

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: P839987

Luminaire Tested: **LDS4C35D010 EU4359050 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839987
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 EU4359050 4LBCSMMS
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

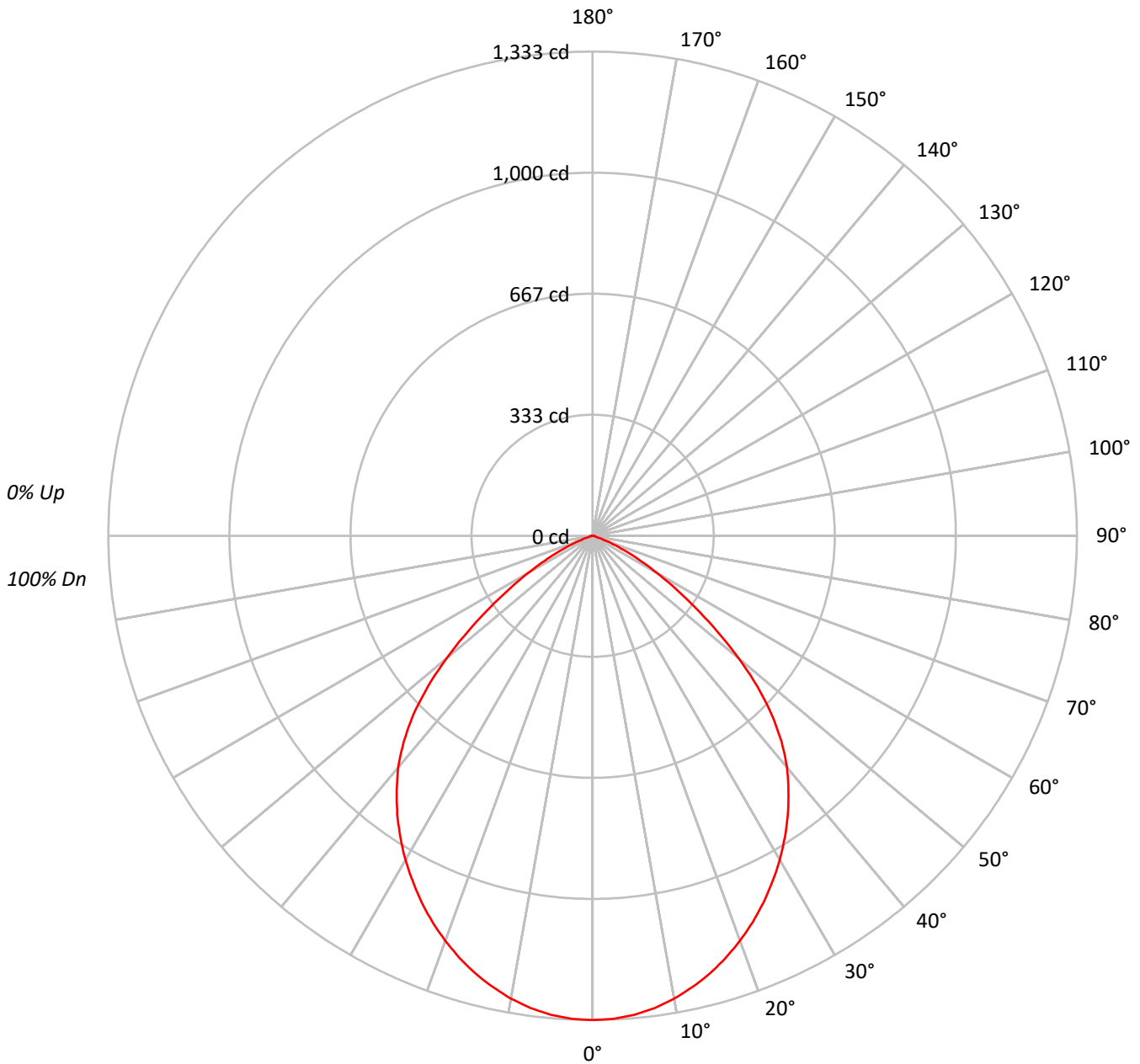
Lumens per Lamp: N/A
Luminaire Lumens: 2539.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839987

CATALOG NUMBER: LDS4C35D010 EU4359050 4LBCSMMS

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			
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°	163788
5°	163230
10°	161437
15°	158653
20°	155094
25°	150953
30°	146200
35°	140573
40°	133479
45°	121358
50°	100188
55°	73767
60°	50075
65°	29331
70°	11566
75°	2611
80°	3396
85°	5779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	4.9
10°-20°	351.2	13.8
20°-30°	512.3	20.2
30°-40°	584.8	23.0
40°-50°	531.7	20.9
50°-60°	313.6	12.4
60°-70°	105.2	4.1
70°-80°	11.0	0.4
80°-90°	3.8	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°	989.0	39.0
0°-40°	1573.8	62.0
0°-60°	2419.0	95.3
0°-90°	2539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2539.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1333	
5°	1324	125
15°	1247	351
25°	1114	512
35°	937	585
45°	698	532
55°	344	314
65°	101	105
75°	6	11
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1333.2
2.5°	1331.1
5°	1323.6
7.5°	1311.2
10°	1294.1
12.5°	1272.1
15°	1247.4
17.5°	1218.6
20°	1186.3
22.5°	1151.4
25°	1113.6
27.5°	1072.4
30°	1030.6
32.5°	984.6
35°	937.3
37.5°	885.8
40°	832.3
42.5°	769.9
45°	698.5
47.5°	616.2
50°	524.2
52.5°	432.3
55°	344.4
57.5°	269.7
60°	203.8
62.5°	147.5
65°	100.9
67.5°	61.8
70°	32.2
72.5°	12.4
75°	5.5
77.5°	5.5
80°	4.8
82.5°	4.1
85°	4.1
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)