

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: P859117

Luminaire Tested: **LX4C55D010 EX4C559035 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559035 4LBWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

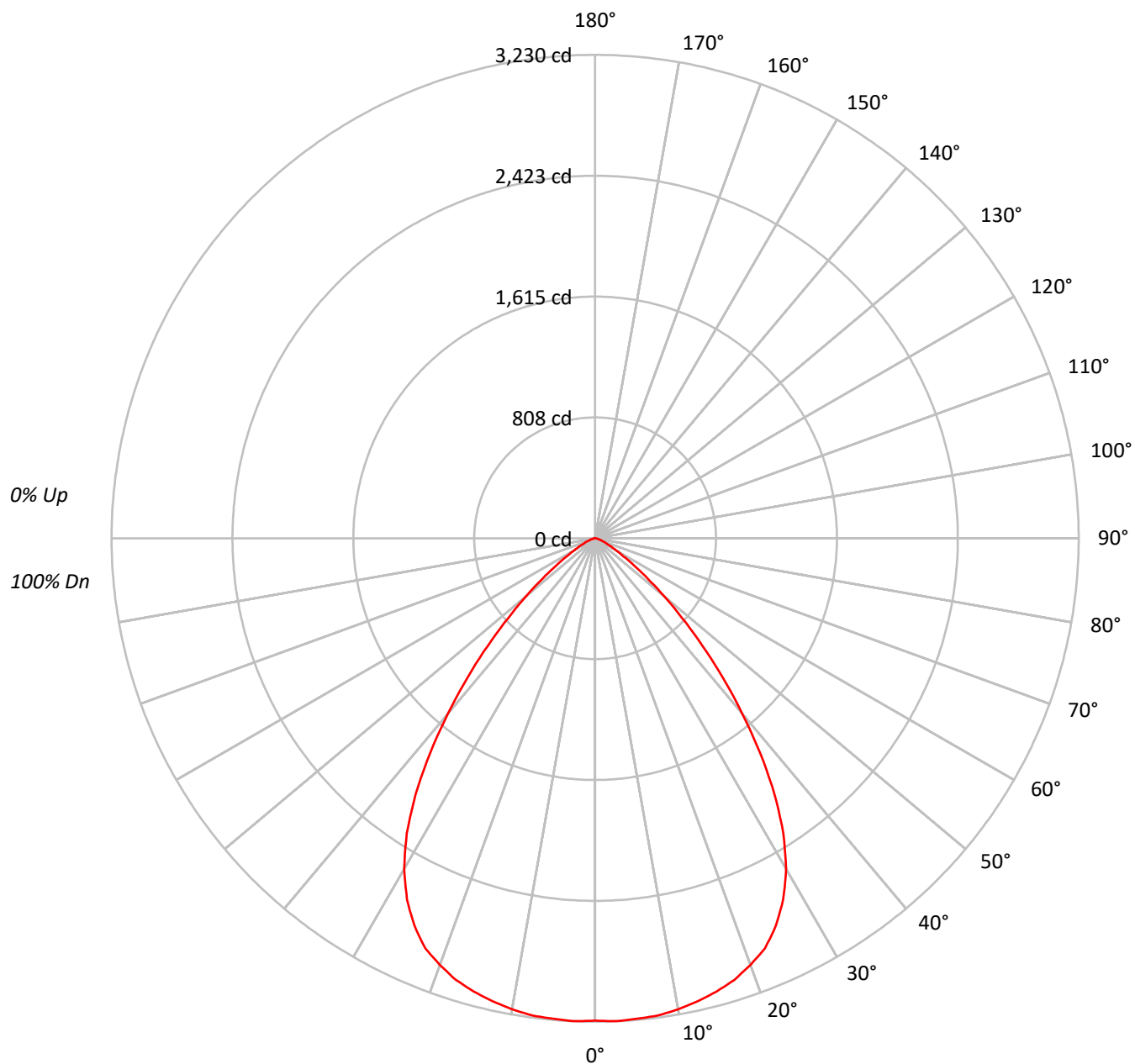
Lumens per Lamp: N/A
Luminaire Lumens: 5000.0 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	395932
5°	397445
10°	398647
15°	398669
20°	396476
25°	387196
30°	361896
35°	313391
40°	244811
45°	175652
50°	114102
55°	68305
60°	39977
65°	25668
70°	17062
75°	12911
80°	9622
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.9	6.1
10°-20°	884.3	17.7
20°-30°	1304.9	26.1
30°-40°	1287.8	25.8
40°-50°	788.1	15.8
50°-60°	302.1	6.0
60°-70°	94.5	1.9
70°-80°	27.7	0.6
80°-90°	3.7	0.1
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°	2496.2	49.9
0°-40°	3784.0	75.7
0°-60°	4874.2	97.5
0°-90°	5000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3223	
5°	3223	307
15°	3134	884
25°	2856	1305
35°	2090	1288
45°	1011	788
55°	319	302
65°	88	94
75°	27	28
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3222.8
2.5°	3229.6
5°	3222.8
7.5°	3216.0
10°	3195.6
12.5°	3168.5
15°	3134.5
17.5°	3093.8
20°	3032.6
22.5°	2965.0
25°	2856.4
27.5°	2720.5
30°	2551.1
32.5°	2340.9
35°	2089.6
37.5°	1811.4
40°	1526.5
42.5°	1262.0
45°	1011.0
47.5°	786.9
50°	597.0
52.5°	441.1
55°	318.9
57.5°	223.8
60°	162.7
62.5°	122.2
65°	88.3
67.5°	67.9
70°	47.5
72.5°	34.0
75°	27.2
77.5°	13.6
80°	13.6
82.5°	6.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)