

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: P#

Luminaire Tested: **LD4C40D010 EX4C409035 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EX4C409035 4LBSQH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

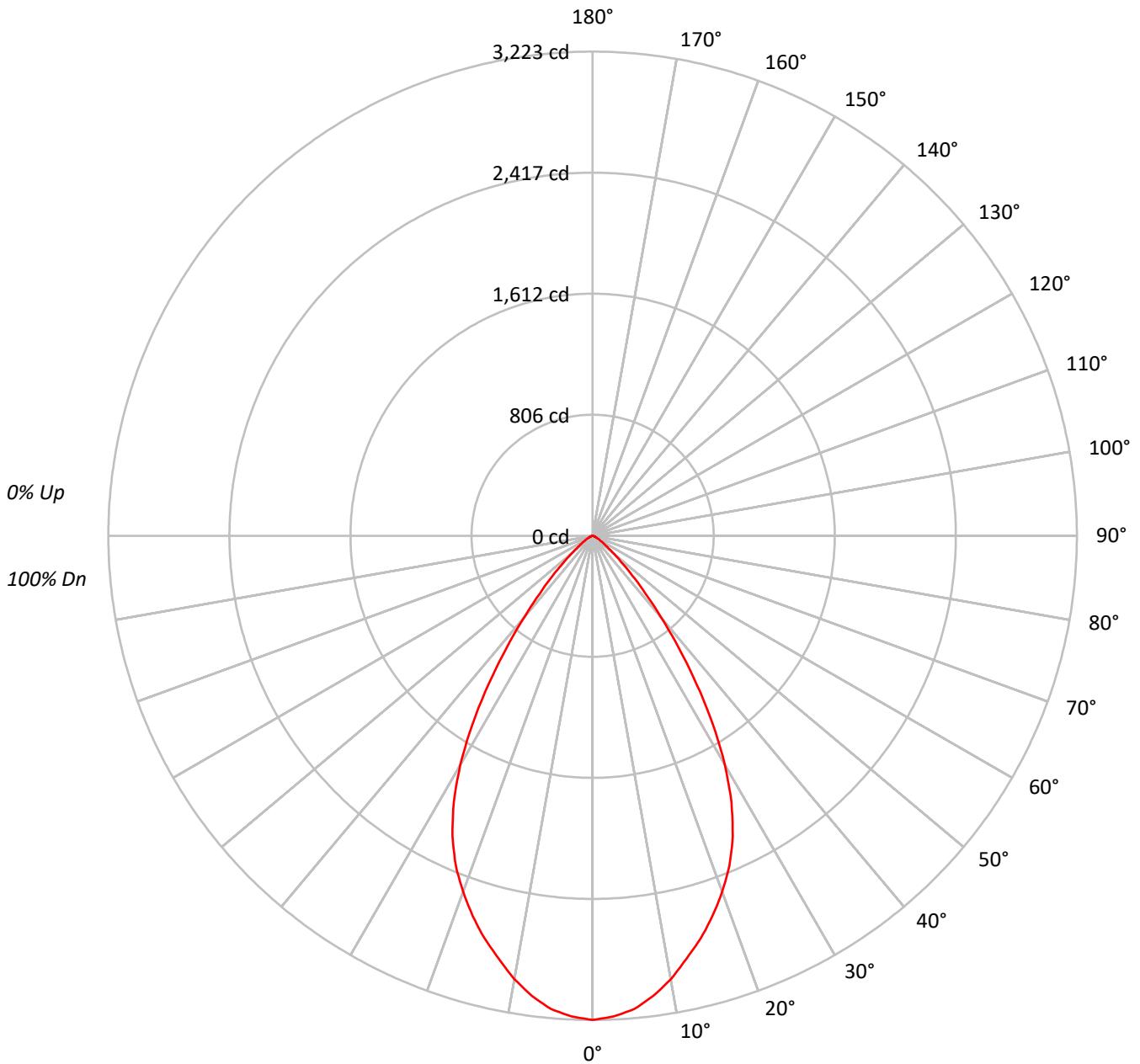
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3250.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79			
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73			
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67			
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62			
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58			
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54			
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50			
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	310945
5°	306428
10°	293628
15°	277332
20°	258870
25°	234997
30°	196203
35°	142139
40°	88976
45°	50857
50°	26524
55°	14854
60°	9475
65°	5594
70°	4147
75°	1827
80°	2723
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.5	9.1
10°-20°	777.9	23.9
20°-30°	999.8	30.8
30°-40°	752.2	23.1
40°-50°	302.1	9.3
50°-60°	85.9	2.6
60°-70°	27.2	0.8
70°-80°	7.7	0.2
80°-90°	0.7	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°	2074.2	63.8
0°-40°	2826.4	87.0
0°-60°	3214.4	98.9
0°-90°	3250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3250.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3223	
5°	3164	297
15°	2776	778
25°	2207	1000
35°	1207	752
45°	373	302
55°	88	86
65°	24	27
75°	5	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3222.6
2.5°	3202.9
5°	3163.7
7.5°	3090.1
10°	2996.9
12.5°	2884.2
15°	2776.3
17.5°	2653.6
20°	2521.1
22.5°	2379.0
25°	2207.3
27.5°	2001.2
30°	1761.0
32.5°	1491.1
35°	1206.7
37.5°	941.7
40°	706.4
42.5°	519.9
45°	372.7
47.5°	255.2
50°	176.7
52.5°	122.7
55°	88.3
57.5°	63.8
60°	49.1
62.5°	34.3
65°	24.5
67.5°	19.6
70°	14.7
72.5°	9.8
75°	4.9
77.5°	4.9
80°	4.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)