

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: P840358

Luminaire Tested: **LDS4C35D010 EU4359027 4LBPSSQMB**

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: P840358
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 EU4359027 4LBPSSQMB
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

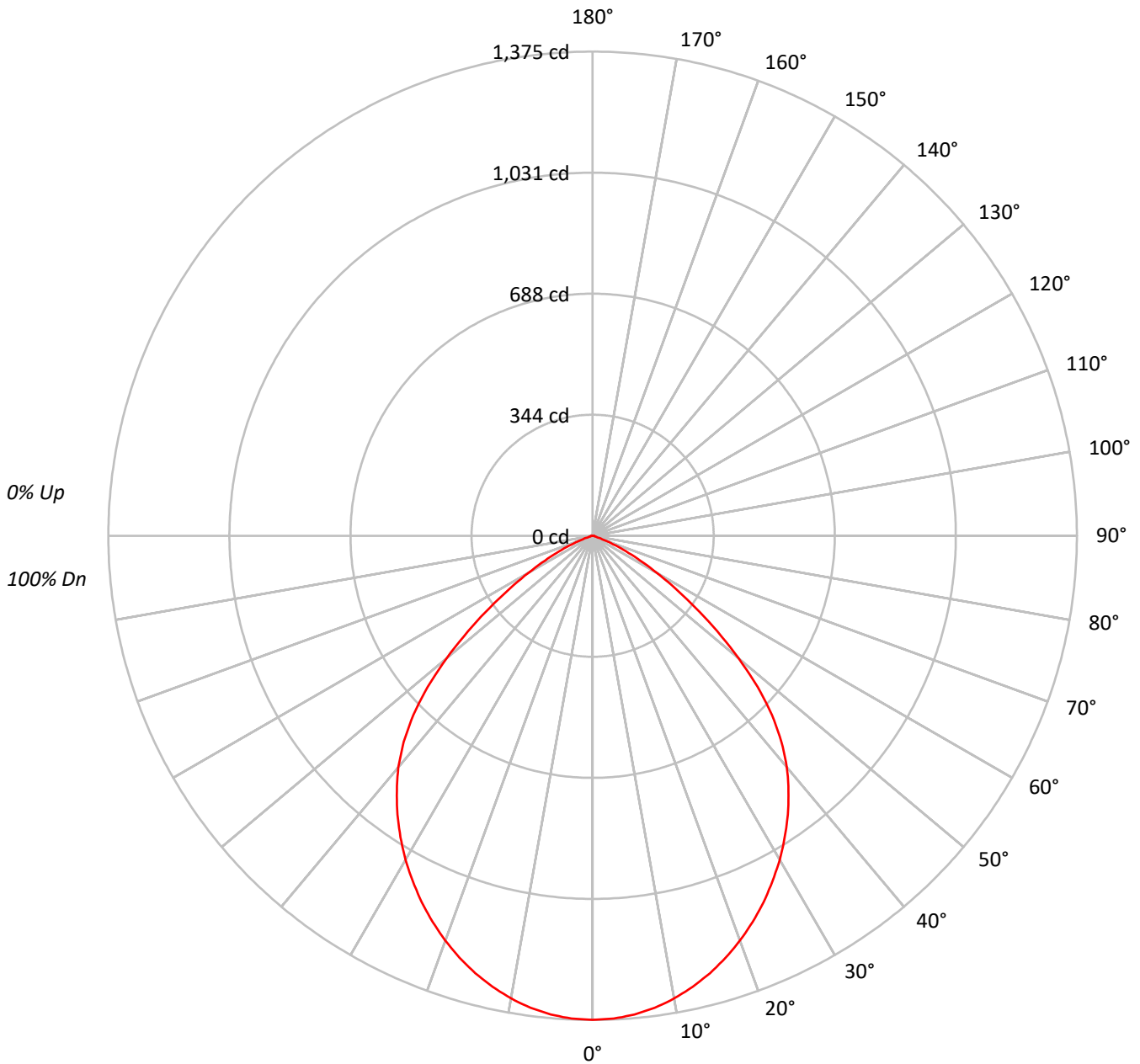
Lumens per Lamp: N/A
Luminaire Lumens: 2618.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
Input Current (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°	132643
5°	132191
10°	130731
15°	128482
20°	125610
25°	122252
30°	118402
35°	113833
40°	108097
45°	98276
50°	81134
55°	59753
60°	40545
65°	23744
70°	9394
75°	2125
80°	2778
85°	4650



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	4.9
10°-20°	362.2	13.8
20°-30°	528.3	20.2
30°-40°	603.0	23.0
40°-50°	548.2	20.9
50°-60°	323.3	12.3
60°-70°	108.4	4.1
70°-80°	11.3	0.4
80°-90°	3.9	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°	1019.8	39.0
0°-40°	1622.8	62.0
0°-60°	2494.3	95.3
0°-90°	2618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2618.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1375	
5°	1365	129
15°	1286	362
25°	1148	528
35°	966	603
45°	720	548
55°	355	323
65°	104	108
75°	6	11
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1374.7
2.5°	1372.5
5°	1364.8
7.5°	1352.0
10°	1334.3
12.5°	1311.7
15°	1286.2
17.5°	1256.5
20°	1223.3
22.5°	1187.2
25°	1148.3
27.5°	1105.8
30°	1062.7
32.5°	1015.3
35°	966.4
37.5°	913.4
40°	858.2
42.5°	793.8
45°	720.2
47.5°	635.3
50°	540.5
52.5°	445.7
55°	355.2
57.5°	278.0
60°	210.1
62.5°	152.1
65°	104.0
67.5°	63.7
70°	33.3
72.5°	12.7
75°	5.7
77.5°	5.7
80°	5.0
82.5°	4.2
85°	4.2
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)