

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: P839964

Luminaire Tested: **LDS4C35D010 EU4359030 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839964
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 EU4359030 4LBSWH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

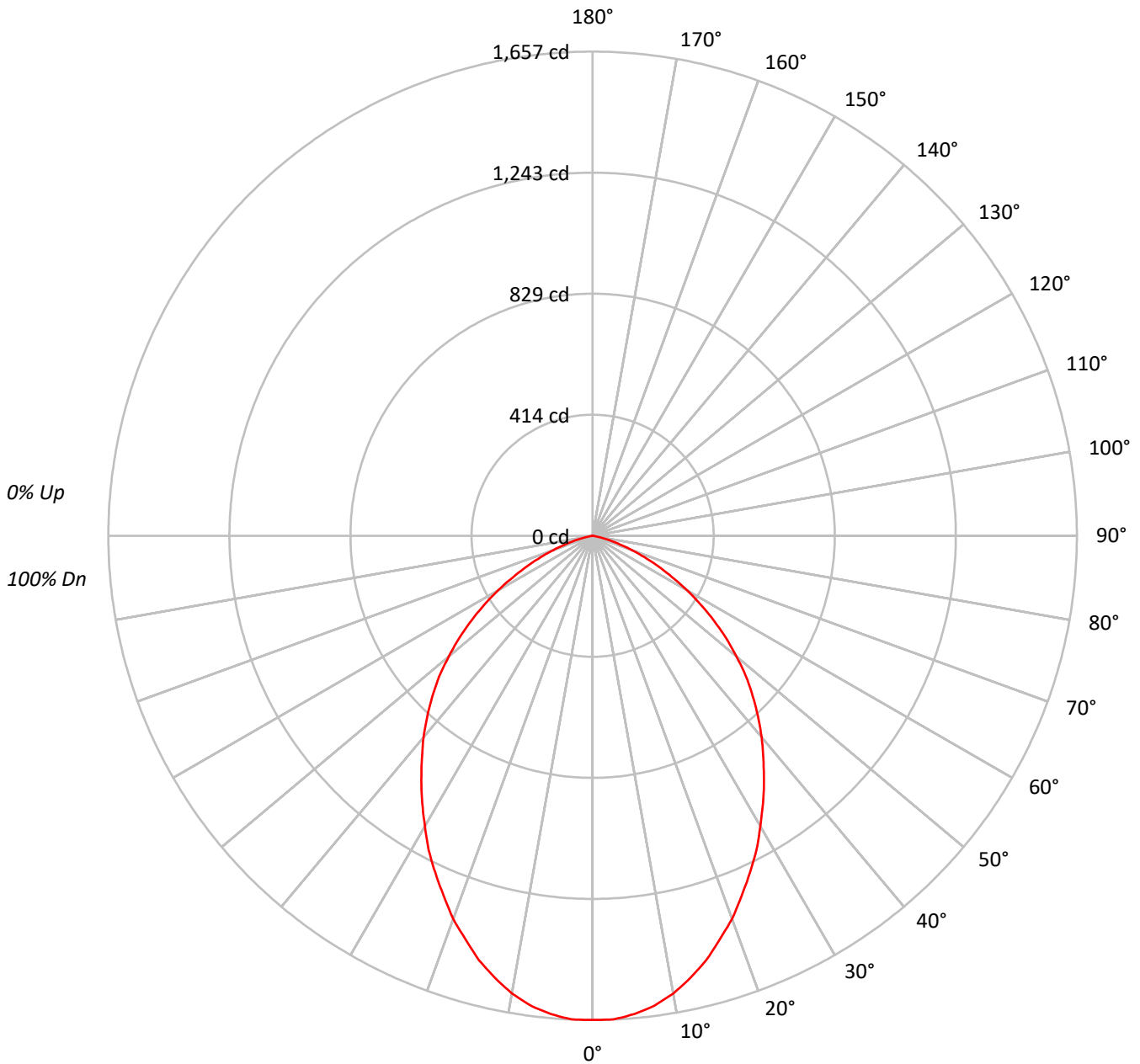
Lumens per Lamp: N/A
Luminaire Lumens: 3168.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	203544
5°	202607
10°	198425
15°	191213
20°	182406
25°	172574
30°	162797
35°	153276
40°	144320
45°	134528
50°	122665
55°	108337
60°	91698
65°	72005
70°	51401
75°	28148
80°	4952
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.2	4.9
10°-20°	421.8	13.3
20°-30°	585.8	18.5
30°-40°	639.2	20.2
40°-50°	596.3	18.8
50°-60°	452.6	14.3
60°-70°	247.9	7.8
70°-80°	68.2	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°	1162.8	36.7
0°-40°	1802.1	56.9
0°-60°	2851.0	90.0
0°-90°	3168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3168.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1657	
5°	1643	155
15°	1503	422
25°	1273	586
35°	1022	639
45°	774	596
55°	506	453
65°	248	248
75°	59	68
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1656.8
2.5°	1656.8
5°	1642.9
7.5°	1622.0
10°	1590.6
12.5°	1548.8
15°	1503.4
17.5°	1447.6
20°	1395.2
22.5°	1332.5
25°	1273.1
27.5°	1213.9
30°	1147.6
32.5°	1084.8
35°	1022.0
37.5°	959.2
40°	899.9
42.5°	837.1
45°	774.3
47.5°	711.6
50°	641.8
52.5°	575.5
55°	505.8
57.5°	439.5
60°	373.2
62.5°	307.0
65°	247.7
67.5°	191.8
70°	143.1
72.5°	97.7
75°	59.3
77.5°	27.9
80°	7.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)