

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: P857687

Luminaire Tested: **LX4C30D010 EX4C309030 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C30D010 EX4C309030 4LBSH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

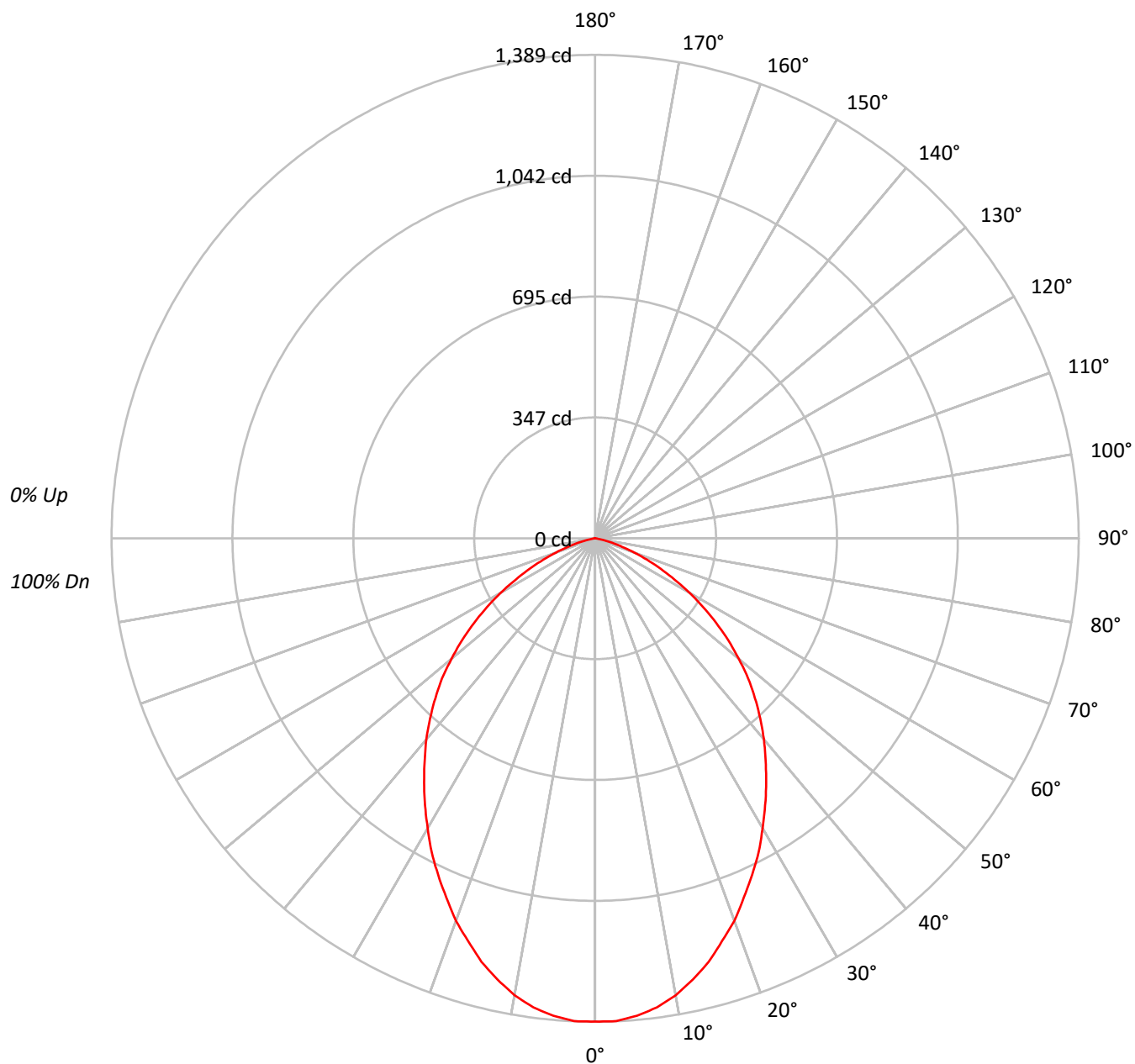
Lumens per Lamp: N/A
Luminaire Lumens: 2655.1 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P857687

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P857687

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBSH

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	111	107	104	101	108	105	102	99	101	98	96		97	95	93		93
2	102	96	90	85	100	94	88	84	90	86	82		87	83	80		84
3	95	85	78	73	92	84	77	72	81	75	71		78	74	70		76
4	87	77	69	63	85	75	68	63	73	67	62		71	65	61		69
5	81	69	61	55	79	68	61	55	66	60	55		64	59	54		63
6	75	63	55	49	73	62	54	49	60	54	49		59	53	48		57
7	70	58	50	44	68	57	49	44	55	49	44		54	48	43		53
8	65	53	45	40	64	52	45	40	51	44	39		50	44	39		49
9	61	49	41	36	60	48	41	36	47	40	36		46	40	36		45
10	58	45	38	33	56	45	38	33	44	37	33		43	37	33		42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170594
5°	169815
10°	166302
15°	160256
20°	152872
25°	144636
30°	136440
35°	128455
40°	120954
45°	112758
50°	102807
55°	90795
60°	76857
65°	60349
70°	43068
75°	23591
80°	4174
85°	0



TEST NUMBER: P857687

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	4.9
10°-20°	353.5	13.3
20°-30°	490.9	18.5
30°-40°	535.7	20.2
40°-50°	499.8	18.8
50°-60°	379.4	14.3
60°-70°	207.7	7.8
70°-80°	57.2	2.2
80°-90°	0.8	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°	974.5	36.7
0°-40°	1510.3	56.9
0°-60°	2389.4	90.0
0°-90°	2655.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2655.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1389	
5°	1377	130
15°	1260	354
25°	1067	491
35°	856	536
45°	649	500
55°	424	379
65°	208	208
75°	50	57
85°	0	1
90°	0	



TEST NUMBER: P857687

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1388.6
2.5°	1388.6
5°	1377.0
7.5°	1359.4
10°	1333.1
12.5°	1298.0
15°	1260.0
17.5°	1213.3
20°	1169.3
22.5°	1116.7
25°	1067.0
27.5°	1017.3
30°	961.8
32.5°	909.1
35°	856.5
37.5°	803.9
40°	754.2
42.5°	701.6
45°	649.0
47.5°	596.3
50°	537.9
52.5°	482.4
55°	423.9
57.5°	368.4
60°	312.8
62.5°	257.3
65°	207.6
67.5°	160.7
70°	119.9
72.5°	81.9
75°	49.7
77.5°	23.4
80°	5.9
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)