

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: P857282

Luminaire Tested: **LX4C20D010 EX4C209850 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857282
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: LX4C20D010 EX4C209850 4LBMH
Description:
Light Source: -
Ballast/Driver: -

Summary

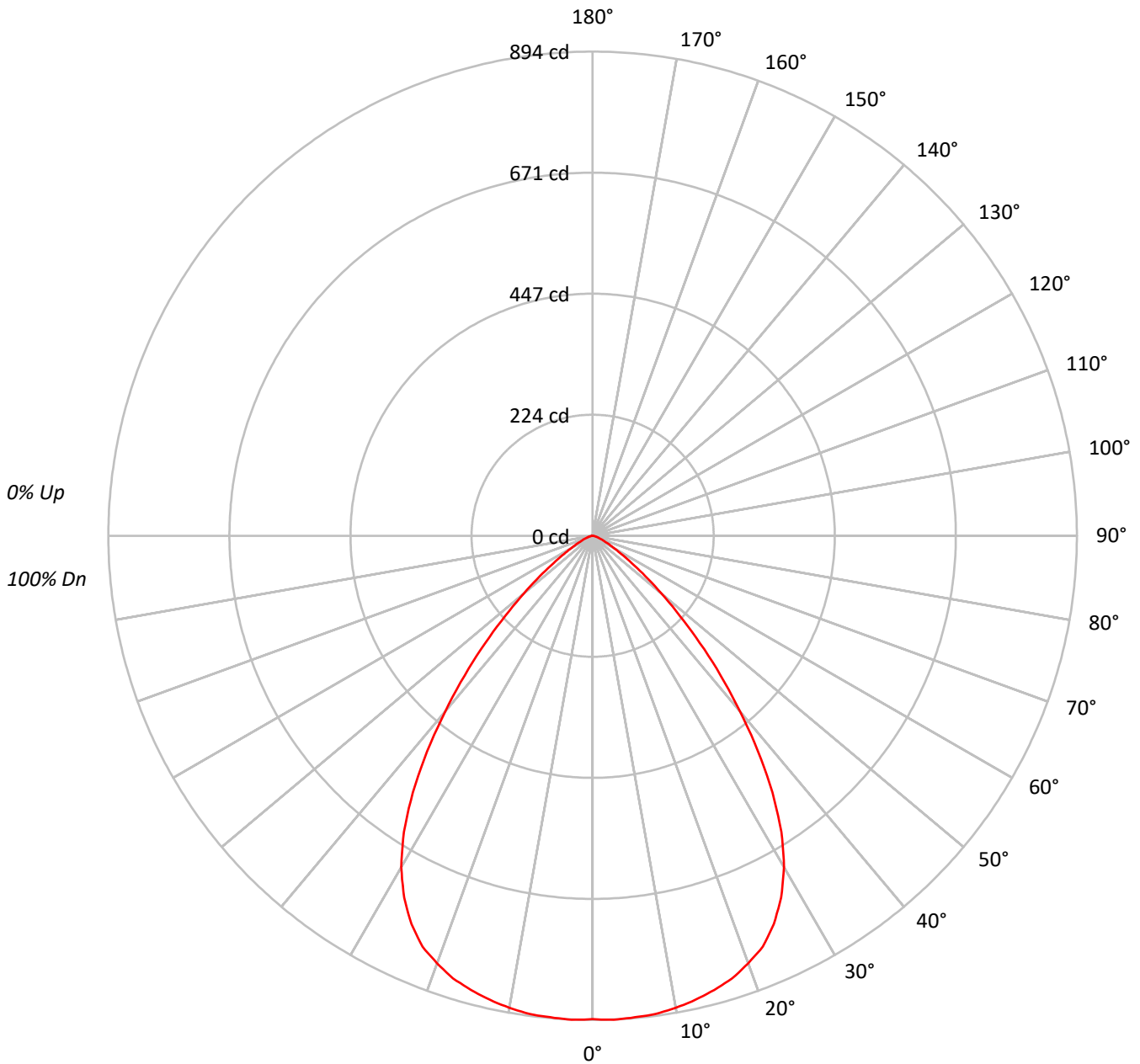
Lumens per Lamp: N/A
Luminaire Lumens: 1384.8 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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°	109659
5°	110078
10°	110415
15°	110424
20°	109807
25°	107250
30°	100238
35°	86791
40°	67806
45°	48647
50°	31593
55°	18913
60°	11057
65°	7093
70°	4741
75°	3560
80°	2618
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	6.1
10°-20°	244.9	17.7
20°-30°	361.4	26.1
30°-40°	356.7	25.8
40°-50°	218.3	15.8
50°-60°	83.7	6.0
60°-70°	26.2	1.9
70°-80°	7.6	0.6
80°-90°	1.0	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°	691.4	49.9
0°-40°	1048.1	75.7
0°-60°	1350.0	97.5
0°-90°	1384.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1384.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	893	
5°	893	85
15°	868	245
25°	791	361
35°	579	357
45°	280	218
55°	88	84
65°	24	26
75°	8	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	892.6
2.5°	894.5
5°	892.6
7.5°	890.8
10°	885.1
12.5°	877.6
15°	868.2
17.5°	856.9
20°	839.9
22.5°	821.2
25°	791.2
27.5°	753.5
30°	706.6
32.5°	648.4
35°	578.7
37.5°	501.7
40°	422.8
42.5°	349.6
45°	280.0
47.5°	217.9
50°	165.3
52.5°	122.2
55°	88.3
57.5°	62.0
60°	45.0
62.5°	33.9
65°	24.4
67.5°	18.8
70°	13.2
72.5°	9.4
75°	7.5
77.5°	3.7
80°	3.7
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)