

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: P859108

Luminaire Tested: **LX4C55D010 EX4C559035 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559035 4LBMDH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

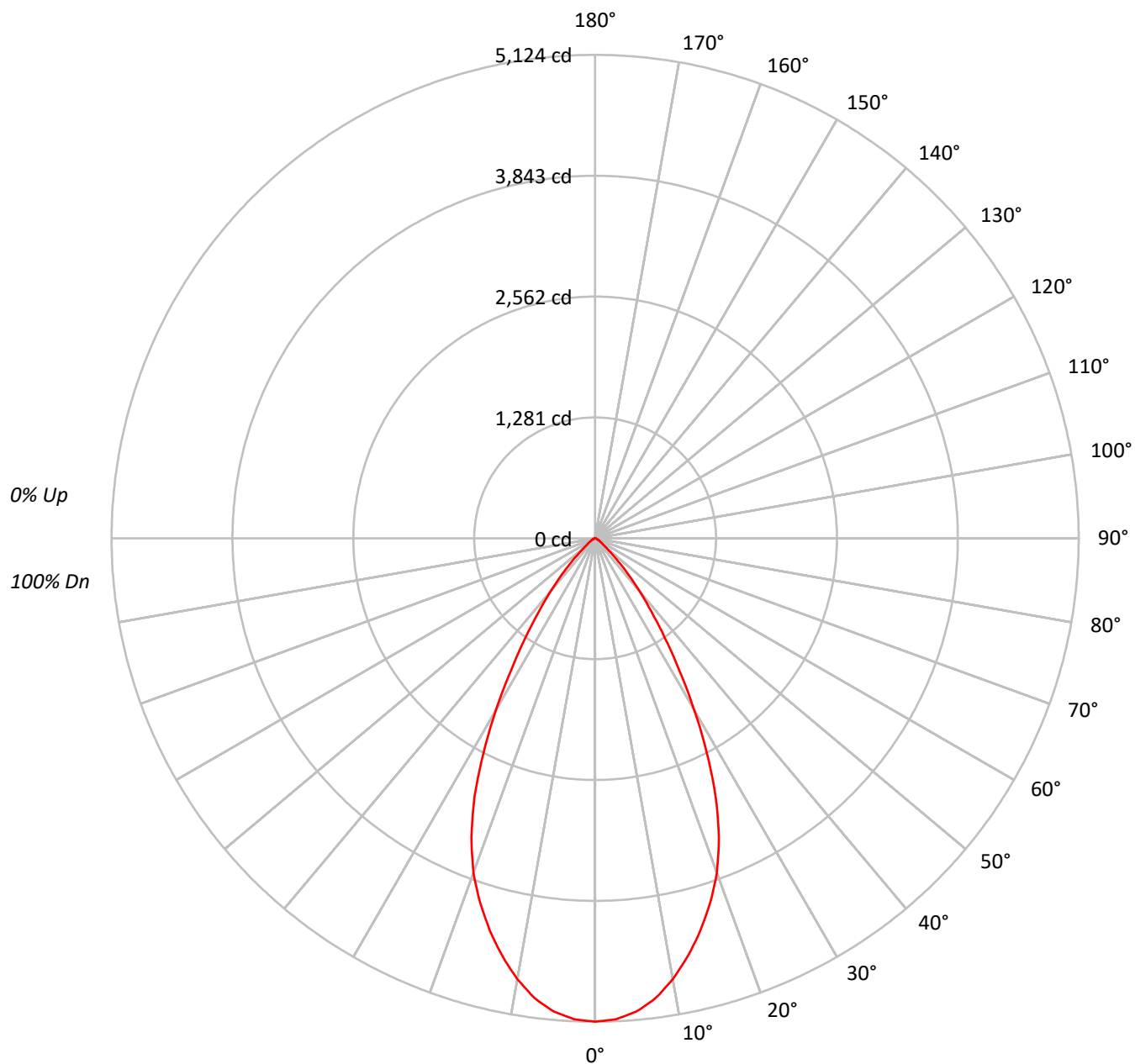
Lumens per Lamp: N/A
Luminaire Lumens: 4253.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81		
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75		
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70		
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61		
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57		
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54		
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	629452
5°	620955
10°	591833
15°	547643
20°	492987
25°	409562
30°	297719
35°	192990
40°	116784
45°	60184
50°	27255
55°	16407
60°	11008
65°	7878
70°	5927
75°	3892
80°	2476
85°	1692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.4	11.1
10°-20°	1201.5	28.3
20°-30°	1358.7	31.9
30°-40°	821.1	19.3
40°-50°	287.6	6.8
50°-60°	73.6	1.7
60°-70°	28.2	0.7
70°-80°	9.4	0.2
80°-90°	1.5	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°	3031.6	71.3
0°-40°	3852.7	90.6
0°-60°	4213.9	99.1
0°-90°	4253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4253.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5124	
5°	5035	471
15°	4306	1202
25°	3021	1359
35°	1287	821
45°	346	288
55°	77	74
65°	27	28
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5123.6
2.5°	5102.4
5°	5035.2
7.5°	4916.2
10°	4744.2
12.5°	4536.8
15°	4305.8
17.5°	4052.5
20°	3770.8
22.5°	3425.6
25°	3021.4
27.5°	2558.3
30°	2098.7
32.5°	1659.2
35°	1286.8
37.5°	975.7
40°	728.2
42.5°	523.2
45°	346.4
47.5°	213.3
50°	142.6
52.5°	102.5
55°	76.6
57.5°	58.9
60°	44.8
62.5°	35.4
65°	27.1
67.5°	21.2
70°	16.5
72.5°	11.8
75°	8.2
77.5°	5.9
80°	3.5
82.5°	2.4
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)