

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: P856863

Luminaire Tested: **LX4C10D010 EX4C109850 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P856863
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 EX4C109850 4LBMH
Description:
Light Source: -
Ballast/Driver: -

Summary

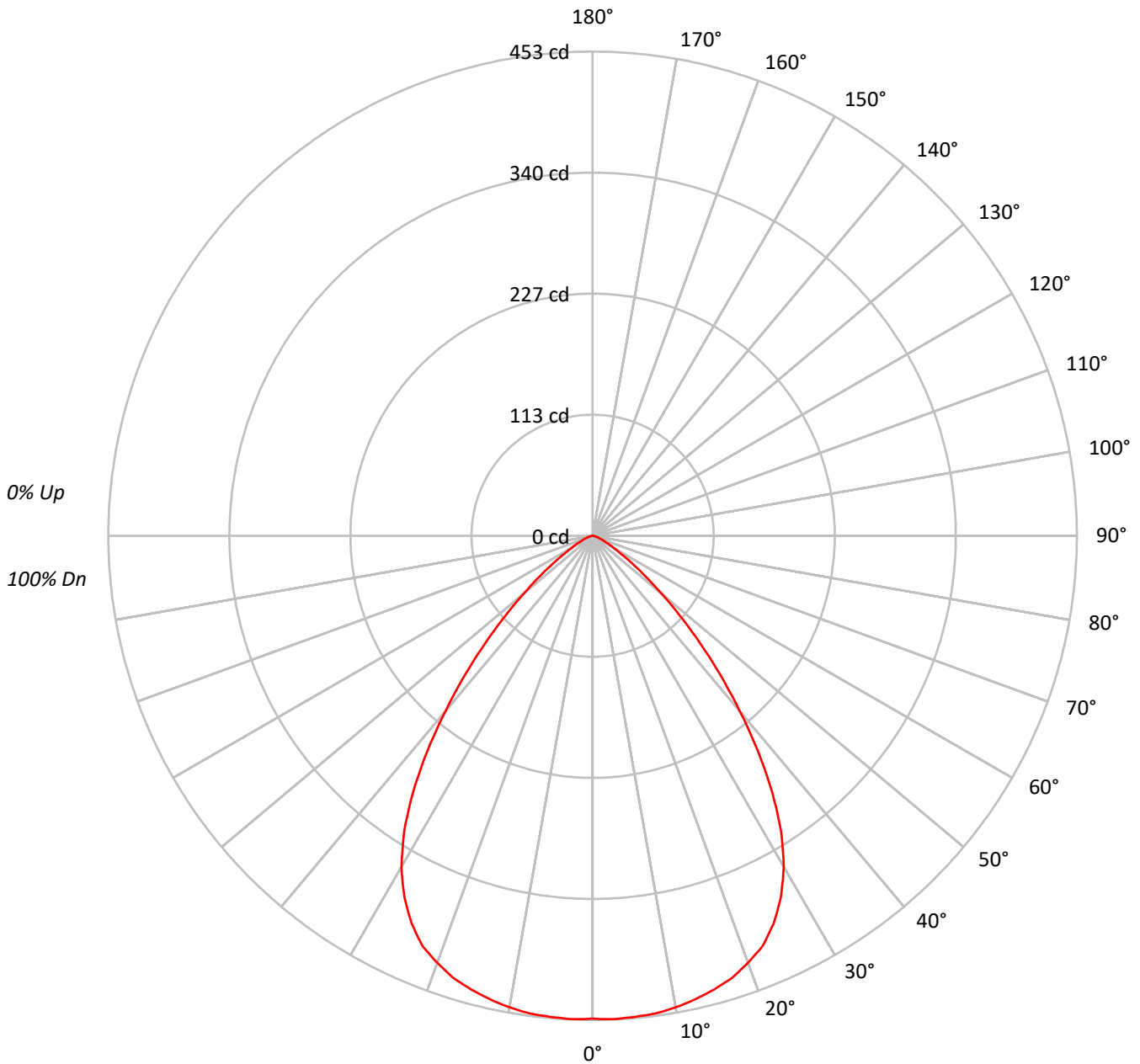
Lumens per Lamp: N/A
Luminaire Lumens: 700.9 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55505
5°	55717
10°	55887
15°	55886
20°	55577
25°	54276
30°	50729
35°	43928
40°	34320
45°	24619
50°	15997
55°	9574
60°	5602
65°	3605
70°	2407
75°	1804
80°	1344
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	6.1
10°-20°	124.0	17.7
20°-30°	182.9	26.1
30°-40°	180.5	25.8
40°-50°	110.5	15.8
50°-60°	42.3	6.0
60°-70°	13.2	1.9
70°-80°	3.9	0.6
80°-90°	0.5	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°	349.9	49.9
0°-40°	530.5	75.7
0°-60°	683.3	97.5
0°-90°	700.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	452	
5°	452	43
15°	439	124
25°	400	183
35°	293	181
45°	142	110
55°	45	42
65°	12	13
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	451.8
2.5°	452.7
5°	451.8
7.5°	450.9
10°	448.0
12.5°	444.2
15°	439.4
17.5°	433.7
20°	425.1
22.5°	415.6
25°	400.4
27.5°	381.4
30°	357.6
32.5°	328.2
35°	292.9
37.5°	254.0
40°	214.0
42.5°	176.9
45°	141.7
47.5°	110.3
50°	83.7
52.5°	61.8
55°	44.7
57.5°	31.4
60°	22.8
62.5°	17.1
65°	12.4
67.5°	9.5
70°	6.7
72.5°	4.7
75°	3.8
77.5°	1.9
80°	1.9
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)