70°-80°	10.4	0.4
80°-90°	3.6	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°	931.3	39.0
0°-40°	1482.1	62.0
0°-60°	2278.0	95.3
0°-90°	2391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1256	
5°	1246	118
15°	1175	331
25°	1049	482
35°	883	551
45°	658	501
55°	324	295
65°	95	99
75°	5	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1255.5
2.5°	1253.5
5°	1246.4
7.5°	1234.8
10°	1218.6
12.5°	1198.0
15°	1174.7
17.5°	1147.6
20°	1117.2
22.5°	1084.2
25°	1048.7
27.5°	1009.9
30°	970.5
32.5°	927.2
35°	882.6
37.5°	834.2
40°	783.8
42.5°	725.0
45°	657.8
47.5°	580.2
50°	493.7
52.5°	407.1
55°	324.4
57.5°	253.9
60°	191.9
62.5°	138.9
65°	95.0
67.5°	58.2
70°	30.4
72.5°	11.6
75°	5.2
77.5°	5.2
80°	4.5
82.5°	3.9
85°	3.9
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)