

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: P857698

Luminaire Tested: **LX4C30D010 EX4C309030 4LBNH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C30D010 EX4C309030 4LBNH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBN TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

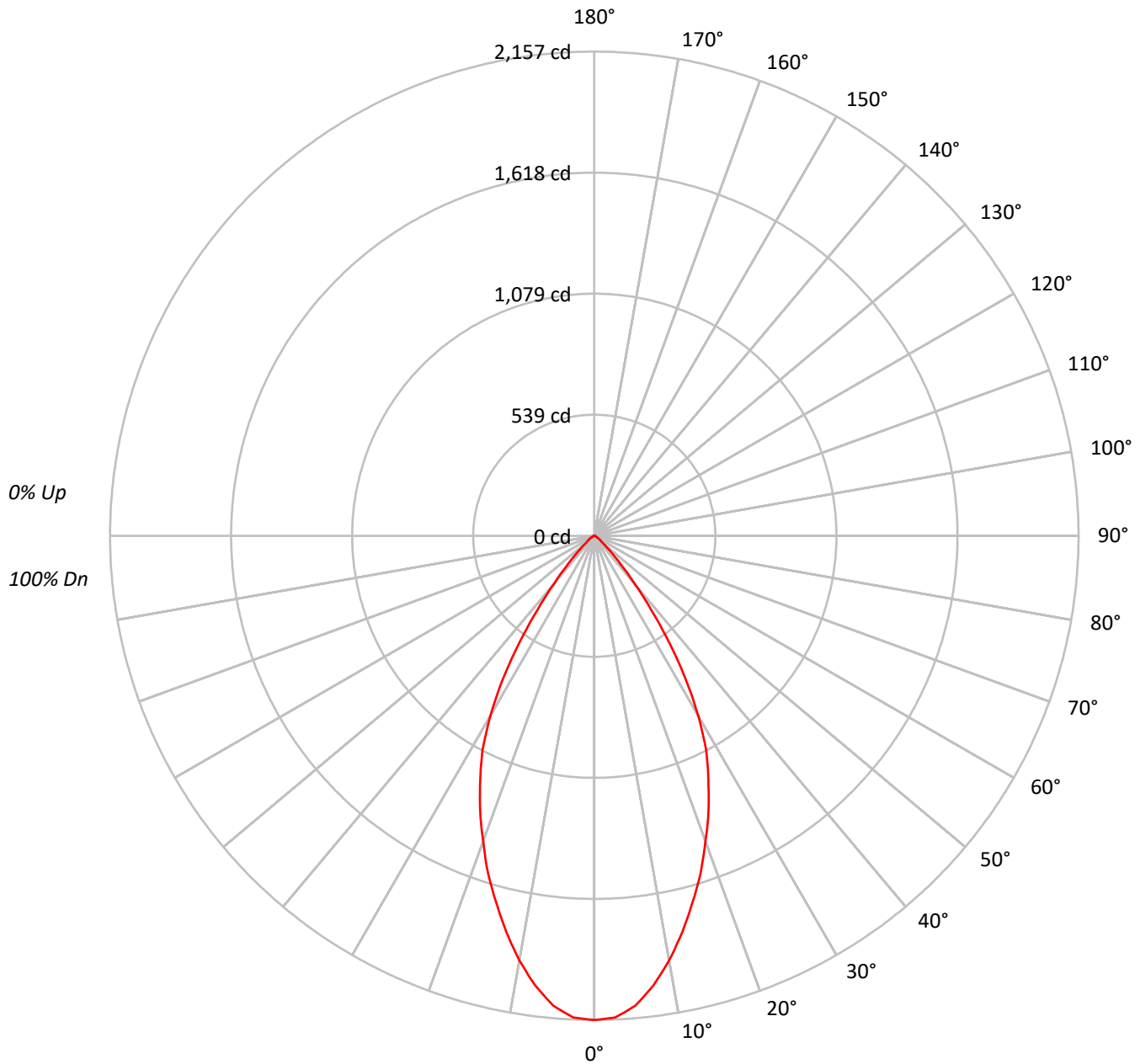
Lumens per Lamp: N/A
Luminaire Lumens: 1718.2 lumens
Efficiency: N/A
Efficacy: 49.1 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P857698

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBNH

Luminous Intensity Polar Plot





TEST NUMBER: P857698

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBNH

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	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		83
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78
6	88	79	73	69	86	78	72	68	77	72	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	64	60	68	63	59		67	63	59		66
9	76	66	60	56	74	65	60	56	65	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°	265032
5°	259126
10°	239592
15°	214985
20°	189256
25°	162868
30°	131149
35°	87301
40°	45418
45°	20554
50°	8926
55°	5997
60°	3858
65°	2733
70°	2263
75°	1471
80°	0
85°	0



TEST NUMBER: P857698

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBNH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	11.3
10°-20°	472.1	27.5
20°-30°	548.2	31.9
30°-40°	363.0	21.1
40°-50°	101.8	5.9
50°-60°	25.6	1.5
60°-70°	9.6	0.6
70°-80°	3.3	0.2
80°-90°	0.0	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°	1214.9	70.7
0°-40°	1577.9	91.8
0°-60°	1705.3	99.2
0°-90°	1718.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1718.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2157	
5°	2101	195
15°	1690	472
25°	1202	548
35°	582	363
45°	118	102
55°	28	26
65°	9	10
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P857698

CATALOG NUMBER: LX4C30D010 EX4C309030 4LBNH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2157.3
2.5°	2147.9
5°	2101.2
7.5°	2020.2
10°	1920.6
12.5°	1808.5
15°	1690.3
17.5°	1575.1
20°	1447.6
22.5°	1329.2
25°	1201.5
27.5°	1080.3
30°	924.5
32.5°	759.5
35°	582.1
37.5°	417.2
40°	283.2
42.5°	183.6
45°	118.3
47.5°	71.7
50°	46.7
52.5°	34.2
55°	28.0
57.5°	21.8
60°	15.7
62.5°	12.4
65°	9.4
67.5°	6.3
70°	6.3
72.5°	3.1
75°	3.1
77.5°	3.1
80°	0.0
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)