

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 EX4C409050 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 EX4C409050 4LBSQH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

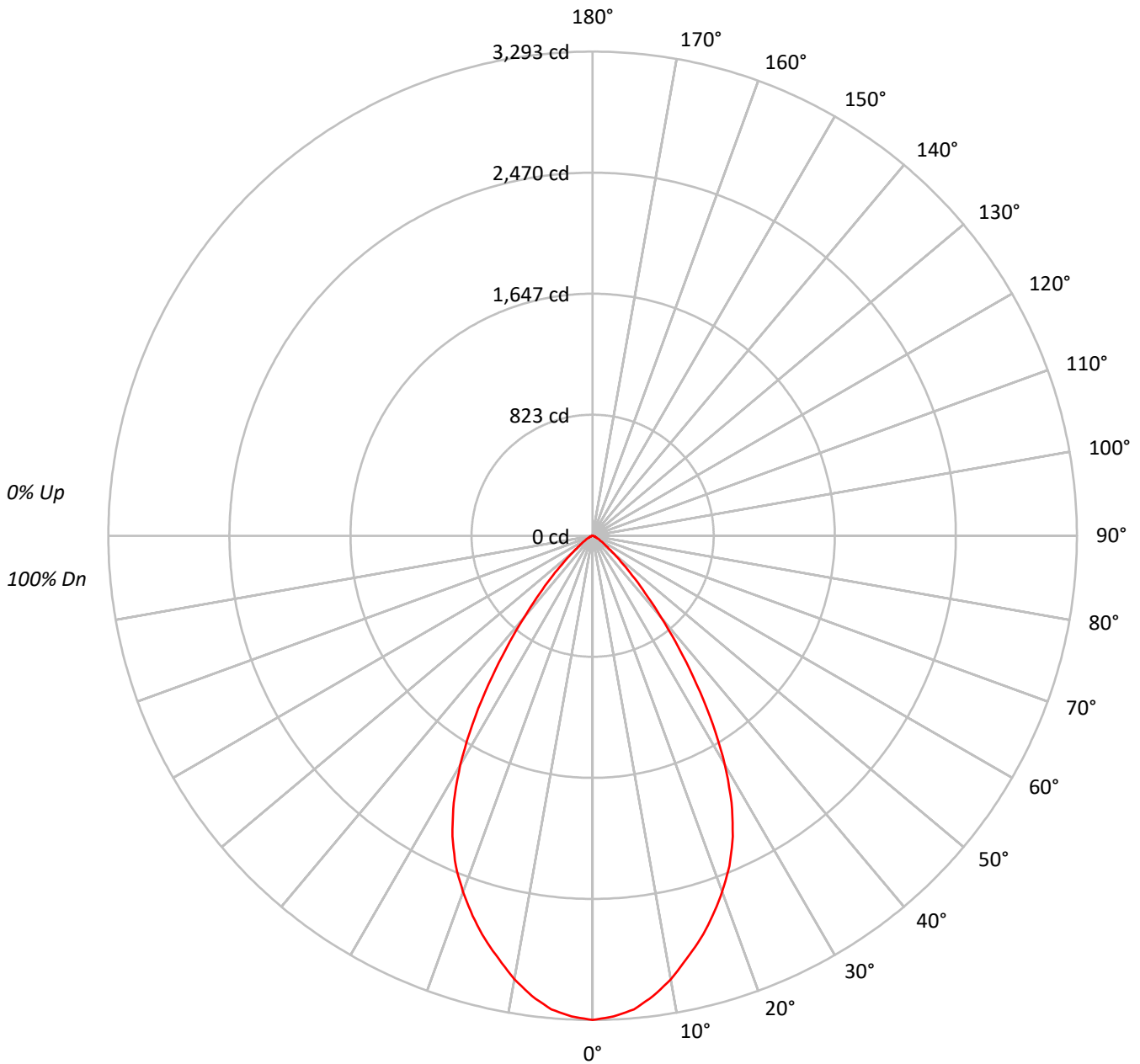
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3321.0 lumens
Efficiency: N/A
Efficacy: 70.7 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
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°	317738
5°	313121
10°	300036
15°	283385
20°	264528
25°	240129
30°	200482
35°	145237
40°	90916
45°	51976
50°	27095
55°	15191
60°	9668
65°	5731
70°	4232
75°	1864
80°	2778
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	9.1
10°-20°	794.9	23.9
20°-30°	1021.6	30.8
30°-40°	768.6	23.1
40°-50°	308.7	9.3
50°-60°	87.8	2.6
60°-70°	27.8	0.8
70°-80°	7.9	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°	2119.5	63.8
0°-40°	2888.2	87.0
0°-60°	3284.6	98.9
0°-90°	3321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3321.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3293	
5°	3233	303
15°	2837	795
25°	2256	1022
35°	1233	769
45°	381	309
55°	90	88
65°	25	28
75°	5	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3293.0
2.5°	3272.9
5°	3232.8
7.5°	3157.6
10°	3062.3
12.5°	2947.2
15°	2836.9
17.5°	2711.6
20°	2576.2
22.5°	2431.0
25°	2255.5
27.5°	2044.9
30°	1799.4
32.5°	1523.6
35°	1233.0
37.5°	962.3
40°	721.8
42.5°	531.3
45°	380.9
47.5°	260.7
50°	180.5
52.5°	125.4
55°	90.3
57.5°	65.2
60°	50.1
62.5°	35.1
65°	25.1
67.5°	20.1
70°	15.0
72.5°	10.0
75°	5.0
77.5°	5.0
80°	5.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)