

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: P859087

Luminaire Tested: **LX4C55D010 EX4C559030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859087
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 EX4C559030 4LBMDH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

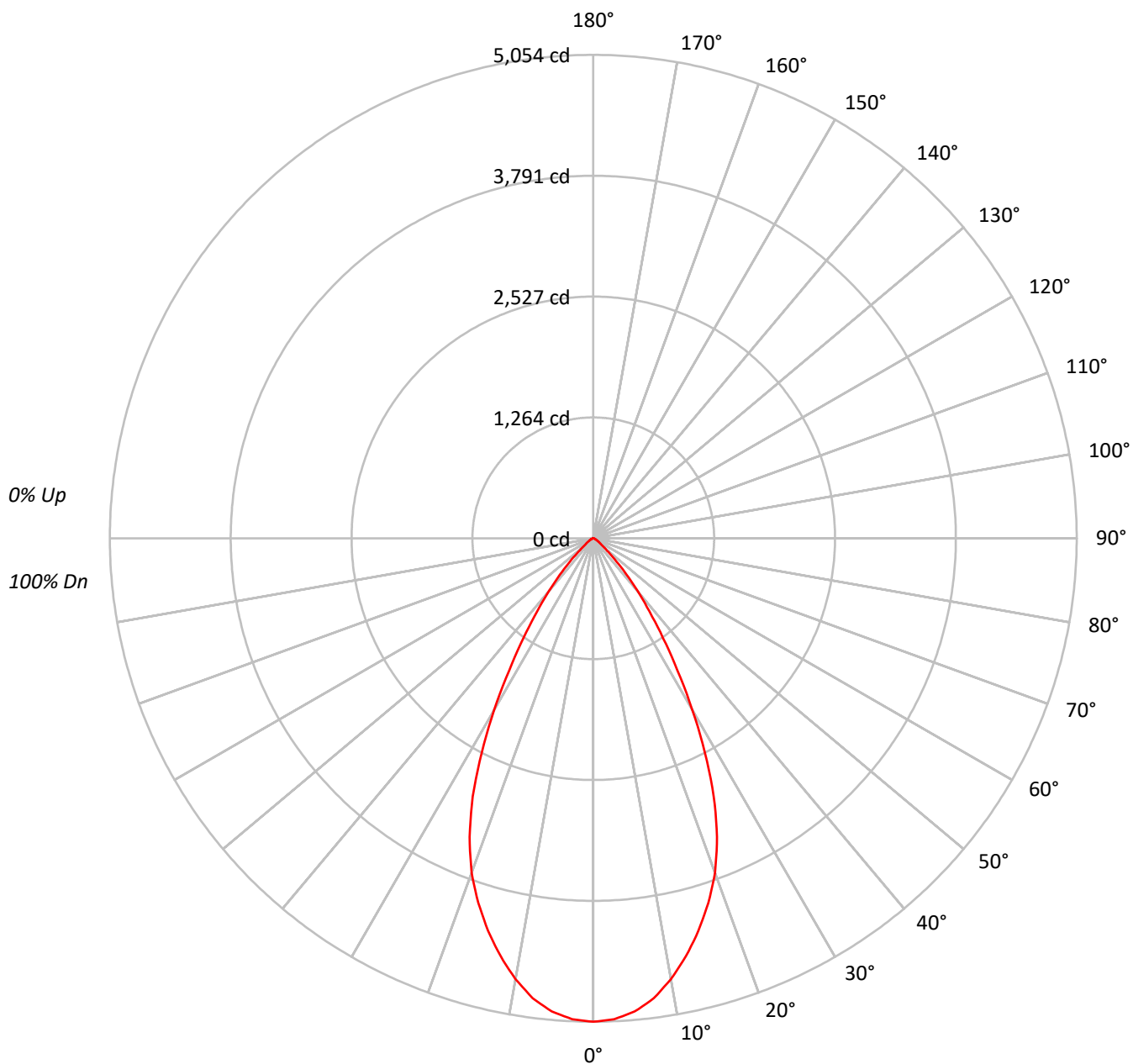
Lumens per Lamp: N/A
Luminaire Lumens: 4195.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	620877
5°	612495
10°	583761
15°	540177
20°	486267
25°	403977
30°	293662
35°	190350
40°	115197
45°	59367
50°	26872
55°	16193
60°	10860
65°	7762
70°	5855
75°	3845
80°	2476
85°	1692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.0	11.1
10°-20°	1185.1	28.3
20°-30°	1340.2	31.9
30°-40°	809.9	19.3
40°-50°	283.7	6.8
50°-60°	72.6	1.7
60°-70°	27.8	0.7
70°-80°	9.3	0.2
80°-90°	1.4	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°	2990.3	71.3
0°-40°	3800.2	90.6
0°-60°	4156.4	99.1
0°-90°	4195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4195.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5054	
5°	4967	465
15°	4247	1185
25°	2980	1340
35°	1269	810
45°	342	284
55°	76	73
65°	27	28
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5053.8
2.5°	5032.8
5°	4966.6
7.5°	4849.2
10°	4679.5
12.5°	4474.9
15°	4247.1
17.5°	3997.2
20°	3719.4
22.5°	3378.9
25°	2980.2
27.5°	2523.4
30°	2070.1
32.5°	1636.5
35°	1269.2
37.5°	962.4
40°	718.3
42.5°	516.1
45°	341.7
47.5°	210.4
50°	140.6
52.5°	101.1
55°	75.6
57.5°	58.1
60°	44.2
62.5°	34.9
65°	26.7
67.5°	20.9
70°	16.3
72.5°	11.6
75°	8.1
77.5°	5.8
80°	3.5
82.5°	2.3
85°	1.2
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)