

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: P839981

Luminaire Tested: **LDS4C35D010 EU4359040 4LBSGPH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839981
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 4LBSGPH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

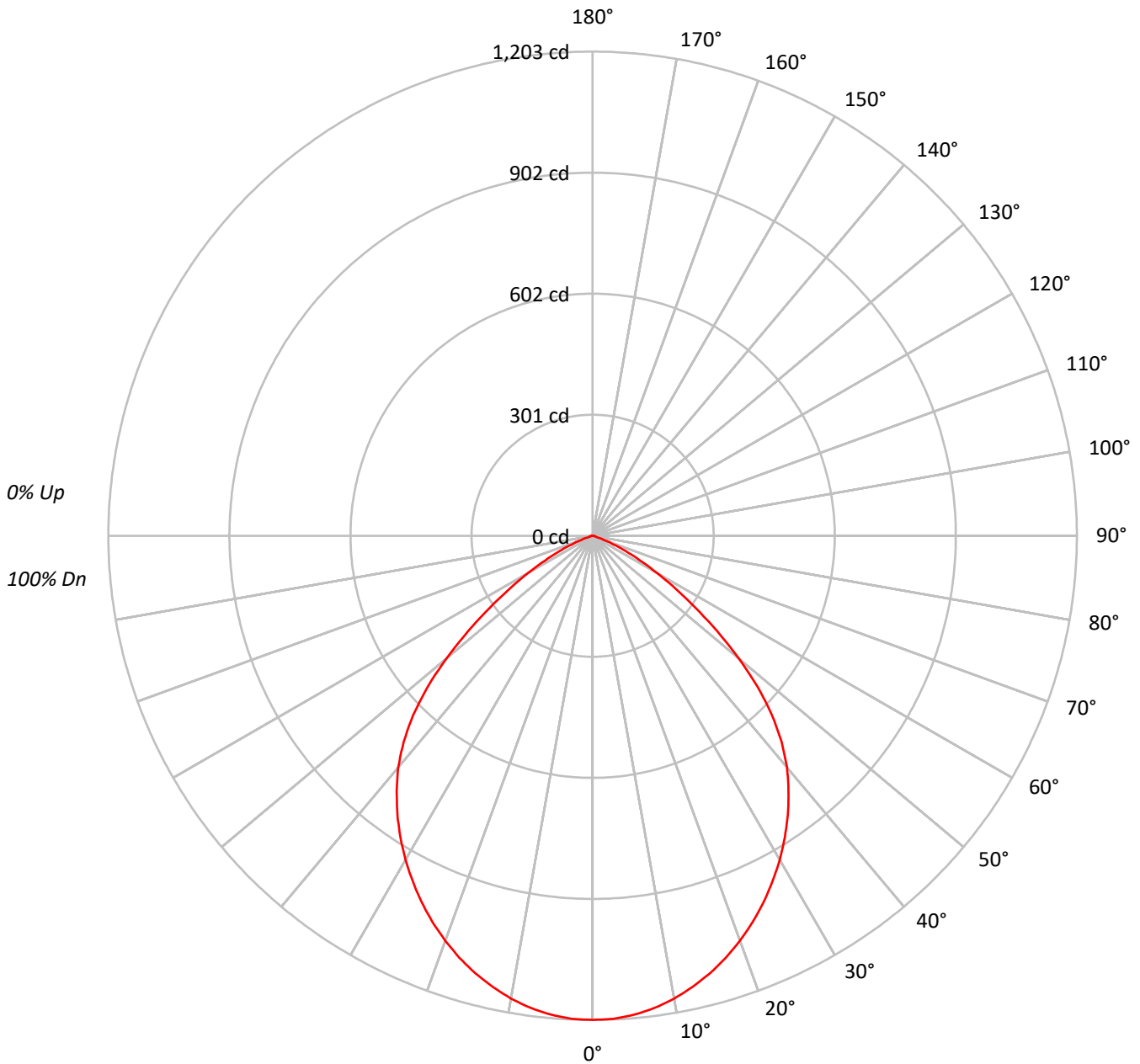
Lumens per Lamp: N/A
Luminaire Lumens: 2291.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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
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°	147793
5°	147284
10°	145669
15°	143162
20°	139955
25°	136204
30°	131915
35°	126835
40°	120441
45°	109509
50°	90403
55°	66570
60°	45186
65°	26453
70°	10453
75°	2373
80°	3042
85°	5215



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	4.9
10°-20°	316.9	13.8
20°-30°	462.3	20.2
30°-40°	527.7	23.0
40°-50°	479.7	20.9
50°-60°	282.9	12.3
60°-70°	94.9	4.1
70°-80°	9.9	0.4
80°-90°	3.4	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°	892.4	39.0
0°-40°	1420.1	62.0
0°-60°	2182.7	95.3
0°-90°	2291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1203	
5°	1194	113
15°	1126	317
25°	1005	462
35°	846	528
45°	630	480
55°	311	283
65°	91	95
75°	5	10
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1203.0
2.5°	1201.1
5°	1194.3
7.5°	1183.1
10°	1167.7
12.5°	1147.9
15°	1125.6
17.5°	1099.6
20°	1070.5
22.5°	1038.9
25°	1004.8
27.5°	967.7
30°	929.9
32.5°	888.4
35°	845.7
37.5°	799.3
40°	751.0
42.5°	694.7
45°	630.3
47.5°	556.0
50°	473.0
52.5°	390.0
55°	310.8
57.5°	243.3
60°	183.9
62.5°	133.1
65°	91.0
67.5°	55.7
70°	29.1
72.5°	11.1
75°	5.0
77.5°	5.0
80°	4.3
82.5°	3.7
85°	3.7
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)