

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: P857597

Luminaire Tested: **LX4C30D010 EX4C309050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857597
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 EX4C309050 4LBMDH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

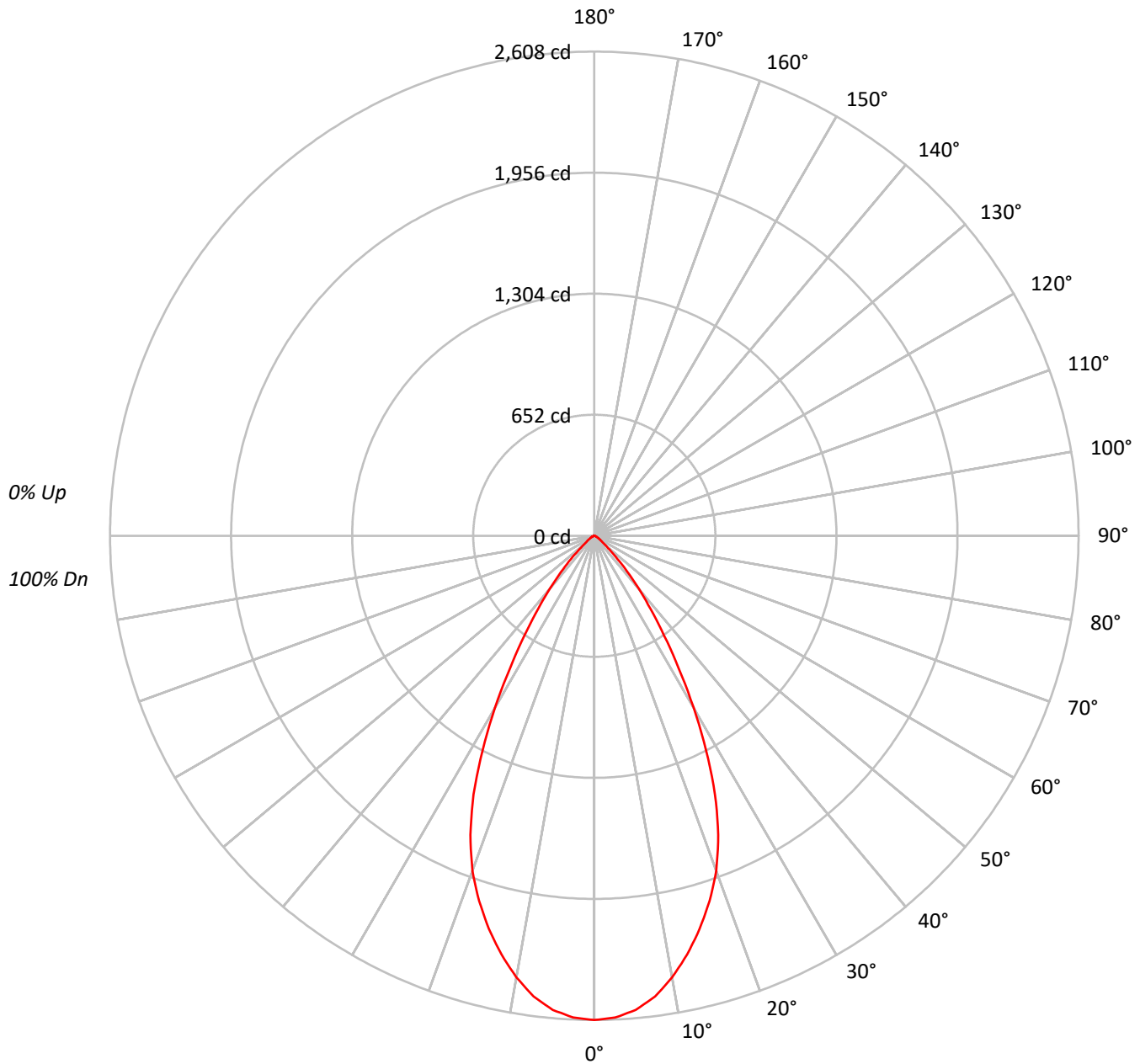
Lumens per Lamp: N/A
Luminaire Lumens: 2165.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	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°	320426
5°	316101
10°	301268
15°	278782
20°	250965
25°	208482
30°	151562
35°	98235
40°	59451
45°	30648
50°	13876
55°	8353
60°	5602
65°	4012
70°	3017
75°	1994
80°	1273
85°	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	11.1
10°-20°	611.6	28.3
20°-30°	691.6	31.9
30°-40°	418.0	19.3
40°-50°	146.4	6.8
50°-60°	37.5	1.7
60°-70°	14.4	0.7
70°-80°	4.8	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°	1543.2	71.3
0°-40°	1961.2	90.6
0°-60°	2145.1	99.1
0°-90°	2165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2165.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2608	
5°	2563	240
15°	2192	612
25°	1538	692
35°	655	418
45°	176	146
55°	39	37
65°	14	14
75°	4	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2608.2
2.5°	2597.4
5°	2563.2
7.5°	2502.6
10°	2415.0
12.5°	2309.5
15°	2191.9
17.5°	2062.9
20°	1919.6
22.5°	1743.8
25°	1538.0
27.5°	1302.3
30°	1068.4
32.5°	844.6
35°	655.0
37.5°	496.7
40°	370.7
42.5°	266.3
45°	176.4
47.5°	108.6
50°	72.6
52.5°	52.2
55°	39.0
57.5°	30.0
60°	22.8
62.5°	18.0
65°	13.8
67.5°	10.8
70°	8.4
72.5°	6.0
75°	4.2
77.5°	3.0
80°	1.8
82.5°	1.2
85°	0.6
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)