

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: P859159

Luminaire Tested: **LX4C55D010 EX4C559050 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859159
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 EX4C559050 4LBWH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

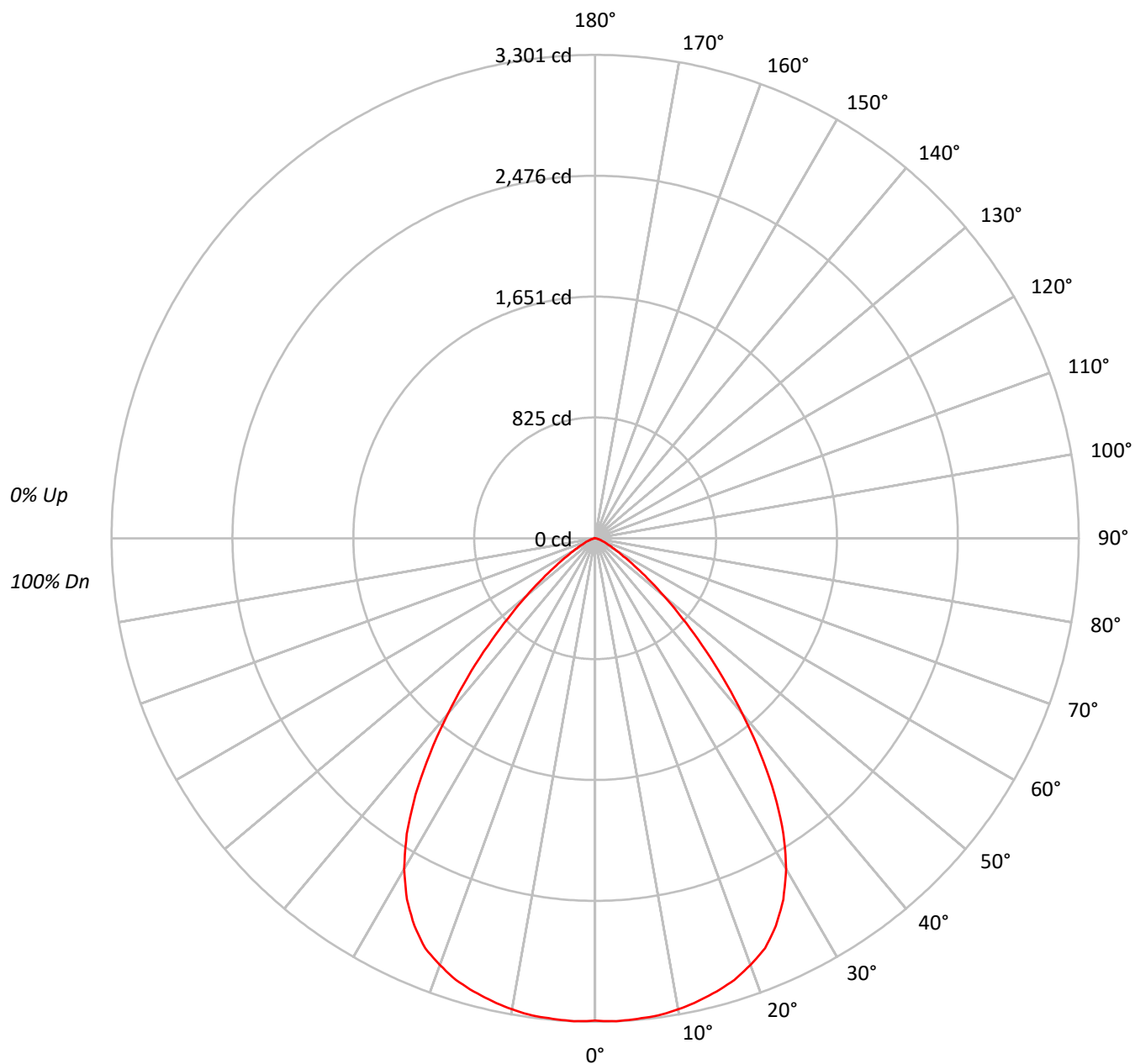
Lumens per Lamp: N/A
Luminaire Lumens: 5111.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	404716
5°	406262
10°	407504
15°	407521
20°	405288
25°	395790
30°	369926
35°	320350
40°	250247
45°	179544
50°	116644
55°	69825
60°	40861
65°	26221
70°	17457
75°	13196
80°	9834
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.7	6.1
10°-20°	904.0	17.7
20°-30°	1333.9	26.1
30°-40°	1316.4	25.8
40°-50°	805.6	15.8
50°-60°	308.8	6.0
60°-70°	96.6	1.9
70°-80°	28.3	0.6
80°-90°	3.8	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°	2551.6	49.9
0°-40°	3868.0	75.7
0°-60°	4982.4	97.5
0°-90°	5111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3294	
5°	3294	314
15°	3204	904
25°	2920	1334
35°	2136	1316
45°	1033	806
55°	326	309
65°	90	97
75°	28	28
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3294.3
2.5°	3301.3
5°	3294.3
7.5°	3287.4
10°	3266.6
12.5°	3238.8
15°	3204.1
17.5°	3162.4
20°	3100.0
22.5°	3030.9
25°	2919.8
27.5°	2780.9
30°	2607.7
32.5°	2392.8
35°	2136.0
37.5°	1851.6
40°	1560.4
42.5°	1290.0
45°	1033.4
47.5°	804.3
50°	610.3
52.5°	450.9
55°	326.0
57.5°	228.8
60°	166.3
62.5°	125.0
65°	90.2
67.5°	69.4
70°	48.6
72.5°	34.7
75°	27.8
77.5°	13.9
80°	13.9
82.5°	6.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)