

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: P840024

Luminaire Tested: **LDS4C40D010 EU4409035 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P840024
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: LDS4C40D010 EU4409035 4LBSWH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

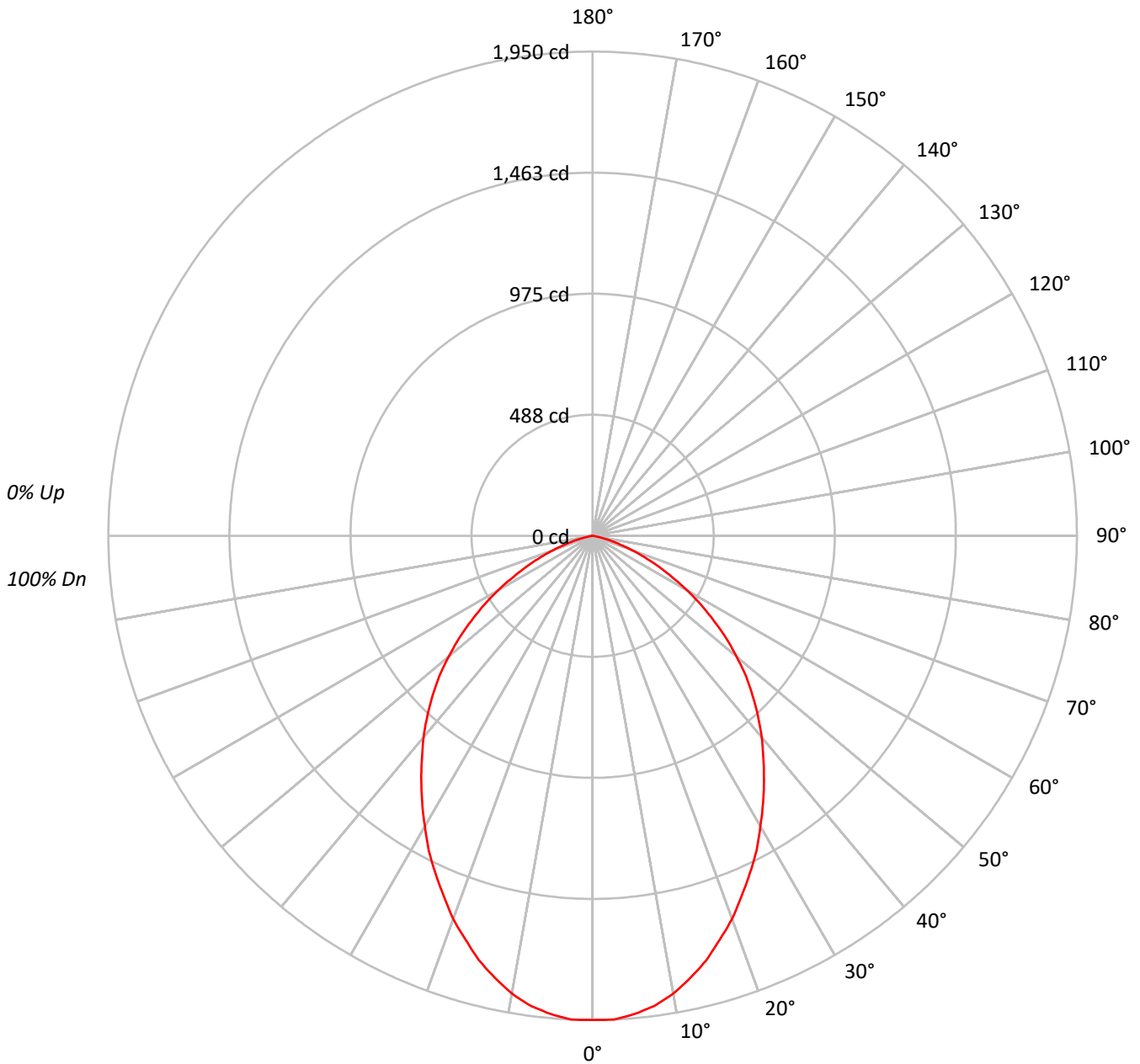
Lumens per Lamp: N/A
Luminaire Lumens: 3729.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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: P840024

CATALOG NUMBER: LDS4C40D010 EU4409035 4LBSWH

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°	239589
5°	238482
10°	233567
15°	225071
20°	214711
25°	203141
30°	191623
35°	180422
40°	169884
45°	158365
50°	144396
55°	127528
60°	107939
65°	84738
70°	60489
75°	33132
80°	5872
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	4.9
10°-20°	496.5	13.3
20°-30°	689.5	18.5
30°-40°	752.5	20.2
40°-50°	701.9	18.8
50°-60°	532.8	14.3
60°-70°	291.7	7.8
70°-80°	80.3	2.2
80°-90°	1.1	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°	1368.7	36.7
0°-40°	2121.2	56.9
0°-60°	3355.9	90.0
0°-90°	3729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3729.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1950	
5°	1934	183
15°	1770	497
25°	1499	690
35°	1203	752
45°	912	702
55°	595	533
65°	292	292
75°	70	80
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1950.2
2.5°	1950.2
5°	1933.8
7.5°	1909.3
10°	1872.3
12.5°	1823.0
15°	1769.6
17.5°	1704.0
20°	1642.3
22.5°	1568.4
25°	1498.6
27.5°	1428.9
30°	1350.8
32.5°	1276.9
35°	1203.0
37.5°	1129.1
40°	1059.3
42.5°	985.4
45°	911.5
47.5°	837.6
50°	755.5
52.5°	677.4
55°	595.4
57.5°	517.3
60°	439.3
62.5°	361.3
65°	291.5
67.5°	225.8
70°	168.4
72.5°	115.0
75°	69.8
77.5°	32.8
80°	8.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)