

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: P859073

Luminaire Tested: **LX4C55D010 EX4C559027 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P859073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559027 4LBSLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

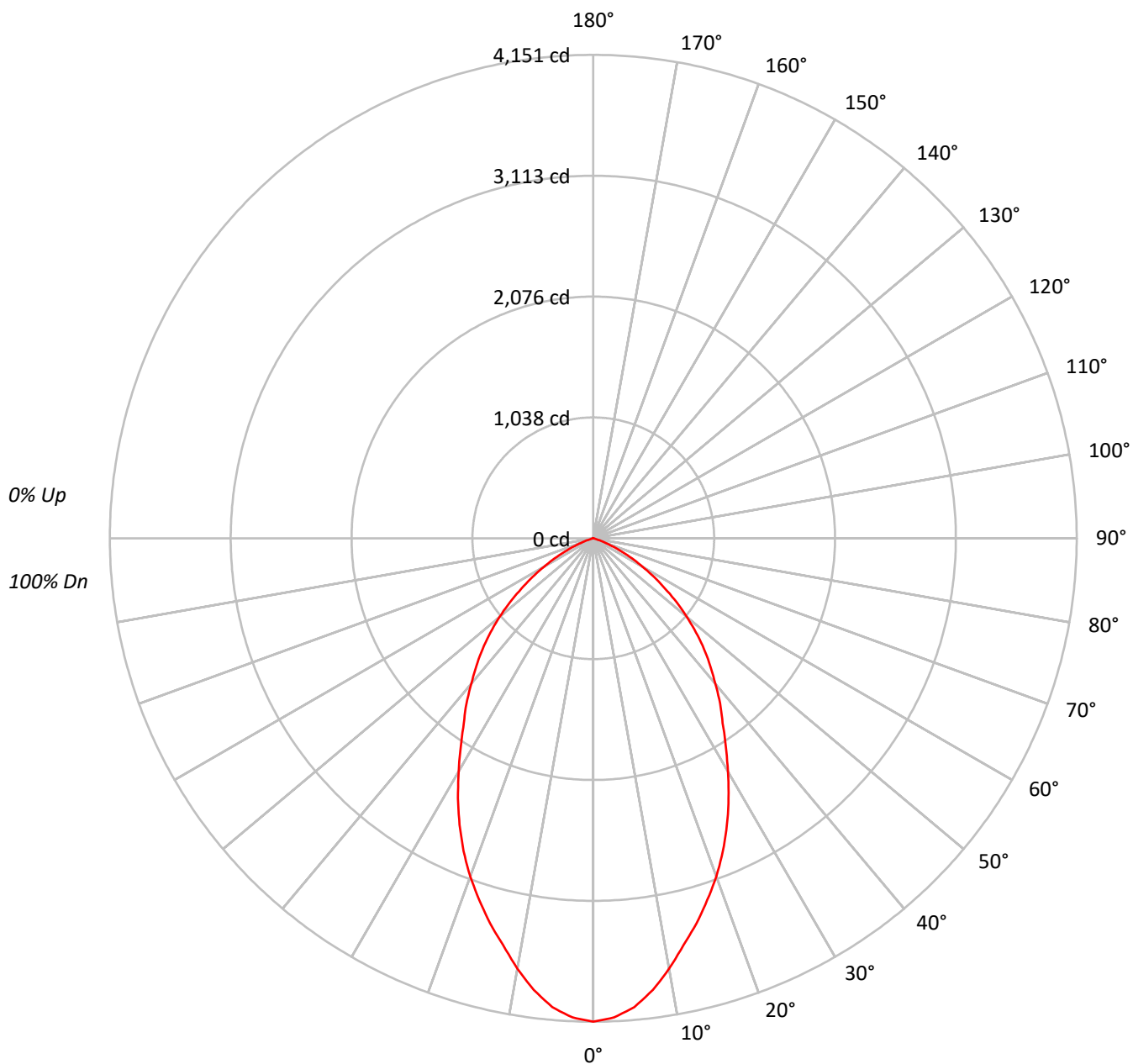
Lumens per Lamp: N/A
Luminaire Lumens: 5813.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	102		109	106	103	101		102	100	98		98	96	95		95	93	92
2	104	98	93	88		102	96	91	87		93	89	85		90	86	84		87	84	82
3	97	89	82	77		95	87	81	77		84	79	75		82	78	74		79	76	73
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	73	66	61		82	72	65	60		70	64	60		69	63	59		67	62	59
6	79	67	60	54		77	66	59	54		65	58	54		63	58	53		62	57	53
7	74	62	54	49		72	61	54	49		60	53	49		58	53	48		57	52	48
8	69	57	50	45		68	57	50	45		55	49	45		54	49	44		53	48	44
9	65	53	46	41		64	53	46	41		52	45	41		51	45	41		50	44	41
10	61	50	43	38		60	49	42	38		48	42	38		47	42	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	509928
5°	498372
10°	468020
15°	435426
20°	403836
25°	368123
30°	327737
35°	290489
40°	261089
45°	233682
50°	200472
55°	161263
60°	120151
65°	76715
70°	36962
75°	6123
80°	4528
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.4	6.5
10°-20°	959.9	16.5
20°-30°	1243.8	21.4
30°-40°	1218.7	21.0
40°-50°	1033.0	17.8
50°-60°	677.2	11.6
60°-70°	272.2	4.7
70°-80°	31.1	0.5
80°-90°	0.9	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°	2580.0	44.4
0°-40°	3798.7	65.3
0°-60°	5508.8	94.8
0°-90°	5813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5813.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4151	
5°	4041	376
15°	3424	960
25°	2716	1244
35°	1937	1219
45°	1345	1033
55°	753	677
65°	264	272
75°	13	31
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4150.7
2.5°	4118.5
5°	4041.2
7.5°	3912.5
10°	3751.7
12.5°	3577.9
15°	3423.5
17.5°	3256.2
20°	3088.9
22.5°	2908.7
25°	2715.7
27.5°	2516.1
30°	2310.3
32.5°	2117.2
35°	1936.9
37.5°	1789.0
40°	1628.0
42.5°	1486.5
45°	1345.0
47.5°	1196.9
50°	1048.9
52.5°	901.0
55°	752.9
57.5°	617.8
60°	489.0
62.5°	373.2
65°	263.9
67.5°	173.7
70°	102.9
72.5°	45.0
75°	12.9
77.5°	6.4
80°	6.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)