

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: P856876

Luminaire Tested: **LX4C10D010 EX4C109030 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P856876
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: LX4C10D010 EX4C109030 4LBMH
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

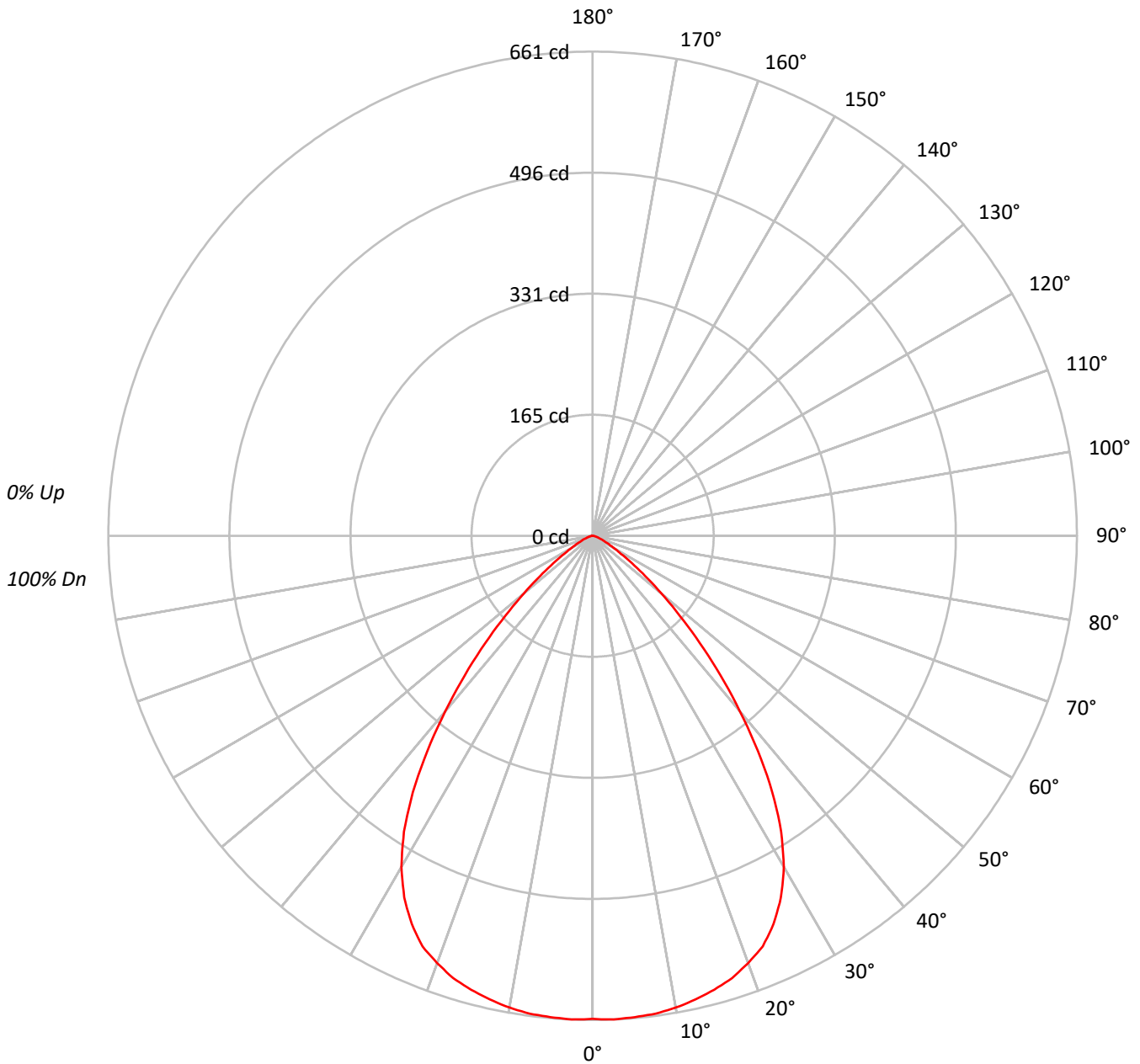
Lumens per Lamp: N/A
Luminaire Lumens: 1023.3 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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: P856876

CATALOG NUMBER: LX4C10D010 EX4C109030 4LBMH

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°	81034
5°	81344
10°	81598
15°	81591
20°	81136
25°	79245
30°	74050
35°	64145
40°	50101
45°	35964
50°	23356
55°	13965
60°	8182
65°	5262
70°	3484
75°	2611
80°	1981
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	6.1
10°-20°	181.0	17.7
20°-30°	267.0	26.1
30°-40°	263.6	25.8
40°-50°	161.3	15.8
50°-60°	61.8	6.0
60°-70°	19.3	1.9
70°-80°	5.6	0.6
80°-90°	0.8	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°	510.8	49.9
0°-40°	774.4	75.7
0°-60°	997.5	97.5
0°-90°	1023.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1023.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	660	
5°	660	63
15°	642	181
25°	585	267
35°	428	264
45°	207	161
55°	65	62
65°	18	19
75°	6	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	659.6
2.5°	661.0
5°	659.6
7.5°	658.1
10°	654.1
12.5°	648.4
15°	641.5
17.5°	633.2
20°	620.6
22.5°	606.8
25°	584.6
27.5°	556.7
30°	522.0
32.5°	479.1
35°	427.7
37.5°	370.7
40°	312.4
42.5°	258.3
45°	207.0
47.5°	161.1
50°	122.2
52.5°	90.3
55°	65.2
57.5°	45.8
60°	33.3
62.5°	25.0
65°	18.1
67.5°	13.9
70°	9.7
72.5°	6.9
75°	5.5
77.5°	2.8
80°	2.8
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)