

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: P858053

Luminaire Tested: **LX4C40D010 EX4C409850 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P858053
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: LX4C40D010 EX4C409850 4LBSLI
Description:
Light Source: -
Ballast/Driver: -

Summary

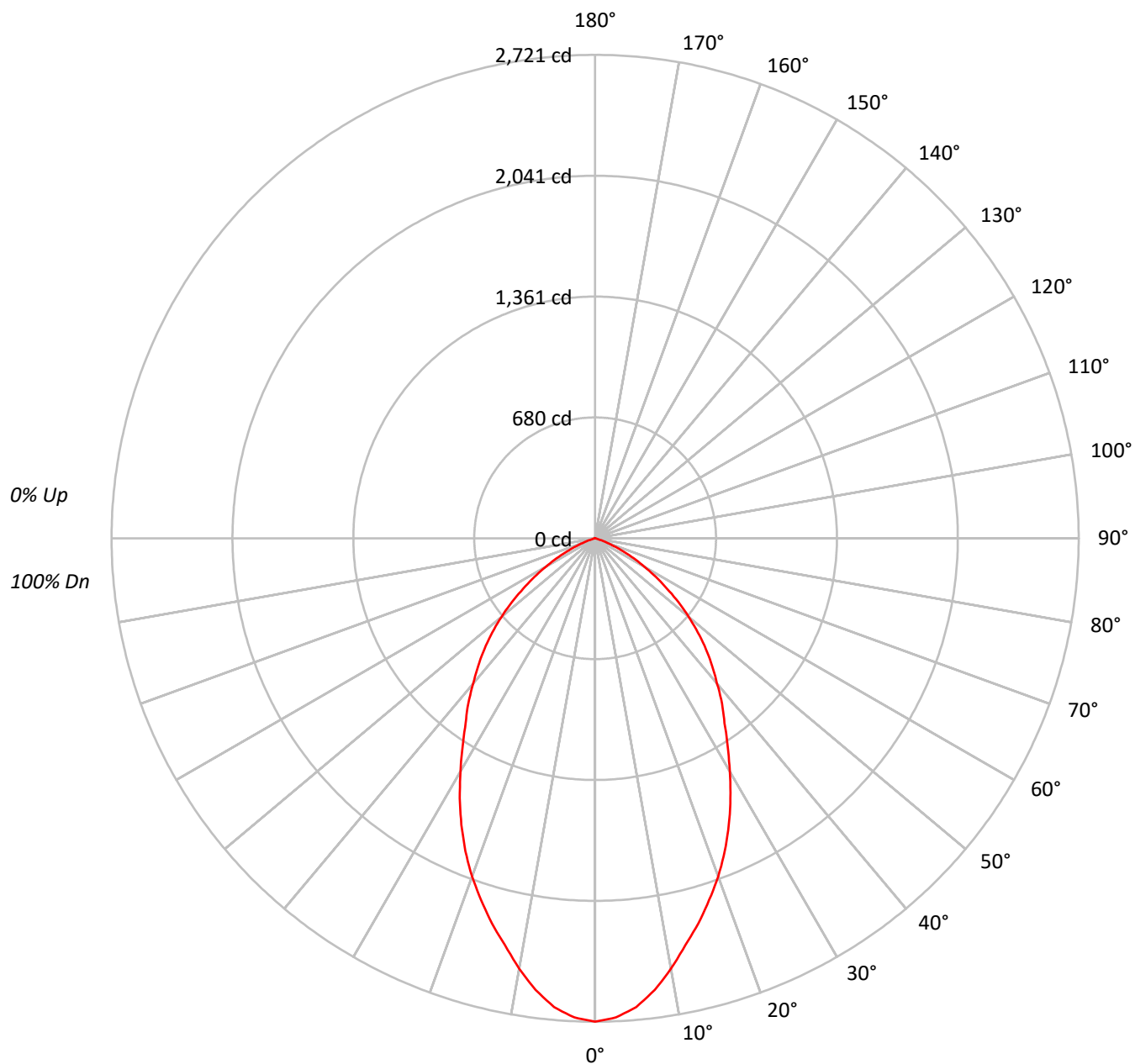
Lumens per Lamp: N/A
Luminaire Lumens: 3810.4 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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

TEST NUMBER: P858053

CATALOG NUMBER: LX4C40D010 EX4C409850 4LBSLI

Luminous Intensity Polar Plot





TEST NUMBER: P858053

CATALOG NUMBER: LX4C40D010 EX4C409850 4LBSLI

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°	334260
5°	326682
10°	306782
15°	285421
20°	264718
25°	241299
30°	214831
35°	190425
40°	171135
45°	153187
50°	131399
55°	105702
60°	78774
65°	50290
70°	24210
75°	4035
80°	2971
85°	0



TEST NUMBER: P858053

CATALOG NUMBER: LX4C40D010 EX4C409850 4LBSLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.7	6.5
10°-20°	629.2	16.5
20°-30°	815.3	21.4
30°-40°	798.8	21.0
40°-50°	677.1	17.8
50°-60°	443.9	11.6
60°-70°	178.4	4.7
70°-80°	20.4	0.5
80°-90°	0.6	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°	1691.2	44.4
0°-40°	2490.0	65.3
0°-60°	3611.0	94.8
0°-90°	3810.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3810.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2721	
5°	2649	247
15°	2244	629
25°	1780	815
35°	1270	799
45°	882	677
55°	494	444
65°	173	178
75°	8	20
85°	0	1
90°	0	



TEST NUMBER: P858053

CATALOG NUMBER: LX4C40D010 EX4C409850 4LBSLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2720.8
2.5°	2699.7
5°	2649.0
7.5°	2564.6
10°	2459.2
12.5°	2345.3
15°	2244.1
17.5°	2134.5
20°	2024.8
22.5°	1906.6
25°	1780.1
27.5°	1649.3
30°	1514.4
32.5°	1387.8
35°	1269.7
37.5°	1172.7
40°	1067.1
42.5°	974.4
45°	881.7
47.5°	784.6
50°	687.5
52.5°	590.6
55°	493.5
57.5°	404.9
60°	320.6
62.5°	244.6
65°	173.0
67.5°	113.9
70°	67.4
72.5°	29.5
75°	8.5
77.5°	4.2
80°	4.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)