

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: P840044

Luminaire Tested: **LDS4C40D010 EU4409050 4LBSWH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P840044
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 EU4409050 4LBSWH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

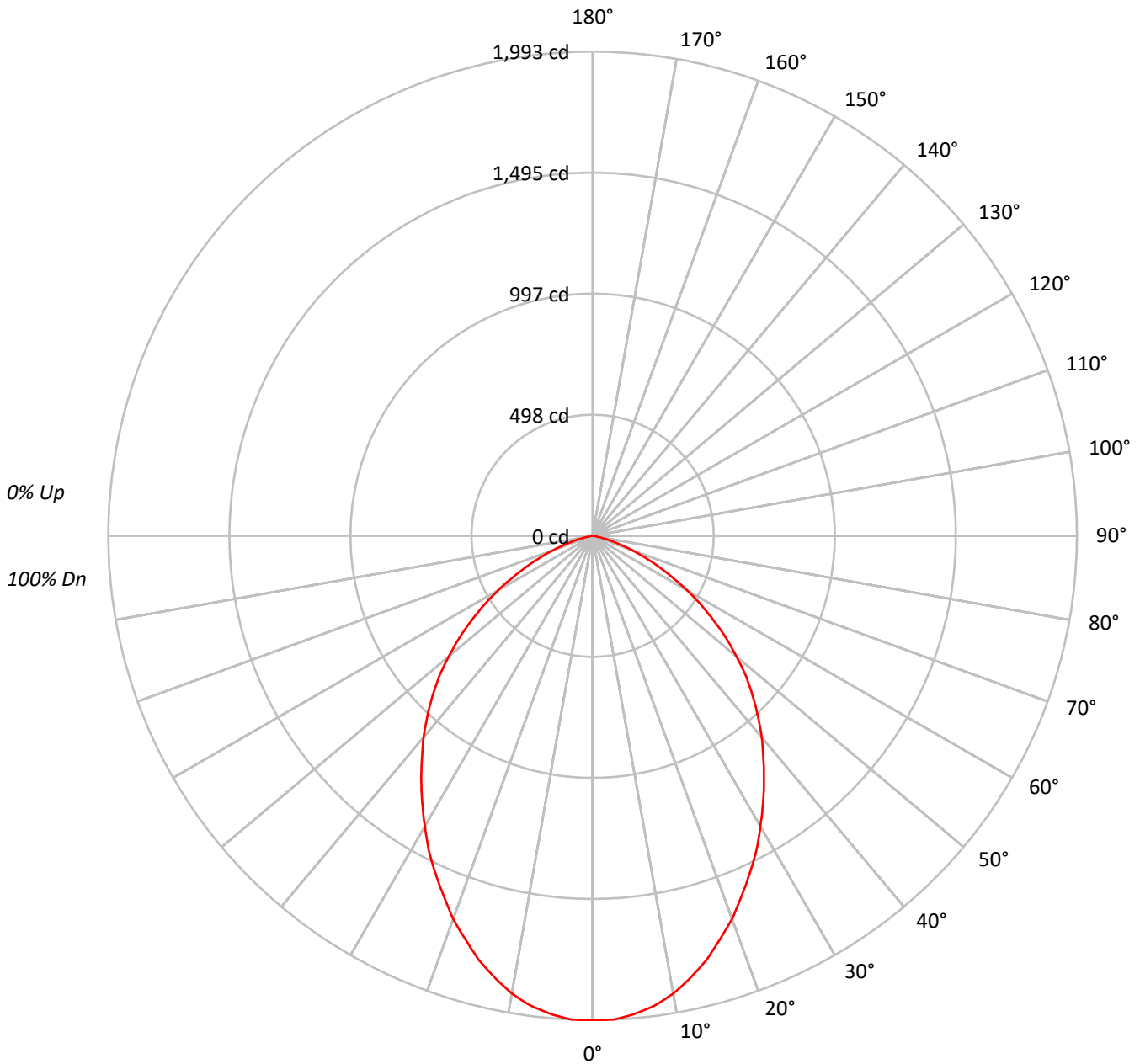
Lumens per Lamp: N/A
Luminaire Lumens: 3811.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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°	244859
5°	243735
10°	238694
15°	230018
20°	219431
25°	207601
30°	195836
35°	184381
40°	173621
45°	161840
50°	147568
55°	130334
60°	110322
65°	86598
70°	61818
75°	33891
80°	5943
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	4.9
10°-20°	507.4	13.3
20°-30°	704.7	18.5
30°-40°	769.0	20.2
40°-50°	717.3	18.8
50°-60°	544.5	14.3
60°-70°	298.1	7.8
70°-80°	82.0	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°	1398.8	36.7
0°-40°	2167.8	56.9
0°-60°	3429.7	90.0
0°-90°	3811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3811.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1993	
5°	1976	187
15°	1808	507
25°	1532	705
35°	1229	769
45°	932	717
55°	608	544
65°	298	298
75°	71	82
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1993.1
2.5°	1993.1
5°	1976.4
7.5°	1951.2
10°	1913.4
12.5°	1863.1
15°	1808.5
17.5°	1741.4
20°	1678.4
22.5°	1602.9
25°	1531.5
27.5°	1460.3
30°	1380.5
32.5°	1305.0
35°	1229.4
37.5°	1153.9
40°	1082.6
42.5°	1007.0
45°	931.5
47.5°	856.0
50°	772.1
52.5°	692.3
55°	608.5
57.5°	528.7
60°	449.0
62.5°	369.3
65°	297.9
67.5°	230.7
70°	172.1
72.5°	117.5
75°	71.4
77.5°	33.5
80°	8.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)