

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: P839997

Luminaire Tested: **LDS4C40D010 EU4409027 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839997
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: LDS4C40D010 EU4409027 4LBCSMMS
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

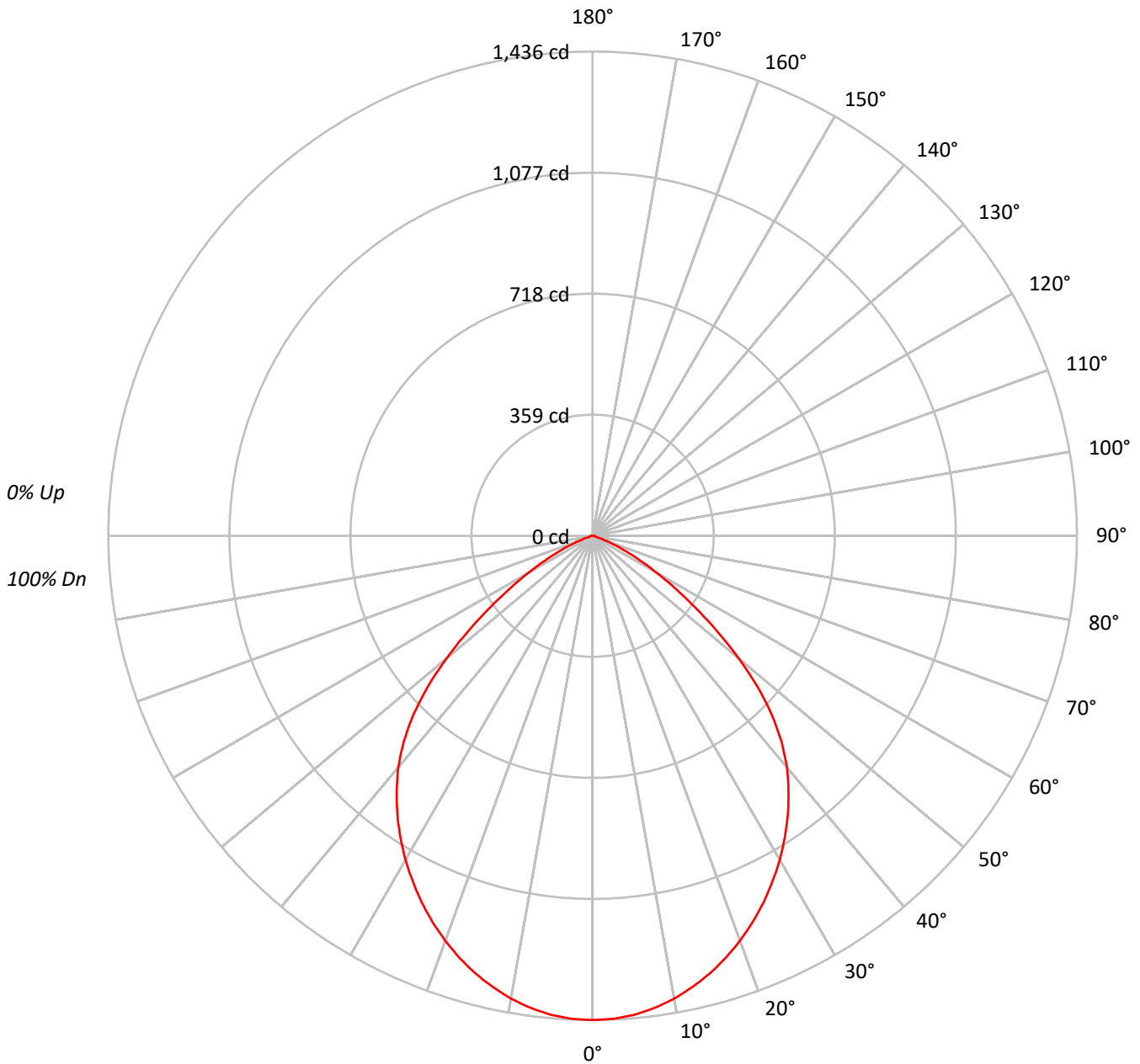
Lumens per Lamp: N/A
Luminaire Lumens: 2734.9 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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

TEST NUMBER: P839997

CATALOG NUMBER: LDS4C40D010 EU4409027 4LBCSMMS

Luminous Intensity Polar Plot





TEST NUMBER: P839997

CATALOG NUMBER: LDS4C40D010 EU4409027 4LBCSMMS

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	66	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°	176430
5°	175834
10°	173900
15°	170902
20°	167070
25°	162610
30°	157478
35°	151416
40°	143775
45°	130723
50°	107929
55°	79464
60°	53933
65°	31570
70°	12464
75°	2801
80°	3679
85°	6202



TEST NUMBER: P839997

CATALOG NUMBER: LDS4C40D010 EU4409027 4LBCSMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	4.9
10°-20°	378.4	13.8
20°-30°	551.9	20.2
30°-40°	629.9	23.0
40°-50°	572.7	20.9
50°-60°	337.8	12.4
60°-70°	113.3	4.1
70°-80°	11.8	0.4
80°-90°	4.1	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°	1065.3	39.0
0°-40°	1695.3	62.0
0°-60°	2605.7	95.3
0°-90°	2734.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2734.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1436	
5°	1426	135
15°	1344	378
25°	1200	552
35°	1010	630
45°	752	573
55°	371	338
65°	109	113
75°	6	12
85°	4	4
90°	0	



TEST NUMBER: P839997

CATALOG NUMBER: LDS4C40D010 EU4409027 4LBCSMMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1436.1
2.5°	1433.9
5°	1425.8
7.5°	1412.4
10°	1394.0
12.5°	1370.3
15°	1343.7
17.5°	1312.7
20°	1277.9
22.5°	1240.2
25°	1199.6
27.5°	1155.2
30°	1110.1
32.5°	1060.6
35°	1009.6
37.5°	954.2
40°	896.5
42.5°	829.3
45°	752.4
47.5°	663.7
50°	564.7
52.5°	465.6
55°	371.0
57.5°	290.5
60°	219.5
62.5°	158.9
65°	108.6
67.5°	66.5
70°	34.7
72.5°	13.3
75°	5.9
77.5°	5.9
80°	5.2
82.5°	4.4
85°	4.4
87.5°	3.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)