

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: P840363

Luminaire Tested: **LDS4C35D010 EU4359035 4LBPSSQMMS**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P840363
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 4LBPSSQMMS
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

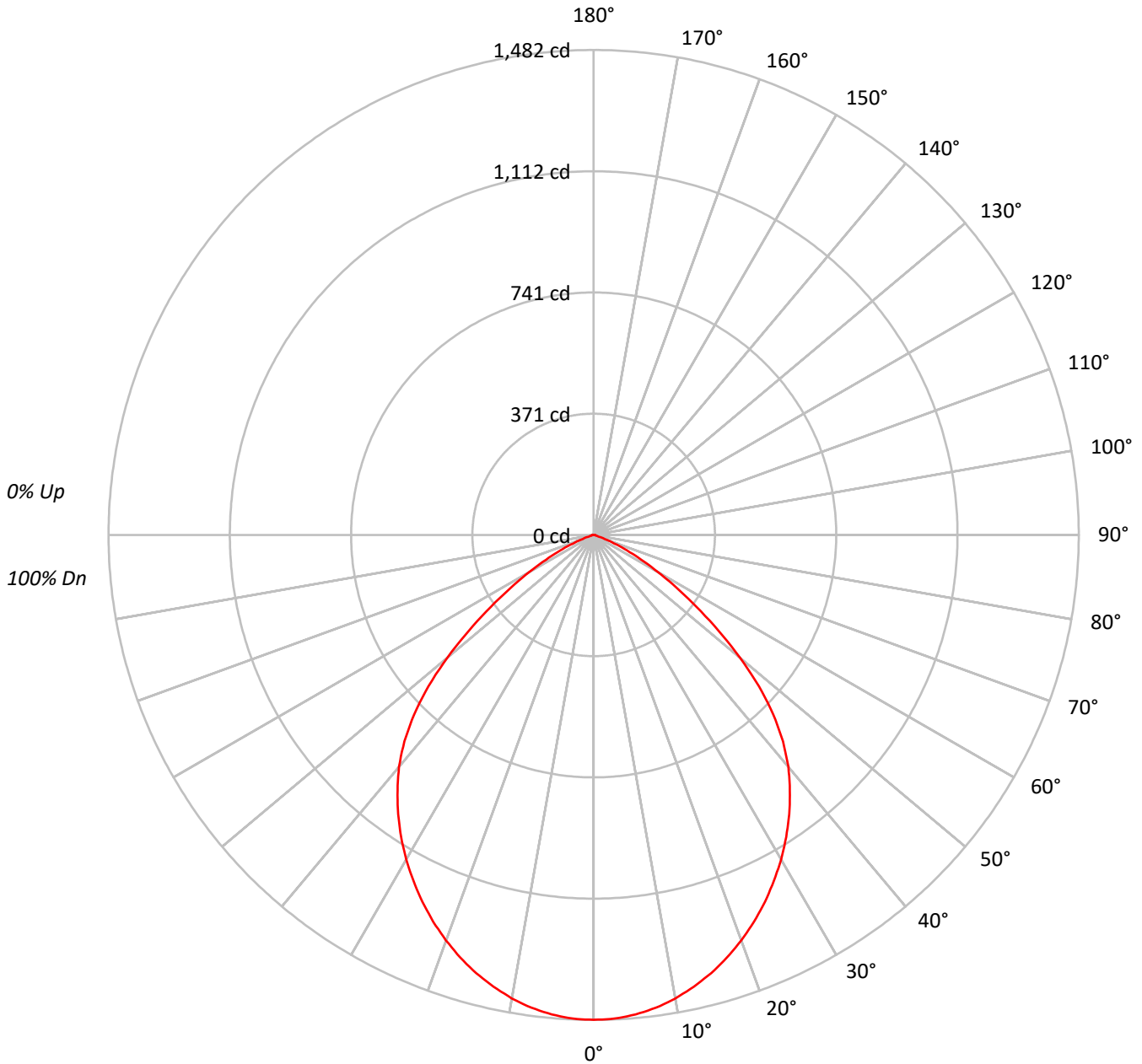
Lumens per Lamp: N/A
Luminaire Lumens: 2822.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
Input Current (Ain): 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				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°	142977
5°	142487
10°	140921
15°	138501
20°	135396
25°	131770
30°	127627
35°	122703
40°	116523
45°	105944
50°	87454
55°	64396
60°	43709
65°	25594
70°	10100
75°	2274
80°	2945
85°	5093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	4.9
10°-20°	390.4	13.8
20°-30°	569.4	20.2
30°-40°	650.0	23.0
40°-50°	590.9	20.9
50°-60°	348.5	12.3
60°-70°	116.9	4.1
70°-80°	12.2	0.4
80°-90°	4.3	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°	1099.2	39.0
0°-40°	1749.2	62.0
0°-60°	2688.7	95.3
0°-90°	2822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1482	
5°	1471	139
15°	1386	390
25°	1238	569
35°	1042	650
45°	776	591
55°	383	349
65°	112	117
75°	6	12
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1481.8
2.5°	1479.5
5°	1471.1
7.5°	1457.4
10°	1438.3
12.5°	1413.9
15°	1386.5
17.5°	1354.4
20°	1318.6
22.5°	1279.7
25°	1237.7
27.5°	1192.0
30°	1145.5
32.5°	1094.4
35°	1041.7
37.5°	984.5
40°	925.1
42.5°	855.7
45°	776.4
47.5°	684.8
50°	582.6
52.5°	480.5
55°	382.8
57.5°	299.7
60°	226.5
62.5°	164.0
65°	112.1
67.5°	68.6
70°	35.8
72.5°	13.7
75°	6.1
77.5°	6.1
80°	5.3
82.5°	4.6
85°	4.6
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)