

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: P857381

Luminaire Tested: **LX4C25D010 EX4C259035 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C25D010 EX4C259035 4LBMH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

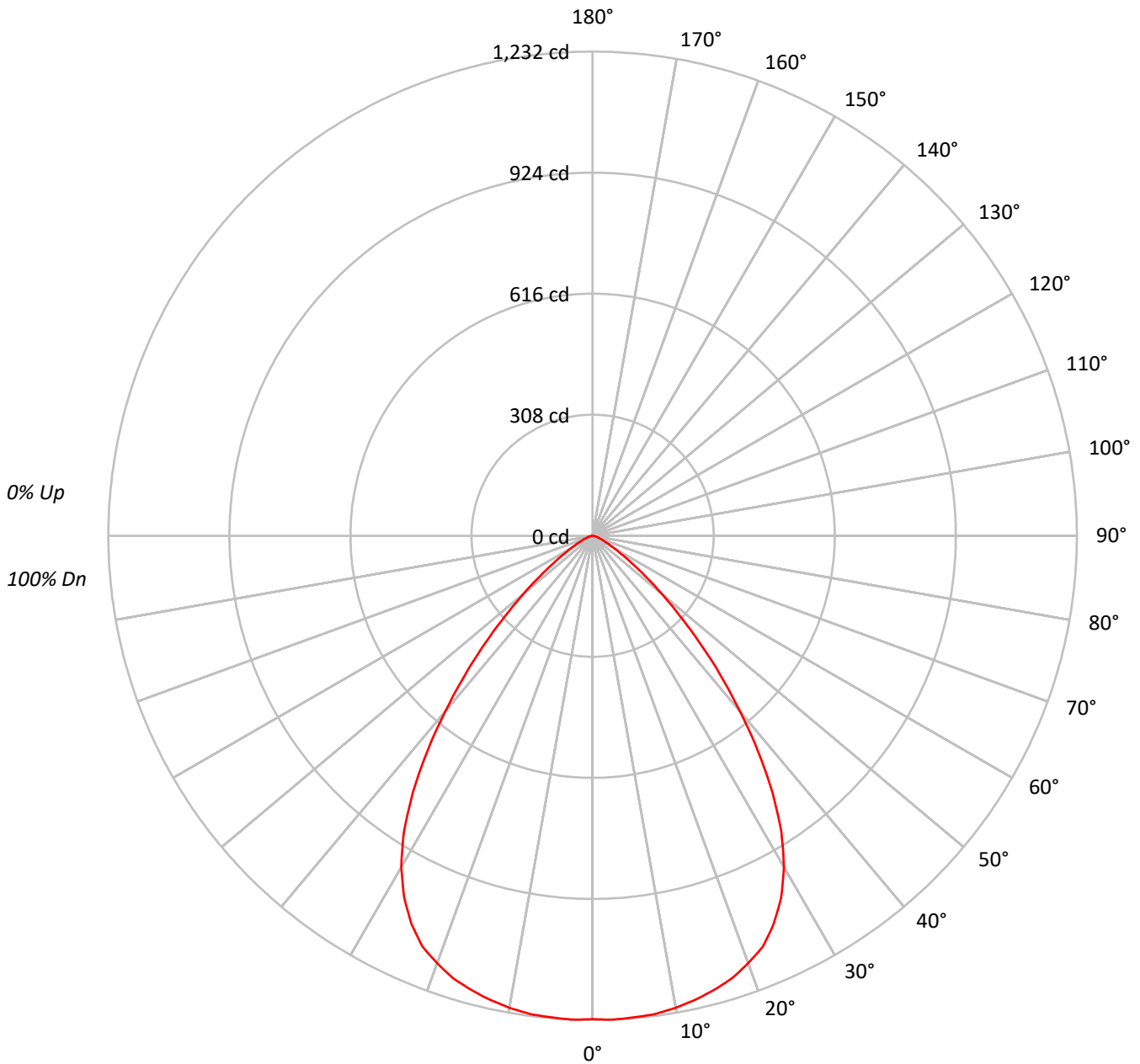
Lumens per Lamp: N/A
Luminaire Lumens: 1908.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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			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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	151085
5°	151662
10°	152131
15°	152129
20°	151303
25°	147754
30°	138100
35°	119591
40°	93418
45°	67029
50°	43539
55°	26067
60°	15258
65°	9796
70°	6502
75°	4937
80°	3679
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	6.1
10°-20°	337.5	17.7
20°-30°	498.0	26.1
30°-40°	491.4	25.8
40°-50°	300.7	15.8
50°-60°	115.3	6.0
60°-70°	36.0	1.9
70°-80°	10.6	0.6
80°-90°	1.4	0.1
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°	952.6	49.9
0°-40°	1444.0	75.7
0°-60°	1860.0	97.5
0°-90°	1908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1230	
5°	1230	117
15°	1196	337
25°	1090	498
35°	797	491
45°	386	301
55°	122	115
65°	34	36
75°	10	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1229.8
2.5°	1232.4
5°	1229.8
7.5°	1227.2
10°	1219.5
12.5°	1209.1
15°	1196.1
17.5°	1180.6
20°	1157.3
22.5°	1131.5
25°	1090.0
27.5°	1038.2
30°	973.5
32.5°	893.3
35°	797.4
37.5°	691.2
40°	582.5
42.5°	481.6
45°	385.8
47.5°	300.3
50°	227.8
52.5°	168.3
55°	121.7
57.5°	85.4
60°	62.1
62.5°	46.6
65°	33.7
67.5°	25.9
70°	18.1
72.5°	13.0
75°	10.4
77.5°	5.2
80°	5.2
82.5°	2.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)