

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: P859166

Luminaire Tested: **LX4C55D010 EX4C559730 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859166
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 EX4C559730 4LBWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

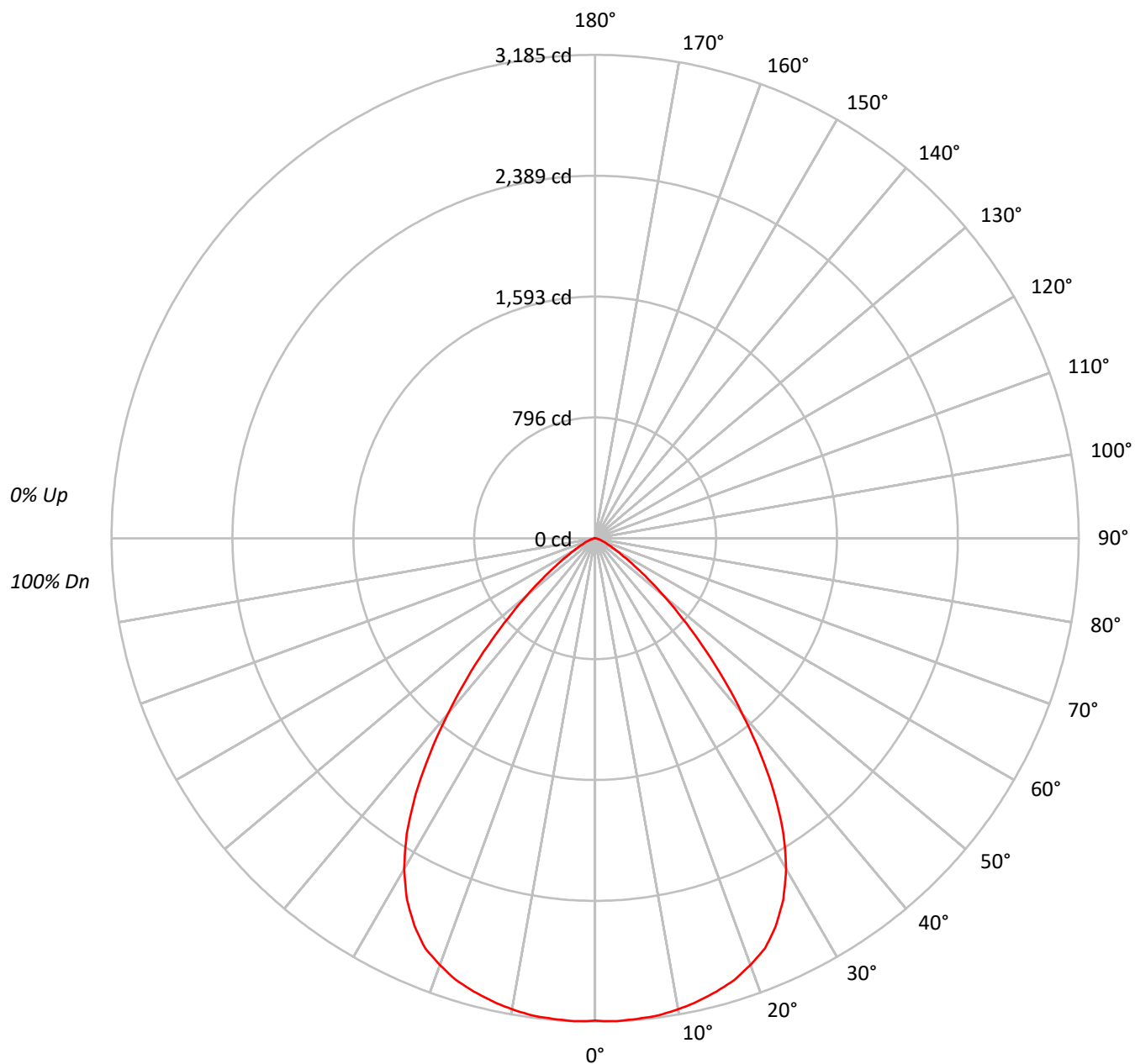
Lumens per Lamp: N/A
Luminaire Lumens: 4931.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	390465
5°	391957
10°	393145
15°	393174
20°	391011
25°	381855
30°	356903
35°	309056
40°	241427
45°	173220
50°	112535
55°	67362
60°	39411
65°	25320
70°	16846
75°	12721
80°	9480
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.7	6.1
10°-20°	872.1	17.7
20°-30°	1286.9	26.1
30°-40°	1270.0	25.8
40°-50°	777.2	15.8
50°-60°	297.9	6.0
60°-70°	93.2	1.9
70°-80°	27.3	0.6
80°-90°	3.6	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°	2461.7	49.9
0°-40°	3731.7	75.7
0°-60°	4806.8	97.5
0°-90°	4931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4931.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3178	
5°	3178	303
15°	3091	872
25°	2817	1287
35°	2061	1270
45°	997	777
55°	314	298
65°	87	93
75°	27	27
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3178.3
2.5°	3185.0
5°	3178.3
7.5°	3171.6
10°	3151.5
12.5°	3124.7
15°	3091.3
17.5°	3051.1
20°	2990.8
22.5°	2924.1
25°	2817.0
27.5°	2683.0
30°	2515.9
32.5°	2308.5
35°	2060.7
37.5°	1786.4
40°	1505.4
42.5°	1244.5
45°	997.0
47.5°	776.0
50°	588.8
52.5°	435.0
55°	314.5
57.5°	220.7
60°	160.4
62.5°	120.6
65°	87.1
67.5°	67.0
70°	46.9
72.5°	33.5
75°	26.8
77.5°	13.4
80°	13.4
82.5°	6.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)