

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 EX4C559050 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 EX4C559050 4LBSQH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

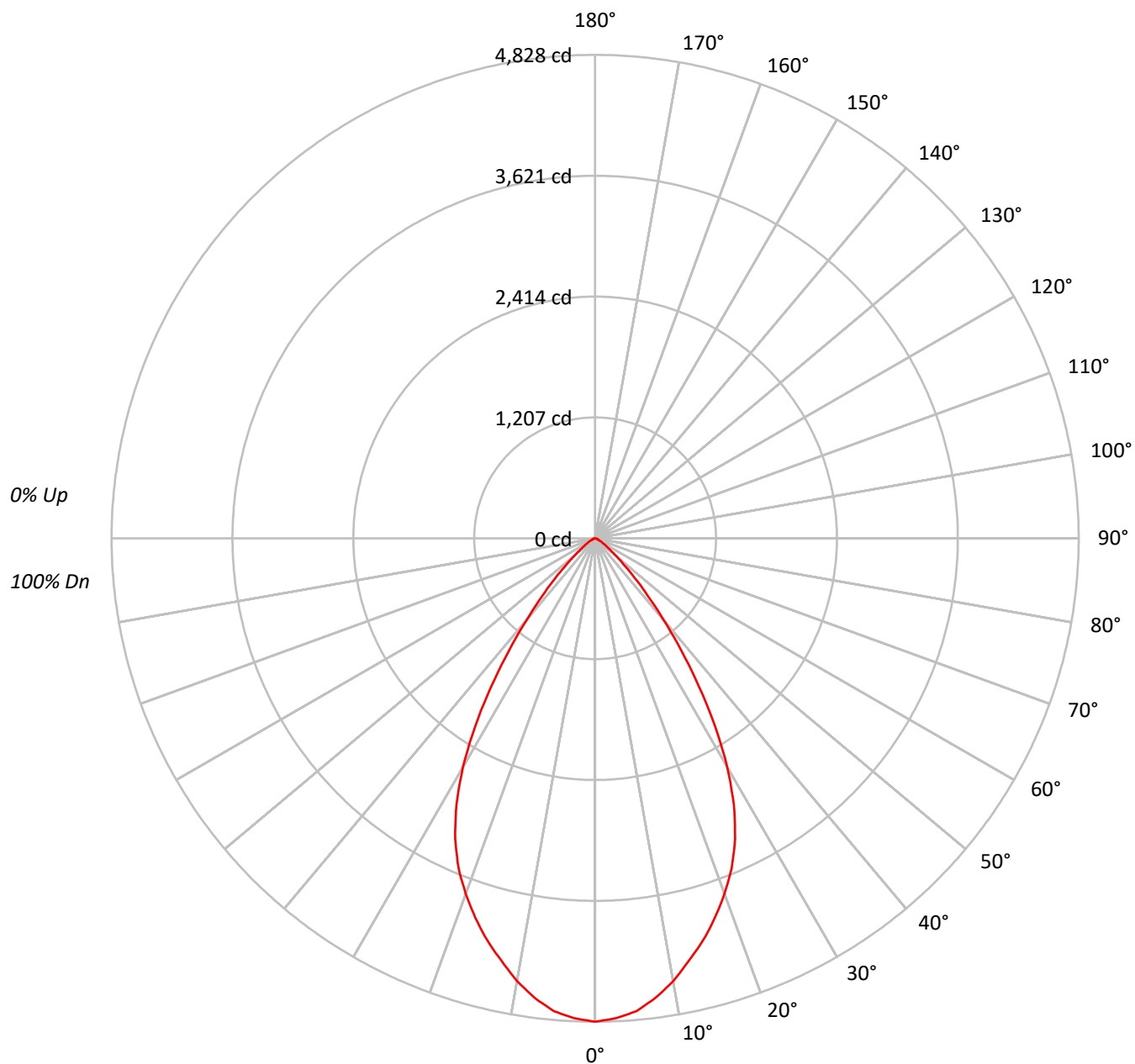
Lumens per Lamp: N/A
Luminaire Lumens: 4869.1 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	465839
5°	459075
10°	439889
15°	415484
20°	387827
25°	352054
30°	293937
35°	212943
40°	133301
45°	76197
50°	39734
55°	22256
60°	14184
65°	8402
70°	6235
75°	2759
80°	4112
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.2	9.1
10°-20°	1165.5	23.9
20°-30°	1497.8	30.8
30°-40°	1126.9	23.1
40°-50°	452.6	9.3
50°-60°	128.7	2.6
60°-70°	40.8	0.8
70°-80°	11.6	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°	3107.5	63.8
0°-40°	4234.4	87.0
0°-60°	4815.7	98.9
0°-90°	4869.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4869.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4828	
5°	4740	444
15°	4159	1165
25°	3307	1498
35°	1808	1127
45°	558	453
55°	132	129
65°	37	41
75°	7	12
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4827.9
2.5°	4798.5
5°	4739.7
7.5°	4629.4
10°	4489.7
12.5°	4321.0
15°	4159.3
17.5°	3975.5
20°	3777.0
22.5°	3564.1
25°	3306.8
27.5°	2998.1
30°	2638.2
32.5°	2233.8
35°	1807.8
37.5°	1410.8
40°	1058.3
42.5°	778.9
45°	558.4
47.5°	382.3
50°	264.7
52.5°	183.8
55°	132.3
57.5°	95.6
60°	73.5
62.5°	51.5
65°	36.8
67.5°	29.4
70°	22.1
72.5°	14.7
75°	7.4
77.5°	7.4
80°	7.4
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)