

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: P857421

Luminaire Tested: **LX4C25D010 EX4C259050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857421
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: LX4C25D010 EX4C259050 4LBMDH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

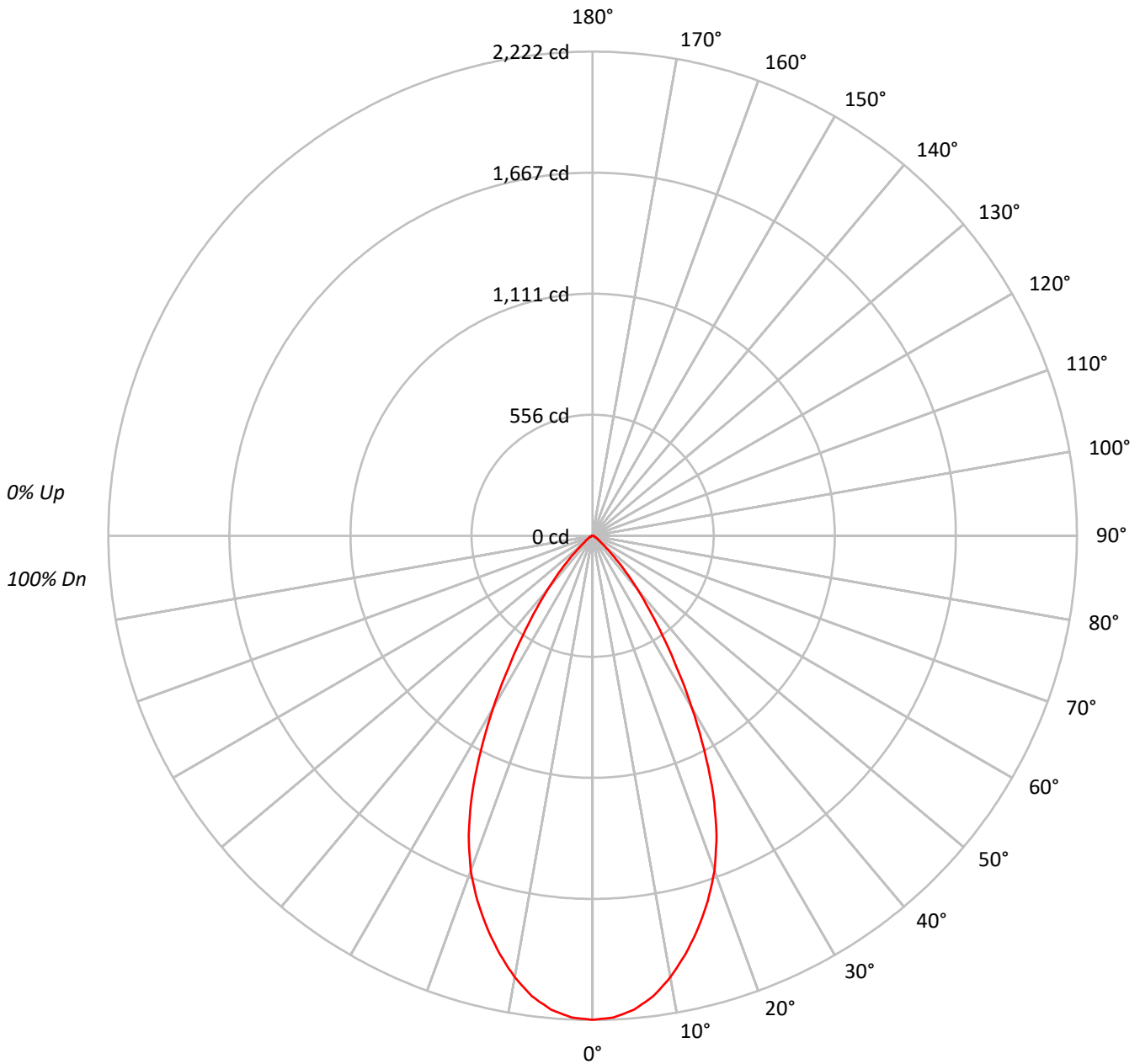
Lumens per Lamp: N/A
Luminaire Lumens: 1844.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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: P857421

CATALOG NUMBER: LX4C25D010 EX4C259050 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°	272919
5°	269238
10°	256608
15°	237446
20°	213743
25°	177575
30°	129077
35°	83672
40°	50630
45°	26096
50°	11812
55°	7111
60°	4767
65°	3430
70°	2586
75°	1709
80°	1061
85°	705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	11.1
10°-20°	521.0	28.3
20°-30°	589.1	31.9
30°-40°	356.0	19.3
40°-50°	124.7	6.8
50°-60°	31.9	1.7
60°-70°	12.2	0.7
70°-80°	4.1	0.2
80°-90°	0.6	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°	1314.4	71.3
0°-40°	1670.4	90.6
0°-60°	1827.0	99.1
0°-90°	1844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1844.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2222	
5°	2183	204
15°	1867	521
25°	1310	589
35°	558	356
45°	150	125
55°	33	32
65°	12	12
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2221.5
2.5°	2212.3
5°	2183.2
7.5°	2131.6
10°	2057.0
12.5°	1967.0
15°	1866.9
17.5°	1757.1
20°	1634.9
22.5°	1485.2
25°	1310.0
27.5°	1109.2
30°	909.9
32.5°	719.4
35°	557.9
37.5°	423.0
40°	315.7
42.5°	226.8
45°	150.2
47.5°	92.5
50°	61.8
52.5°	44.5
55°	33.2
57.5°	25.5
60°	19.4
62.5°	15.3
65°	11.8
67.5°	9.2
70°	7.2
72.5°	5.1
75°	3.6
77.5°	2.6
80°	1.5
82.5°	1.0
85°	0.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)