

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: **LD4C08D010 EX4C089040 4LBSQH**

Issue Date: 2/9/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



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: LD4C08D010 EX4C089040 4LBSQH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

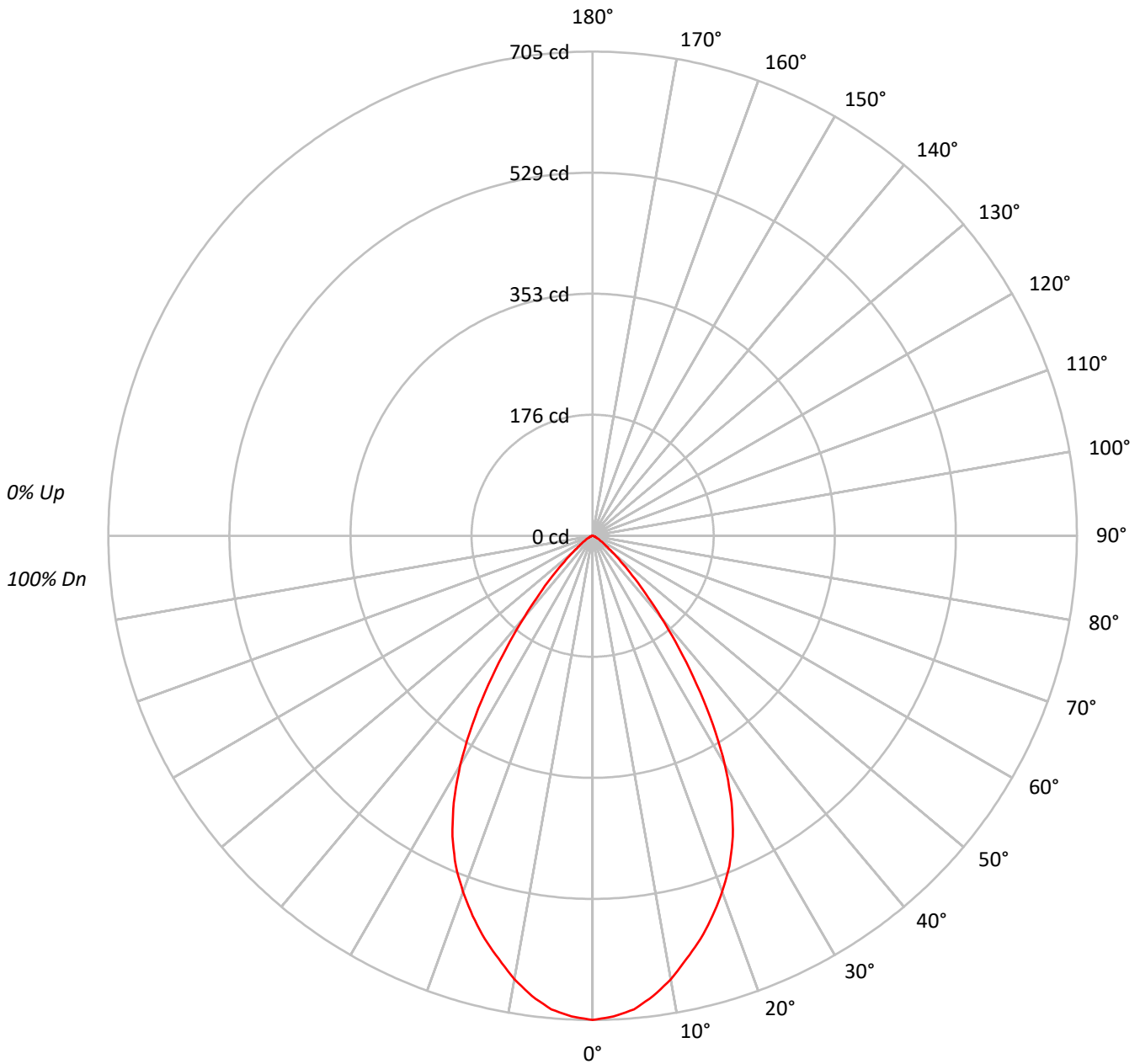
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 711.0 lumens
Efficiency: N/A
Efficacy: 71.8 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): 9.9
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		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°	68025
5°	67035
10°	64234
15°	60675
20°	56629
25°	51411
30°	42917
35°	31097
40°	19460
45°	11121
50°	5794
55°	3247
60°	2065
65°	1233
70°	903
75°	410
80°	611
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	9.1
10°-20°	170.2	23.9
20°-30°	218.7	30.8
30°-40°	164.6	23.1
40°-50°	66.1	9.3
50°-60°	18.8	2.6
60°-70°	5.9	0.8
70°-80°	1.7	0.2
80°-90°	0.1	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°	453.8	63.8
0°-40°	618.3	87.0
0°-60°	703.2	98.9
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	705	
5°	692	65
15°	607	170
25°	483	219
35°	264	165
45°	82	66
55°	19	19
65°	5	6
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	705.0
2.5°	700.7
5°	692.1
7.5°	676.0
10°	655.6
12.5°	631.0
15°	607.4
17.5°	580.5
20°	551.5
22.5°	520.5
25°	482.9
27.5°	437.8
30°	385.2
32.5°	326.2
35°	264.0
37.5°	206.0
40°	154.5
42.5°	113.7
45°	81.5
47.5°	55.8
50°	38.6
52.5°	26.8
55°	19.3
57.5°	14.0
60°	10.7
62.5°	7.5
65°	5.4
67.5°	4.3
70°	3.2
72.5°	2.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)