

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: P858055

Luminaire Tested: **LX4C40D010 EX4C409850 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858055
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: LX4C40D010 EX4C409850 4LBWH
Description:
Light Source: -
Ballast/Driver: -

Summary

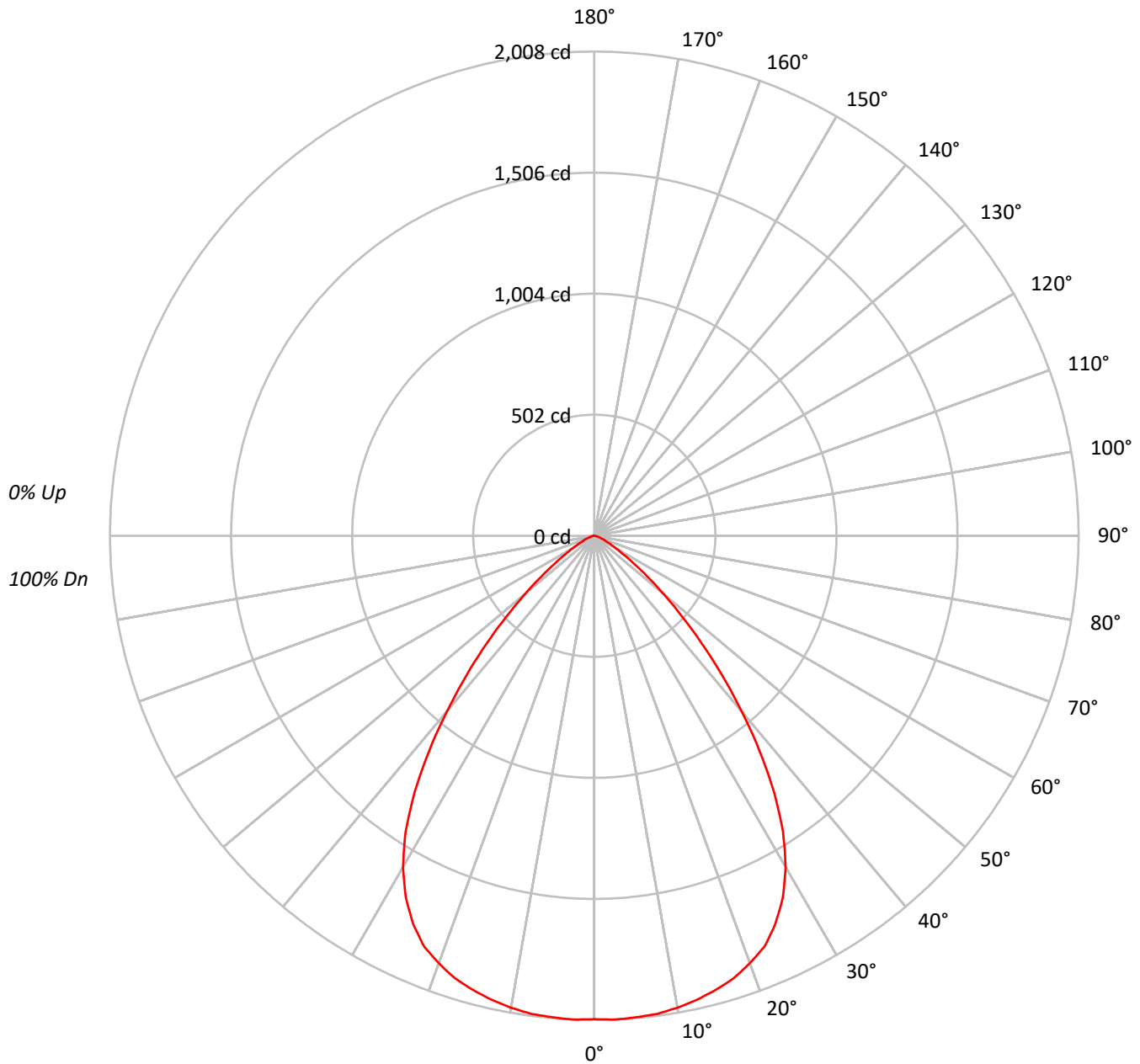
Lumens per Lamp: N/A
Luminaire Lumens: 3109.6 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	246235
5°	247176
10°	247913
15°	247926
20°	246572
25°	240784
30°	225059
35°	194894
40°	152243
45°	109248
50°	70965
55°	42474
60°	24866
65°	15959
70°	10632
75°	8022
80°	6014
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	6.1
10°-20°	550.0	17.7
20°-30°	811.5	26.1
30°-40°	800.9	25.8
40°-50°	490.1	15.8
50°-60°	187.9	6.0
60°-70°	58.8	1.9
70°-80°	17.2	0.6
80°-90°	2.3	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°	1552.4	49.9
0°-40°	2353.2	75.7
0°-60°	3031.2	97.5
0°-90°	3109.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3109.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2004	
5°	2004	191
15°	1949	550
25°	1776	812
35°	1300	801
45°	629	490
55°	198	188
65°	55	59
75°	17	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2004.3
2.5°	2008.5
5°	2004.3
7.5°	2000.0
10°	1987.3
12.5°	1970.5
15°	1949.3
17.5°	1924.0
20°	1886.0
22.5°	1843.9
25°	1776.3
27.5°	1691.9
30°	1586.5
32.5°	1455.8
35°	1299.5
37.5°	1126.5
40°	949.3
42.5°	784.8
45°	628.8
47.5°	489.4
50°	371.3
52.5°	274.3
55°	198.3
57.5°	139.2
60°	101.2
62.5°	76.1
65°	54.9
67.5°	42.3
70°	29.6
72.5°	21.1
75°	16.9
77.5°	8.5
80°	8.5
82.5°	4.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)