

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: P839967

Luminaire Tested: **LDS4C35D010 EU4359035 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839967
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: LDS4C35D010 EU4359035 4LBCSMMS
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

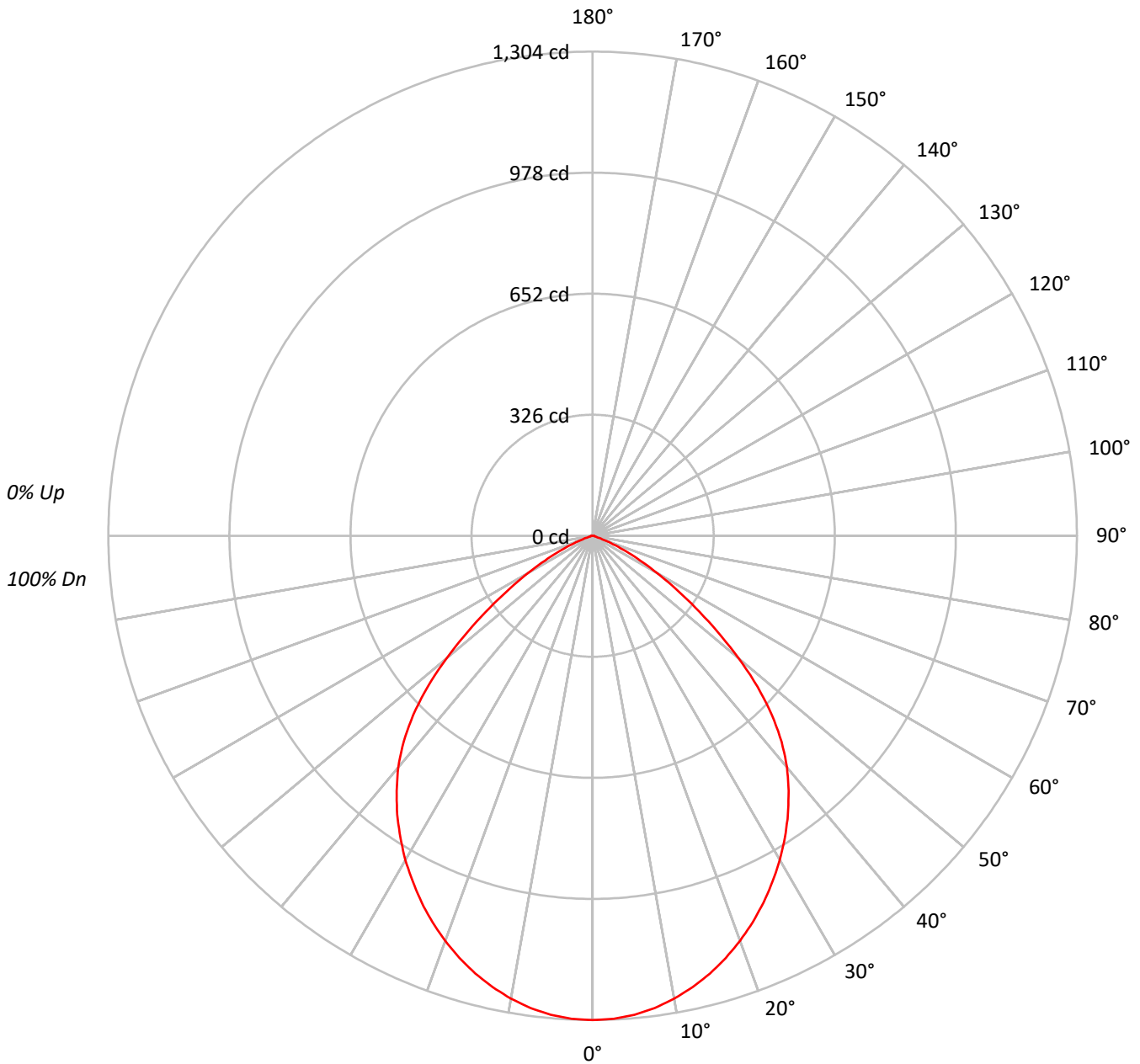
Lumens per Lamp: N/A
Luminaire Lumens: 2484.1 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	160238
5°	159691
10°	157932
15°	155219
20°	151734
25°	147686
30°	143036
35°	137528
40°	130592
45°	118735
50°	98029
55°	72182
60°	48994
65°	28692
70°	11351
75°	2563
80°	3325
85°	5638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	4.9
10°-20°	343.6	13.8
20°-30°	501.2	20.2
30°-40°	572.1	23.0
40°-50°	520.2	20.9
50°-60°	306.8	12.3
60°-70°	102.9	4.1
70°-80°	10.8	0.4
80°-90°	3.7	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°	967.6	39.0
0°-40°	1539.7	62.0
0°-60°	2366.6	95.3
0°-90°	2484.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2484.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1304	
5°	1295	123
15°	1220	344
25°	1090	501
35°	917	572
45°	683	520
55°	337	307
65°	99	103
75°	5	11
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1304.3
2.5°	1302.3
5°	1294.9
7.5°	1282.8
10°	1266.0
12.5°	1244.6
15°	1220.4
17.5°	1192.2
20°	1160.6
22.5°	1126.4
25°	1089.5
27.5°	1049.2
30°	1008.3
32.5°	963.3
35°	917.0
37.5°	866.6
40°	814.3
42.5°	753.2
45°	683.4
47.5°	602.8
50°	512.9
52.5°	422.9
55°	337.0
57.5°	263.8
60°	199.4
62.5°	144.3
65°	98.7
67.5°	60.4
70°	31.6
72.5°	12.1
75°	5.4
77.5°	5.4
80°	4.7
82.5°	4.0
85°	4.0
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)