

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: P858223

Luminaire Tested: **LX4C45D010 EX4C459830 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858223
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: LX4C45D010 EX4C459830 4LBMH
Description:
Light Source: -
Ballast/Driver: -

Summary

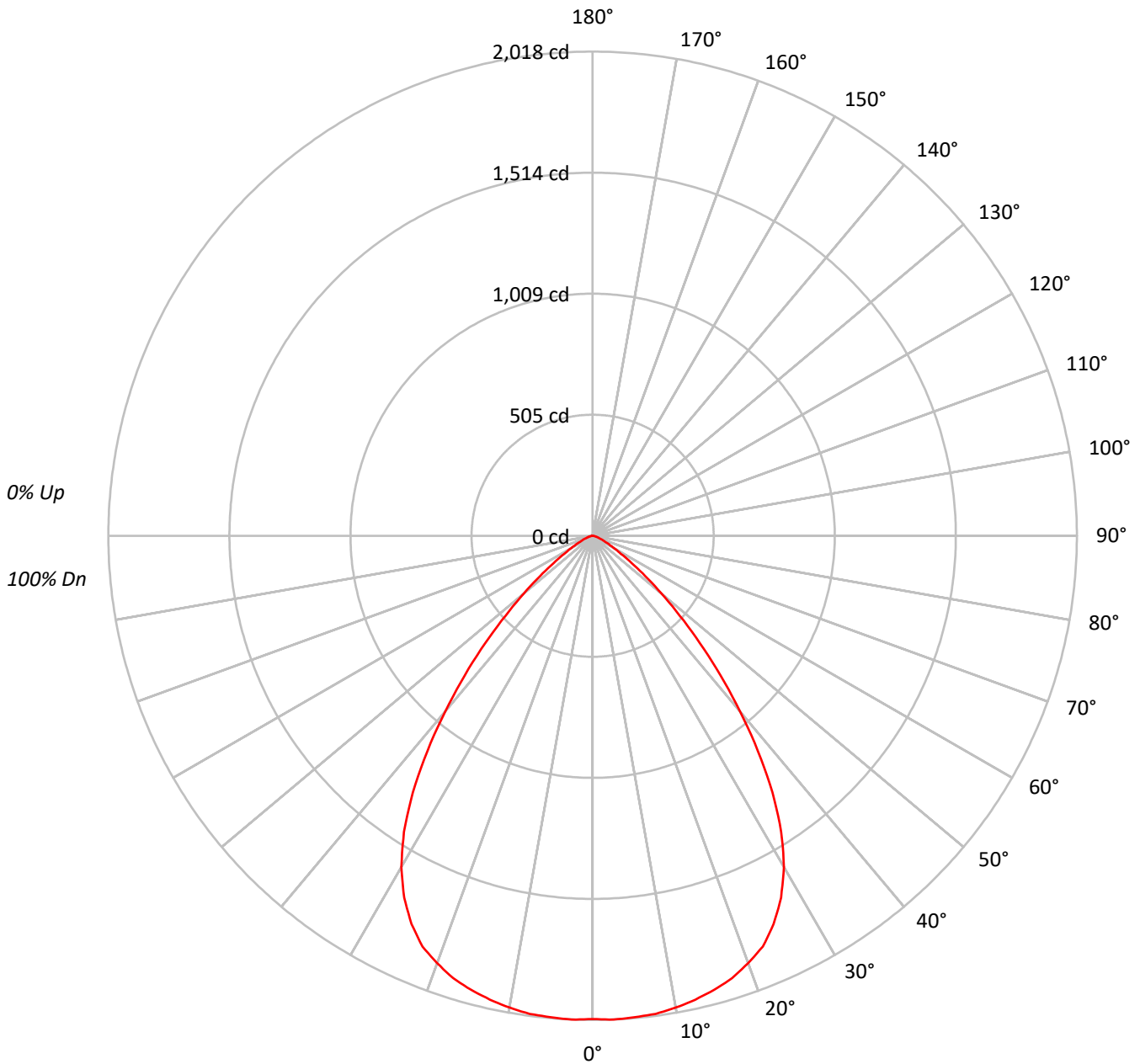
Lumens per Lamp: N/A
Luminaire Lumens: 3124.7 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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									
RC	80									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°	247427
5°	248372
10°	249136
15°	249147
20°	247775
25°	241964
30°	226166
35°	195854
40°	152997
45°	109770
50°	71309
55°	42688
60°	24988
65°	16046
70°	10668
75°	8022
80°	6014
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	6.1
10°-20°	552.7	17.7
20°-30°	815.5	26.1
30°-40°	804.8	25.8
40°-50°	492.5	15.8
50°-60°	188.8	6.0
60°-70°	59.0	1.9
70°-80°	17.3	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°	1560.0	49.9
0°-40°	2364.8	75.7
0°-60°	3046.0	97.5
0°-90°	3124.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3124.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2014	
5°	2014	192
15°	1959	553
25°	1785	816
35°	1306	805
45°	632	492
55°	199	189
65°	55	59
75°	17	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2014.0
2.5°	2018.3
5°	2014.0
7.5°	2009.8
10°	1997.1
12.5°	1980.1
15°	1958.9
17.5°	1933.4
20°	1895.2
22.5°	1853.0
25°	1785.0
27.5°	1700.2
30°	1594.3
32.5°	1462.9
35°	1305.9
37.5°	1132.1
40°	954.0
42.5°	788.7
45°	631.8
47.5°	491.7
50°	373.1
52.5°	275.6
55°	199.3
57.5°	139.8
60°	101.7
62.5°	76.4
65°	55.2
67.5°	42.4
70°	29.7
72.5°	21.2
75°	16.9
77.5°	8.5
80°	8.5
82.5°	4.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)