

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: P839976

Luminaire Tested: **LDS4C35D010 EU4359040 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839976
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 EU4359040 4LBCSMB
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

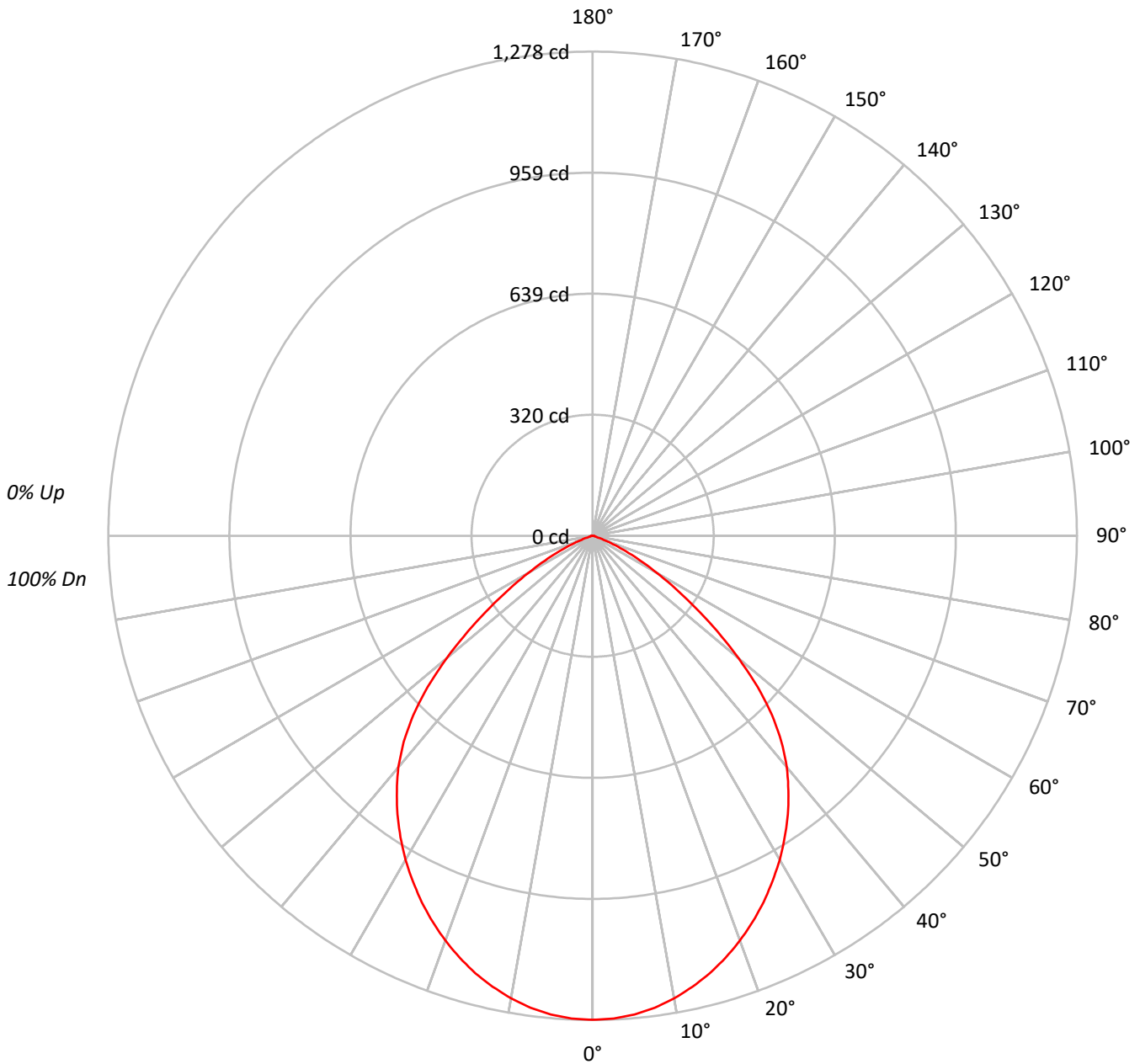
Lumens per Lamp: N/A
Luminaire Lumens: 2433.0 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P839976

CATALOG NUMBER: LDS4C35D010 EU4359040 4LBCSMB

Luminous Intensity Polar Plot





TEST NUMBER: P839976

CATALOG NUMBER: LDS4C35D010 EU4359040 4LBCSMB

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			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156945
5°	156410
10°	154688
15°	152027
20°	148623
25°	144649
30°	140100
35°	134694
40°	127898
45°	116285
50°	96003
55°	70704
60°	47987
65°	28110
70°	11099
75°	2516
80°	3254
85°	5497



TEST NUMBER: P839976

CATALOG NUMBER: LDS4C35D010 EU4359040 4LBCSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	4.9
10°-20°	336.6	13.8
20°-30°	491.0	20.2
30°-40°	560.4	23.0
40°-50°	509.4	20.9
50°-60°	300.5	12.4
60°-70°	100.8	4.1
70°-80°	10.5	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°	947.7	39.0
0°-40°	1508.1	62.0
0°-60°	2318.0	95.3
0°-90°	2433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2433.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1278	
5°	1268	120
15°	1195	337
25°	1067	491
35°	898	560
45°	669	509
55°	330	300
65°	97	101
75°	5	11
85°	4	4
90°	0	



TEST NUMBER: P839976

CATALOG NUMBER: LDS4C35D010 EU4359040 4LBCSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1277.5
2.5°	1275.6
5°	1268.3
7.5°	1256.5
10°	1240.0
12.5°	1219.0
15°	1195.3
17.5°	1167.7
20°	1136.8
22.5°	1103.3
25°	1067.1
27.5°	1027.7
30°	987.6
32.5°	943.5
35°	898.1
37.5°	848.8
40°	797.5
42.5°	737.7
45°	669.3
47.5°	590.4
50°	502.3
52.5°	414.2
55°	330.1
57.5°	258.4
60°	195.3
62.5°	141.4
65°	96.7
67.5°	59.2
70°	30.9
72.5°	11.8
75°	5.3
77.5°	5.3
80°	4.6
82.5°	3.9
85°	3.9
87.5°	3.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)