

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: P857701

Luminaire Tested: **LX4C30D010 EX4C309030 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P857701
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 EX4C309030 4LBSLI
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

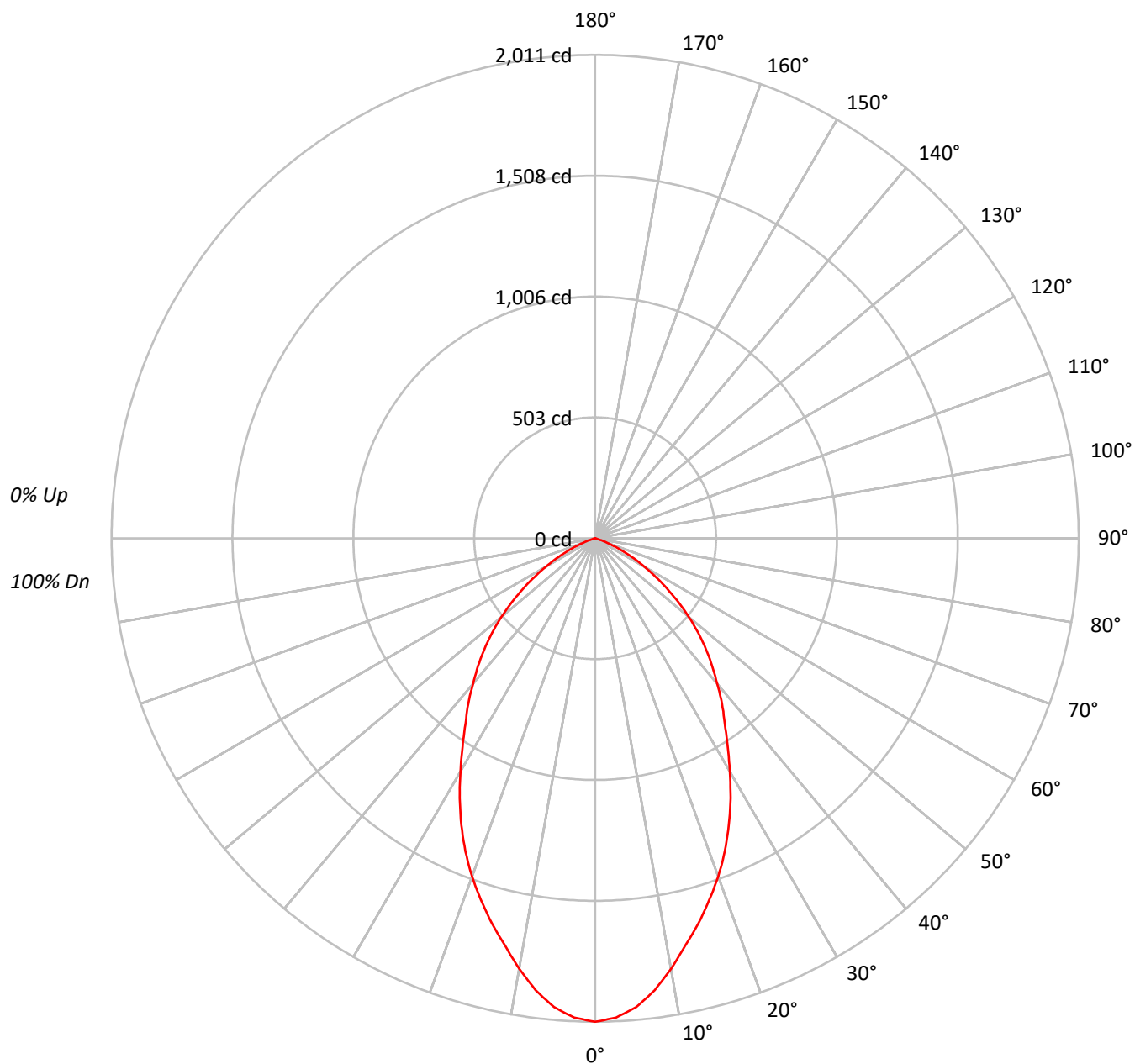
Lumens per Lamp: N/A
Luminaire Lumens: 2816.8 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	104	98	93	88	102	96	91	87	93	89	85		90	86	84		87
3	97	89	82	77	95	87	81	77	84	79	75		82	78	74		79
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73
5	84	73	66	61	82	72	65	60	70	64	60		69	63	59		67
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62
7	74	62	54	49	72	61	54	49	60	53	49		58	53	48		57
8	69	57	50	45	68	57	50	45	55	49	45		54	49	44		53
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	247095
5°	241503
10°	226781
15°	211004
20°	195675
25°	178389
30°	158811
35°	140783
40°	126519
45°	113227
50°	97149
55°	78157
60°	58208
65°	37180
70°	17888
75°	2990
80°	2193
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	6.5
10°-20°	465.1	16.5
20°-30°	602.7	21.4
30°-40°	590.6	21.0
40°-50°	500.5	17.8
50°-60°	328.2	11.6
60°-70°	131.9	4.7
70°-80°	15.1	0.5
80°-90°	0.4	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°	1250.2	44.4
0°-40°	1840.8	65.3
0°-60°	2669.5	94.8
0°-90°	2816.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2816.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2011	
5°	1958	182
15°	1659	465
25°	1316	603
35°	939	591
45°	652	501
55°	365	328
65°	128	132
75°	6	15
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2011.3
2.5°	1995.7
5°	1958.3
7.5°	1895.9
10°	1817.9
12.5°	1733.8
15°	1659.0
17.5°	1577.9
20°	1496.7
22.5°	1409.5
25°	1316.0
27.5°	1219.2
30°	1119.5
32.5°	1025.9
35°	938.7
37.5°	867.0
40°	788.9
42.5°	720.3
45°	651.7
47.5°	580.0
50°	508.3
52.5°	436.6
55°	364.9
57.5°	299.4
60°	236.9
62.5°	180.8
65°	127.9
67.5°	84.2
70°	49.8
72.5°	21.8
75°	6.3
77.5°	3.1
80°	3.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)