

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: **LD4C55D010 EX4C559027 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: LD4C55D010 EX4C559027 4LBSQH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

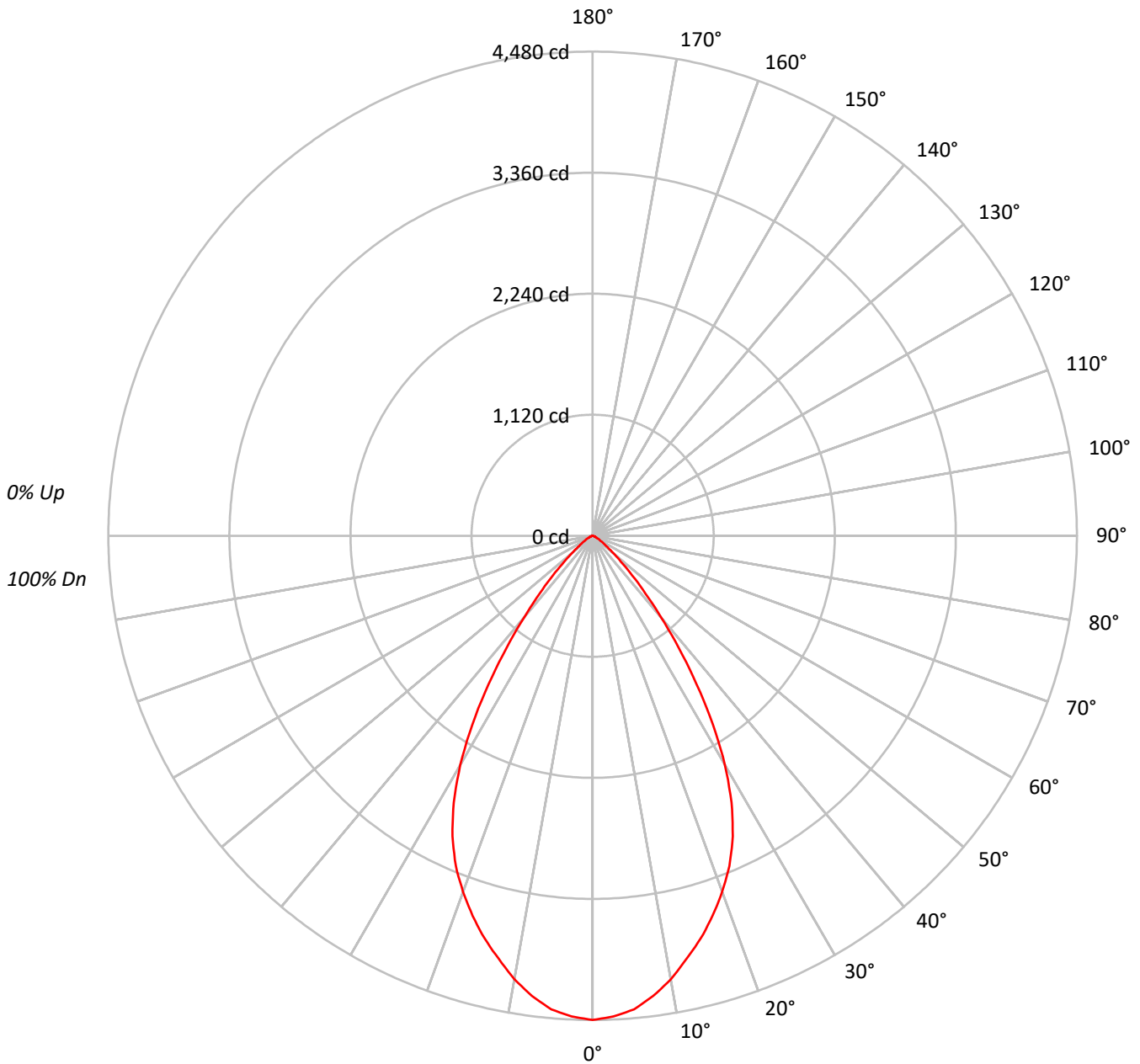
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4518.0 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): 63.9
Input Voltage (V):
Input Current (Ain): 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: P#
CATALOG NUMBER: LD4C55D010 EX4C559027 4LBSQH

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									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	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°	432261
5°	425979
10°	408184
15°	385526
20°	359867
25°	326673
30°	272746
35°	197595
40°	123690
45°	70698
50°	36867
55°	20658
60°	13161
65°	7785
70°	5783
75°	2535
80°	3778
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.2	9.1
10°-20°	1081.4	23.9
20°-30°	1389.8	30.8
30°-40°	1045.7	23.1
40°-50°	420.0	9.3
50°-60°	119.4	2.6
60°-70°	37.8	0.8
70°-80°	10.7	0.2
80°-90°	0.9	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°	2883.5	63.8
0°-40°	3929.1	87.0
0°-60°	4468.5	98.9
0°-90°	4518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4518.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4480	
5°	4398	412
15°	3859	1081
25°	3068	1390
35°	1678	1046
45°	518	420
55°	123	119
65°	34	38
75°	7	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4479.9
2.5°	4452.6
5°	4398.0
7.5°	4295.7
10°	4166.1
12.5°	4009.5
15°	3859.4
17.5°	3688.9
20°	3504.7
22.5°	3307.2
25°	3068.4
27.5°	2781.9
30°	2448.0
32.5°	2072.8
35°	1677.5
37.5°	1309.1
40°	982.0
42.5°	722.8
45°	518.1
47.5°	354.7
50°	245.6
52.5°	170.5
55°	122.8
57.5°	88.7
60°	68.2
62.5°	47.8
65°	34.1
67.5°	27.3
70°	20.5
72.5°	13.6
75°	6.8
77.5°	6.8
80°	6.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)