

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: P839985

Luminaire Tested: **LDS4C35D010 EU4359040 4LBSWMH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839985
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 EU4359040 4LBSWMH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

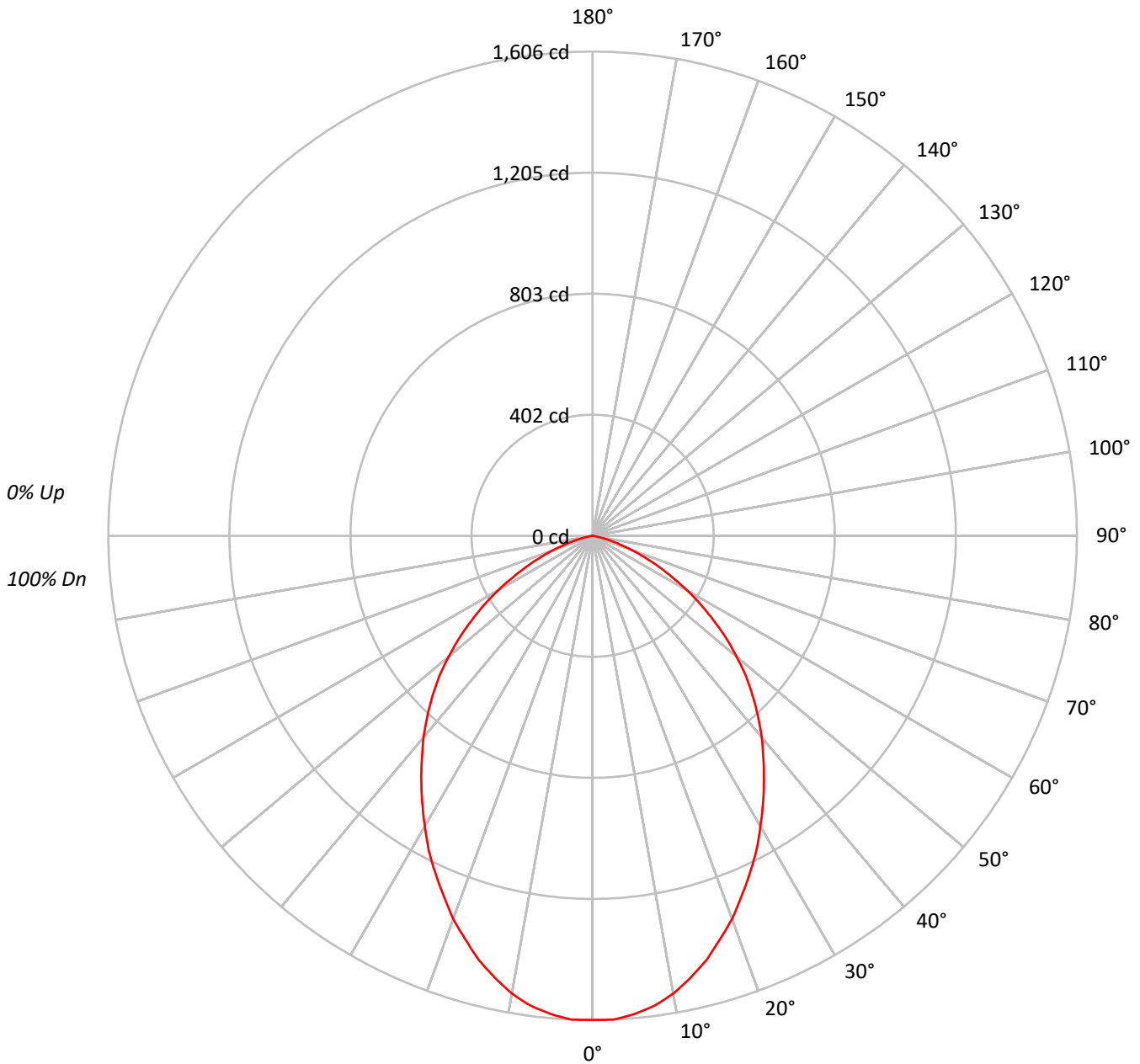
Lumens per Lamp: N/A
Luminaire Lumens: 3071.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	197315
5°	196404
10°	192350
15°	185363
20°	176823
25°	167301
30°	157804
35°	148582
40°	139910
45°	130410
50°	118919
55°	105017
60°	88897
65°	69796
70°	49821
75°	27293
80°	4811
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	4.9
10°-20°	408.9	13.3
20°-30°	567.9	18.5
30°-40°	619.7	20.2
40°-50°	578.1	18.8
50°-60°	438.8	14.3
60°-70°	240.3	7.8
70°-80°	66.1	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°	1127.2	36.7
0°-40°	1746.9	56.9
0°-60°	2763.7	90.0
0°-90°	3071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3071.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1606	
5°	1593	150
15°	1457	409
25°	1234	568
35°	991	620
45°	751	578
55°	490	439
65°	240	240
75°	58	66
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1606.1
2.5°	1606.1
5°	1592.6
7.5°	1572.4
10°	1541.9
12.5°	1501.3
15°	1457.4
17.5°	1403.3
20°	1352.5
22.5°	1291.7
25°	1234.2
27.5°	1176.7
30°	1112.4
32.5°	1051.6
35°	990.7
37.5°	929.9
40°	872.4
42.5°	811.5
45°	750.6
47.5°	689.8
50°	622.2
52.5°	557.9
55°	490.3
57.5°	426.0
60°	361.8
62.5°	297.6
65°	240.1
67.5°	185.9
70°	138.7
72.5°	94.7
75°	57.5
77.5°	27.0
80°	6.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)