

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



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: -

Summary

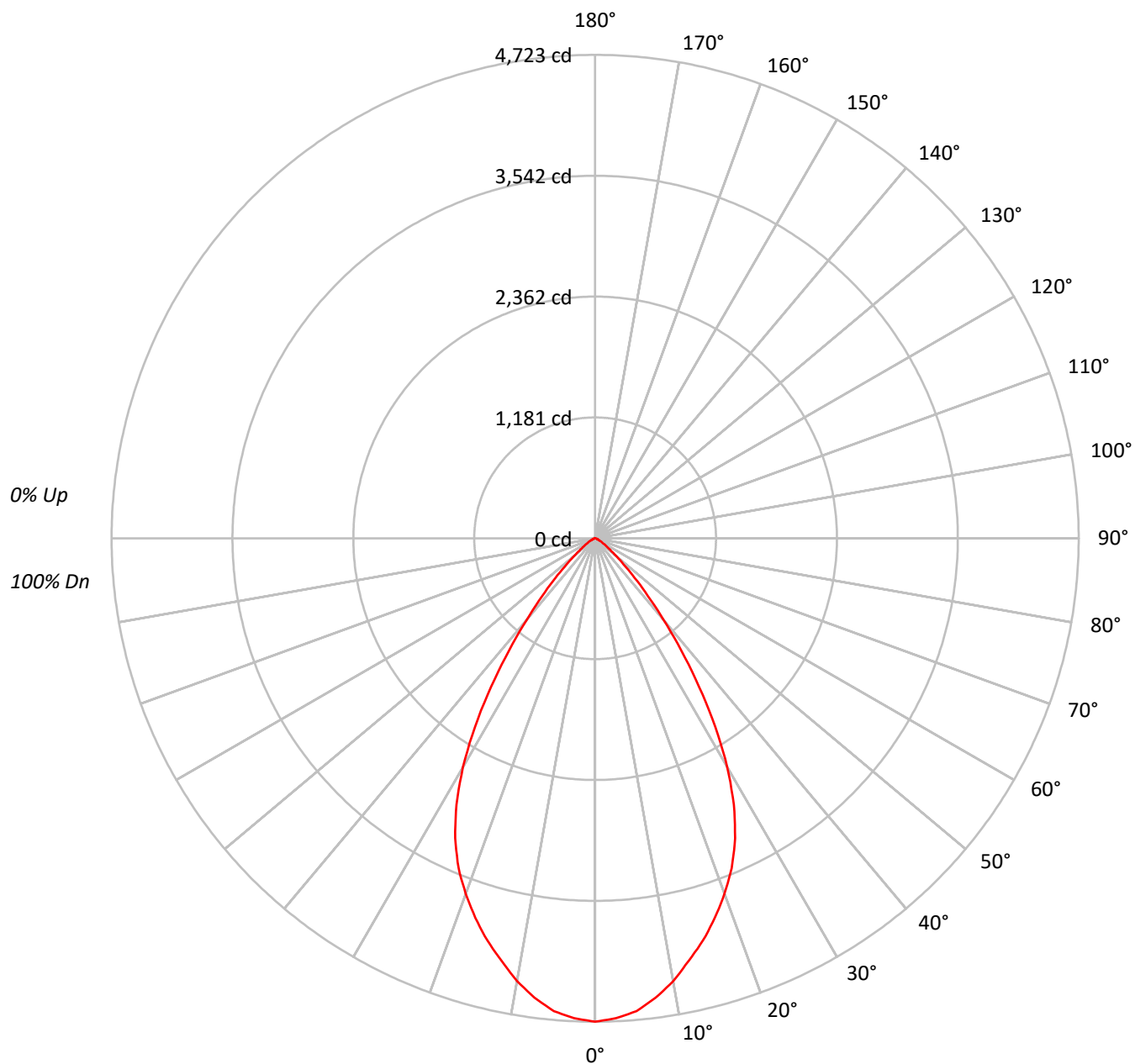
Lumens per Lamp: N/A
Luminaire Lumens: 4763.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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				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°	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



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— 0°-180°







(END OF REPORT)