

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: P839995

Luminaire Tested: **LDS4C35D010 EU4359050 4LBSWMH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C35D010 EU4359050 4LBSWMH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

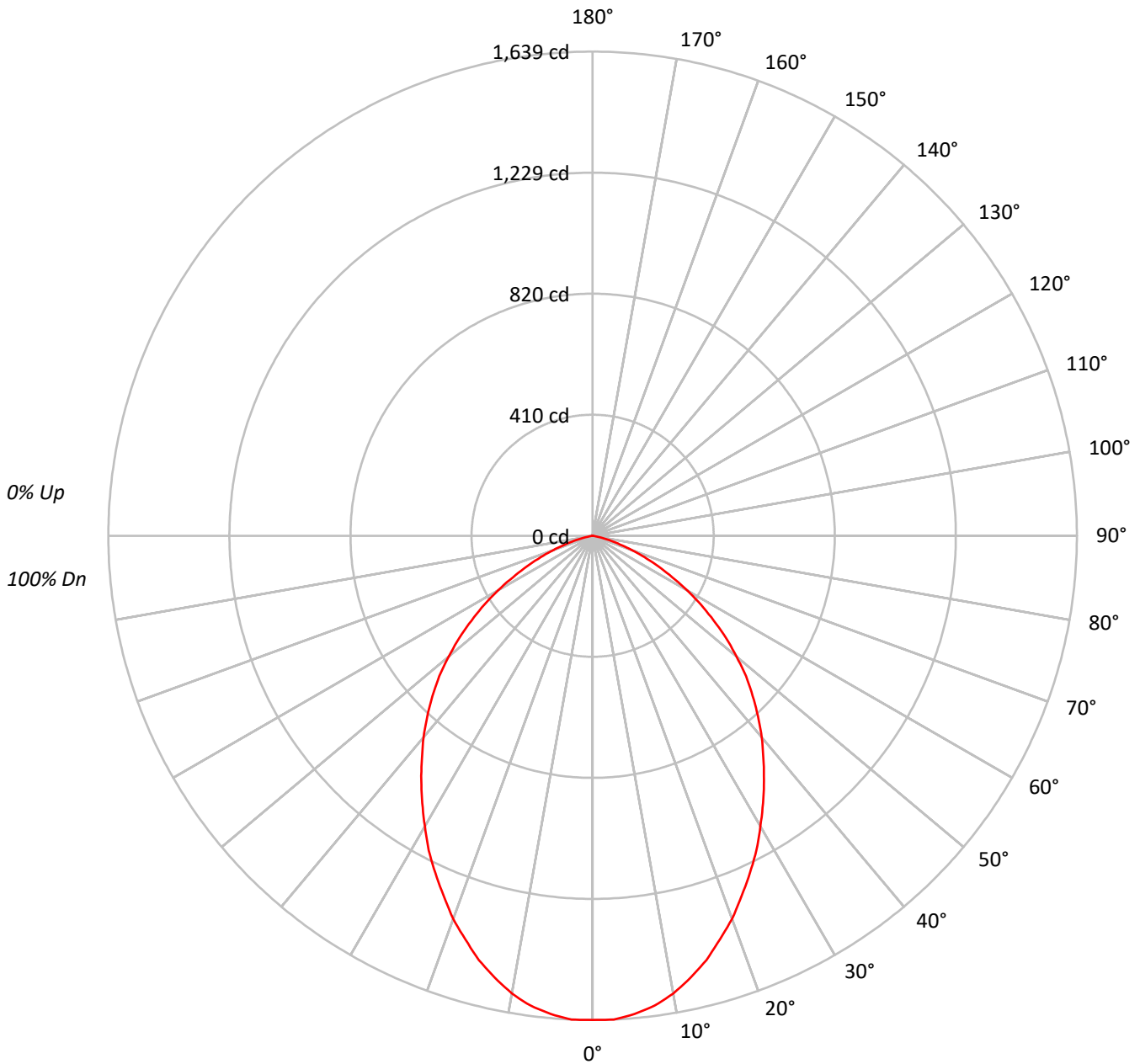
Lumens per Lamp: N/A
Luminaire Lumens: 3134.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	201369
5°	200436
10°	196292
15°	189166
20°	180458
25°	170730
30°	161052
35°	151626
40°	142765
45°	133086
50°	121365
55°	107180
60°	90715
65°	71221
70°	50827
75°	27863
80°	4882
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	4.9
10°-20°	417.3	13.3
20°-30°	579.5	18.5
30°-40°	632.4	20.2
40°-50°	589.9	18.8
50°-60°	447.8	14.3
60°-70°	245.2	7.8
70°-80°	67.5	2.2
80°-90°	0.9	0.0
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°	1150.4	36.7
0°-40°	1782.7	56.9
0°-60°	2820.4	90.0
0°-90°	3134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3134.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1639	
5°	1625	154
15°	1487	417
25°	1260	580
35°	1011	632
45°	766	590
55°	500	448
65°	245	245
75°	59	67
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1639.1
2.5°	1639.1
5°	1625.3
7.5°	1604.6
10°	1573.5
12.5°	1532.1
15°	1487.3
17.5°	1432.1
20°	1380.3
22.5°	1318.2
25°	1259.5
27.5°	1200.9
30°	1135.3
32.5°	1073.1
35°	1011.0
37.5°	948.9
40°	890.2
42.5°	828.1
45°	766.0
47.5°	703.9
50°	635.0
52.5°	569.3
55°	500.4
57.5°	434.8
60°	369.2
62.5°	303.7
65°	245.0
67.5°	189.8
70°	141.5
72.5°	96.6
75°	58.7
77.5°	27.6
80°	6.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)