

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: P857513

Luminaire Tested: **LX4C30D010 EX4C309027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C30D010 EX4C309027 4LBMDH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

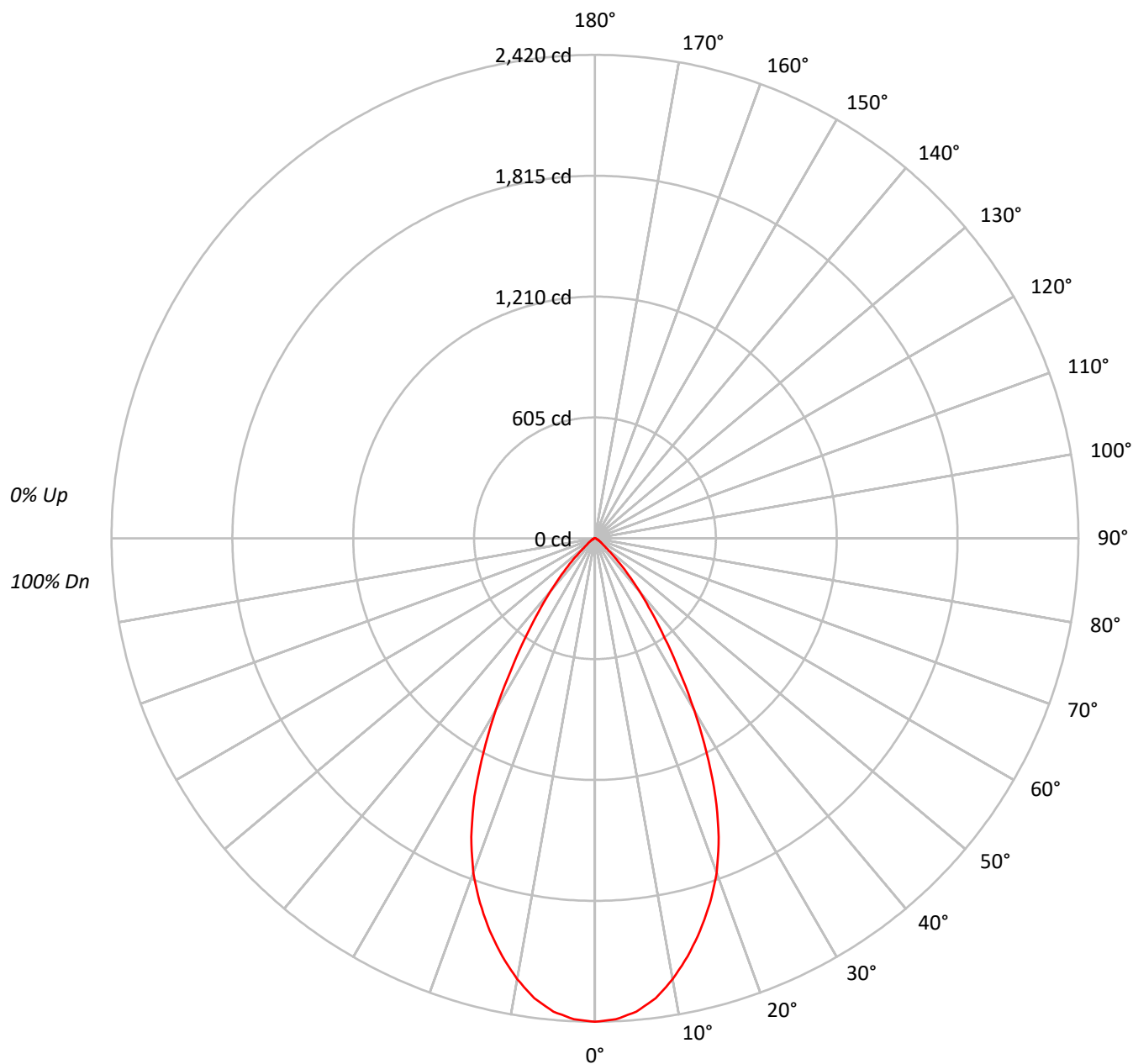
Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P857513

CATALOG NUMBER: LX4C30D010 EX4C309027 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P857513

CATALOG NUMBER: LX4C30D010 EX4C309027 4LBMDH

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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	63	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297342
5°	293323
10°	279562
15°	258699
20°	232870
25°	193462
30°	140639
35°	91156
40°	55169
45°	28441
50°	12882
55°	7754
60°	5209
65°	3721
70°	2802
75°	1851
80°	1203
85°	846



TEST NUMBER: P857513

CATALOG NUMBER: LX4C30D010 EX4C309027 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.7	11.1
10°-20°	567.6	28.3
20°-30°	641.8	31.9
30°-40°	387.9	19.3
40°-50°	135.9	6.8
50°-60°	34.8	1.7
60°-70°	13.3	0.7
70°-80°	4.5	0.2
80°-90°	0.7	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°	1432.0	71.3
0°-40°	1819.9	90.6
0°-60°	1990.5	99.1
0°-90°	2009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2420	
5°	2378	223
15°	2034	568
25°	1427	642
35°	608	388
45°	164	136
55°	36	35
65°	13	13
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P857513

CATALOG NUMBER: LX4C30D010 EX4C309027 4LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2420.3
2.5°	2410.2
5°	2378.5
7.5°	2322.3
10°	2241.0
12.5°	2143.1
15°	2034.0
17.5°	1914.3
20°	1781.2
22.5°	1618.1
25°	1427.2
27.5°	1208.5
30°	991.4
32.5°	783.7
35°	607.8
37.5°	460.9
40°	344.0
42.5°	247.1
45°	163.7
47.5°	100.8
50°	67.4
52.5°	48.4
55°	36.2
57.5°	27.8
60°	21.2
62.5°	16.7
65°	12.8
67.5°	10.0
70°	7.8
72.5°	5.6
75°	3.9
77.5°	2.8
80°	1.7
82.5°	1.1
85°	0.6
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)