

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: P858086

Luminaire Tested: **LX4C40D010 EX4C409030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858086
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: LX4C40D010 EX4C409030 4LBMDH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

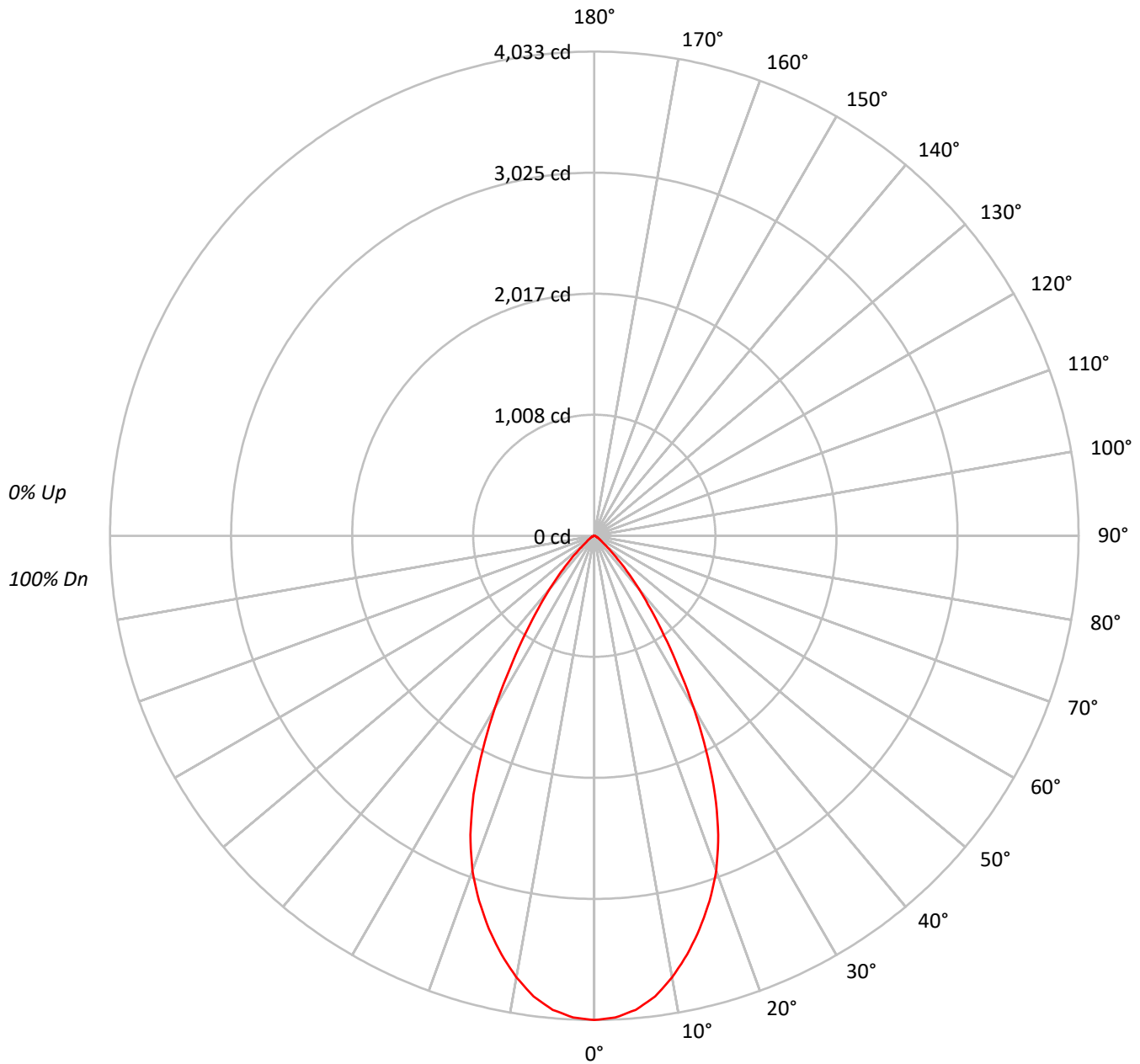
Lumens per Lamp: N/A
Luminaire Lumens: 3347.9 lumens
Efficiency: N/A
Efficacy: 51.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 65
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	90	84	80		95	88	83	79		86	82	78		84	80	77		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	71	67		74	70	67
7	83	74	68	64		82	73	68	64		72	67	63		71	66	63		70	66	63
8	79	70	64	60		78	69	63	60		68	63	59		67	62	59		66	62	59
9	76	66	60	56		74	65	60	56		64	59	56		64	59	56		63	58	55
10	72	62	57	53		71	62	56	53		61	56	53		60	56	52		60	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	495505
5°	488814
10°	465874
15°	431089
20°	388069
25°	322401
30°	234351
35°	151911
40°	91942
45°	47379
50°	21463
55°	12894
60°	8649
65°	6192
70°	4670
75°	3085
80°	1981
85°	1269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.1	11.1
10°-20°	945.8	28.3
20°-30°	1069.5	31.9
30°-40°	646.4	19.3
40°-50°	226.4	6.8
50°-60°	57.9	1.7
60°-70°	22.2	0.7
70°-80°	7.5	0.2
80°-90°	1.1	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°	2386.4	71.3
0°-40°	3032.8	90.6
0°-60°	3317.1	99.1
0°-90°	3347.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3347.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4033	
5°	3964	371
15°	3389	946
25°	2378	1070
35°	1013	646
45°	273	226
55°	60	58
65°	21	22
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4033.3
2.5°	4016.5
5°	3963.7
7.5°	3869.9
10°	3734.5
12.5°	3571.4
15°	3389.4
17.5°	3190.1
20°	2968.3
22.5°	2696.6
25°	2378.4
27.5°	2013.9
30°	1652.0
32.5°	1306.1
35°	1012.9
37.5°	768.1
40°	573.3
42.5°	411.9
45°	272.7
47.5°	167.8
50°	112.3
52.5°	80.8
55°	60.2
57.5°	46.3
60°	35.2
62.5°	27.9
65°	21.3
67.5°	16.7
70°	13.0
72.5°	9.3
75°	6.5
77.5°	4.7
80°	2.8
82.5°	1.8
85°	0.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)