

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 EX4C559035 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 EX4C559035 4LBSQH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

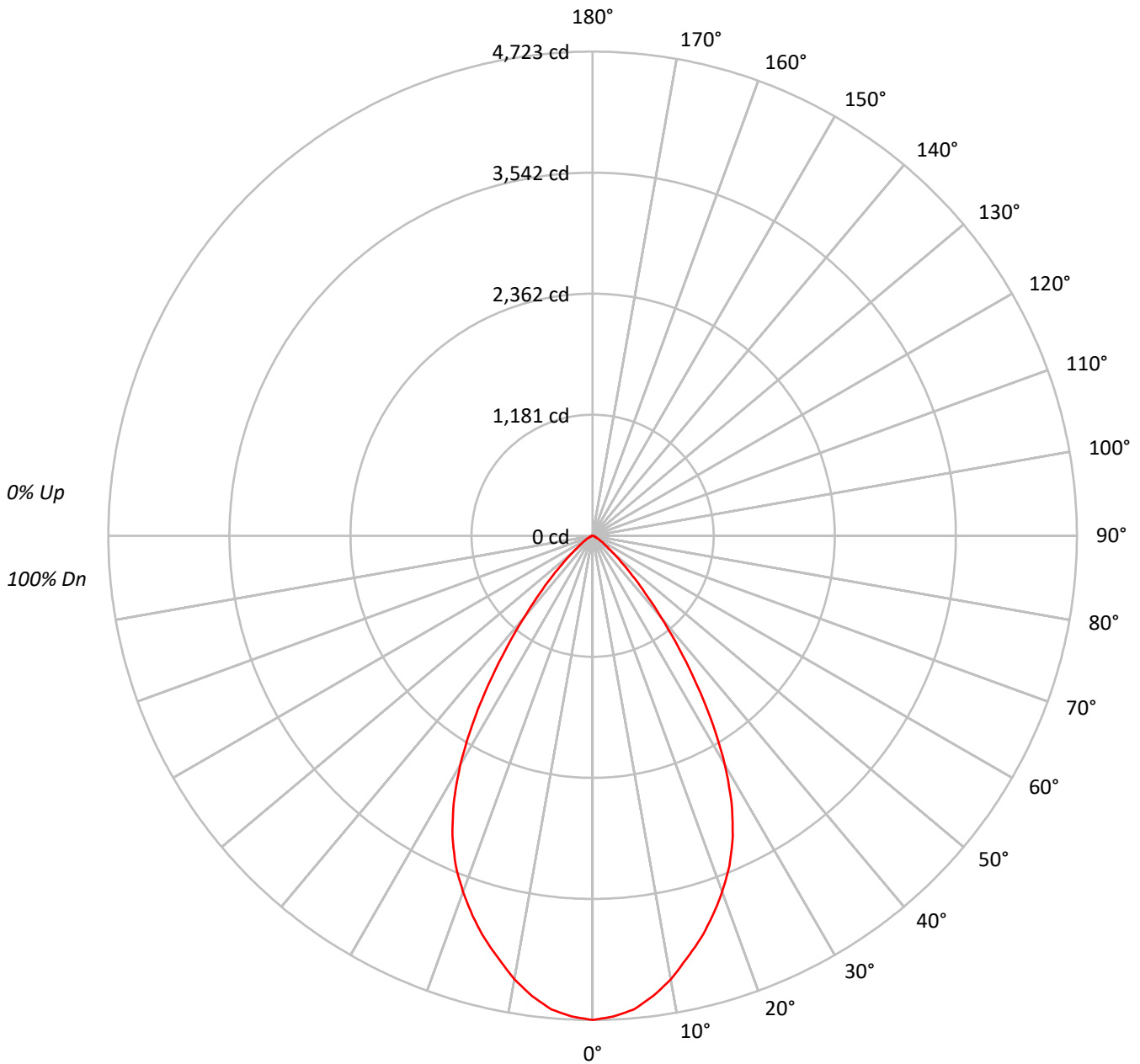
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4763.0 lumens
Efficiency: N/A
Efficacy: 74.5 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

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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									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	100	99	97	97	96	95	93	93	85	85																
	1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	85	85	87	87	87	85	85	79	79																
	2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	79	79	79	79	79	79	73	73	67																
	3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	73	69	75	72	69	67	67	67	67																
	4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	67	67	69	75	72	69	67	67	67	67																
	5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	69	75	72	69	67	67	67	67	67																
	6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	64	71	67	64	62	62	62	62	62																
	7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	59	67	62	59	58	58	58	58	58																
	8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	55	63	58	55	54	54	54	54	54																
	9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	52	59	55	52	50	50	50	50	50																
	10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	48	56	52	48	47	47	47	47	47																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	455698
5°	449080
10°	430317
15°	406433
20°	379387
25°	344389
30°	287531
35°	208302
40°	130391
45°	74532
50°	38863
55°	21768
60°	13875
65°	8219
70°	6094
75°	2684
80°	4001
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.6	9.1
10°-20°	1140.1	23.9
20°-30°	1465.2	30.8
30°-40°	1102.4	23.1
40°-50°	442.7	9.3
50°-60°	125.9	2.6
60°-70°	39.9	0.8
70°-80°	11.4	0.2
80°-90°	1.0	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°	3039.8	63.8
0°-40°	4142.2	87.0
0°-60°	4710.8	98.9
0°-90°	4763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4763.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4723	
5°	4636	435
15°	4069	1140
25°	3235	1465
35°	1768	1102
45°	546	443
55°	129	126
65°	36	40
75°	7	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4722.8
2.5°	4694.0
5°	4636.5
7.5°	4528.6
10°	4392.0
12.5°	4226.9
15°	4068.7
17.5°	3888.9
20°	3694.8
22.5°	3486.5
25°	3234.8
27.5°	2932.8
30°	2580.7
32.5°	2185.2
35°	1768.4
37.5°	1380.1
40°	1035.2
42.5°	762.0
45°	546.2
47.5°	374.0
50°	258.9
52.5°	179.8
55°	129.4
57.5°	93.5
60°	71.9
62.5°	50.3
65°	36.0
67.5°	28.8
70°	21.6
72.5°	14.4
75°	7.2
77.5°	7.2
80°	7.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)