

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: P858148

Luminaire Tested: **LX4C45D010 EX4C459035 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858148
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: LX4C45D010 EX4C459035 4LBMDH
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

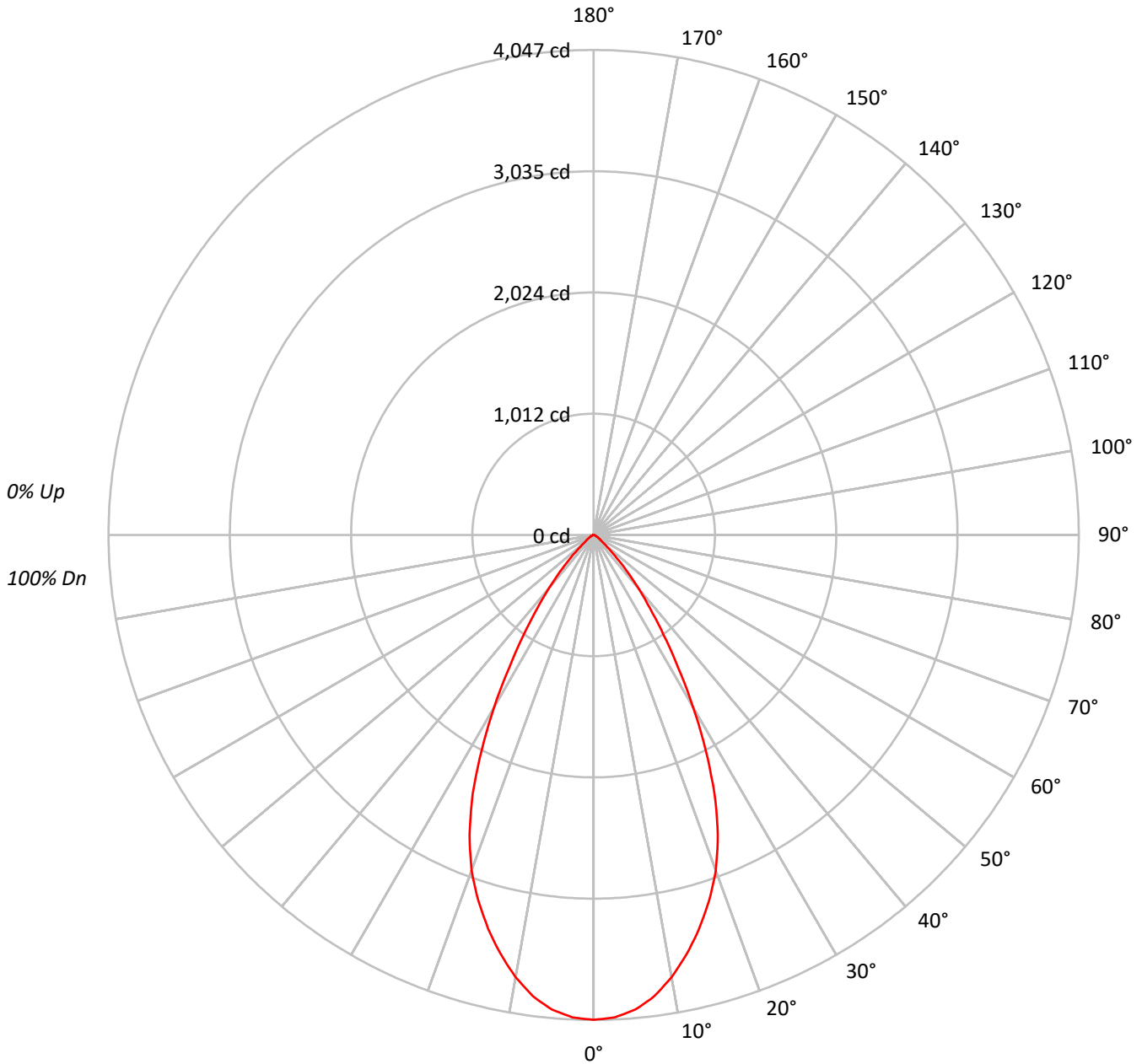
Lumens per Lamp: N/A
Luminaire Lumens: 3359.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
Input Voltage (V):
Input Current (A_{in}): 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: P858148

CATALOG NUMBER: LX4C45D010 EX4C459035 4LBMDH

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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	497139
5°	490430
10°	467421
15°	432526
20°	389364
25°	323472
30°	235131
35°	152421
40°	92247
45°	47536
50°	21521
55°	12958
60°	8698
65°	6221
70°	4670
75°	3085
80°	1981
85°	1269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.3	11.1
10°-20°	949.0	28.3
20°-30°	1073.1	31.9
30°-40°	648.5	19.3
40°-50°	227.2	6.8
50°-60°	58.1	1.7
60°-70°	22.3	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°	2394.3	71.3
0°-40°	3042.8	90.6
0°-60°	3328.1	99.1
0°-90°	3359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3359.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4047	
5°	3977	372
15°	3401	949
25°	2386	1073
35°	1016	649
45°	274	227
55°	60	58
65°	21	22
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4046.6
2.5°	4029.9
5°	3976.8
7.5°	3882.8
10°	3746.9
12.5°	3583.1
15°	3400.7
17.5°	3200.6
20°	2978.2
22.5°	2705.5
25°	2386.3
27.5°	2020.5
30°	1657.5
32.5°	1310.4
35°	1016.3
37.5°	770.6
40°	575.2
42.5°	413.2
45°	273.6
47.5°	168.5
50°	112.6
52.5°	81.0
55°	60.5
57.5°	46.5
60°	35.4
62.5°	27.9
65°	21.4
67.5°	16.8
70°	13.0
72.5°	9.3
75°	6.5
77.5°	4.7
80°	2.8
82.5°	1.9
85°	0.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)