

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: P857604

Luminaire Tested: **LX4C30D010 EX4C309050 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857604
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: LX4C30D010 EX4C309050 4LBSLI
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

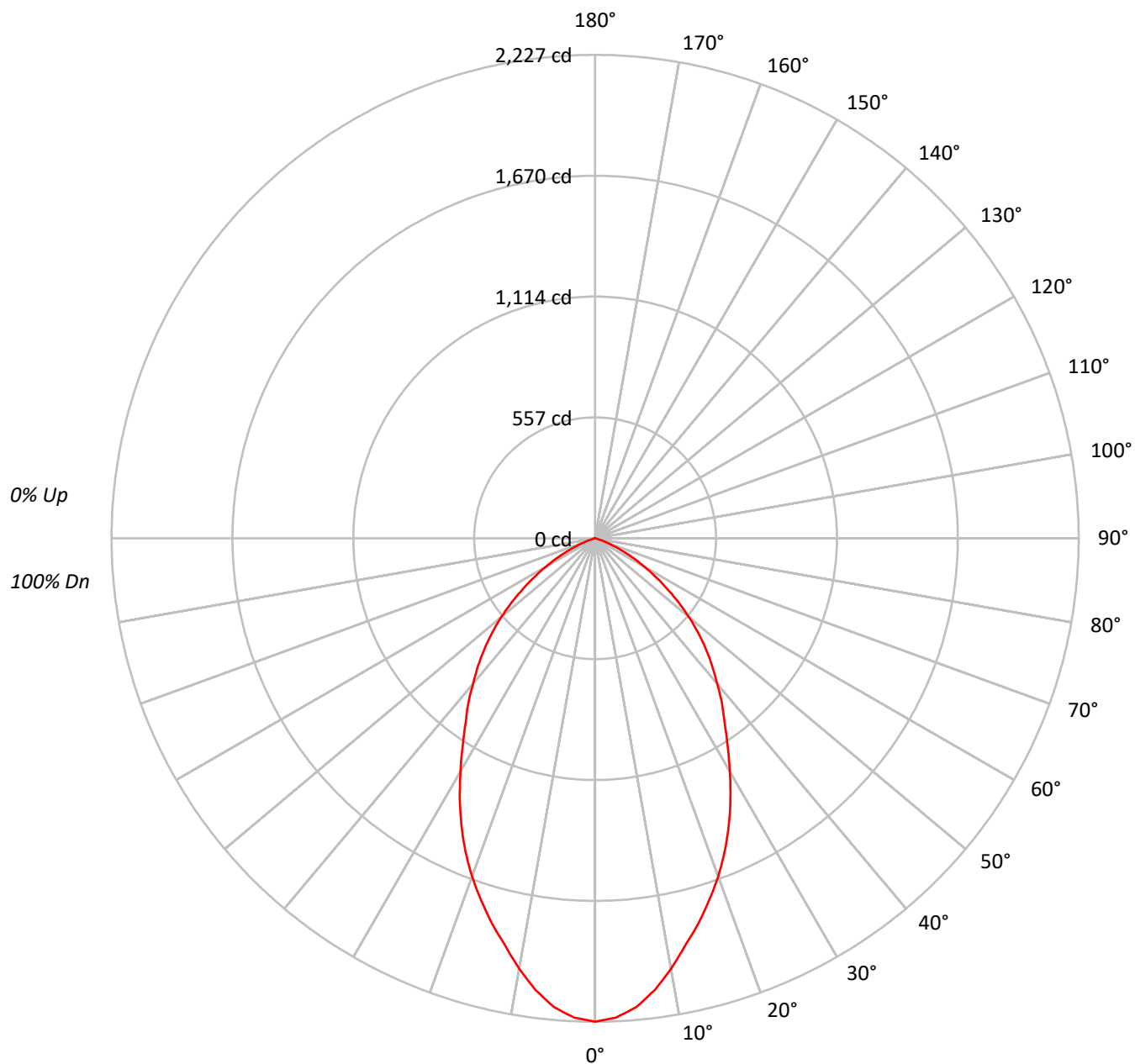
Lumens per Lamp: N/A
Luminaire Lumens: 3119.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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°	273607
5°	267401
10°	251119
15°	233630
20°	216685
25°	197515
30°	175848
35°	155870
40°	140087
45°	125389
50°	107566
55°	86532
60°	64474
65°	41163
70°	19828
75°	3275
80°	2405
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.9	6.5
10°-20°	515.0	16.5
20°-30°	667.4	21.4
30°-40°	653.9	21.0
40°-50°	554.3	17.8
50°-60°	363.3	11.6
60°-70°	146.0	4.7
70°-80°	16.7	0.5
80°-90°	0.5	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°	1384.3	44.4
0°-40°	2038.2	65.3
0°-60°	2955.8	94.8
0°-90°	3119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3119.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2227	
5°	2168	202
15°	1837	515
25°	1457	667
35°	1039	654
45°	722	554
55°	404	363
65°	142	146
75°	7	17
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2227.1
2.5°	2209.8
5°	2168.3
7.5°	2099.3
10°	2013.0
12.5°	1919.7
15°	1836.9
17.5°	1747.2
20°	1657.4
22.5°	1560.7
25°	1457.1
27.5°	1350.0
30°	1239.6
32.5°	1136.0
35°	1039.3
37.5°	959.9
40°	873.5
42.5°	797.6
45°	721.7
47.5°	642.2
50°	562.8
52.5°	483.4
55°	404.0
57.5°	331.5
60°	262.4
62.5°	200.2
65°	141.6
67.5°	93.2
70°	55.2
72.5°	24.1
75°	6.9
77.5°	3.4
80°	3.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)