

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: P858230

Luminaire Tested: **LX4C45D010 EX4C459830 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858230
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 4LBWH
Description:
Light Source: -
Ballast/Driver: -

Summary

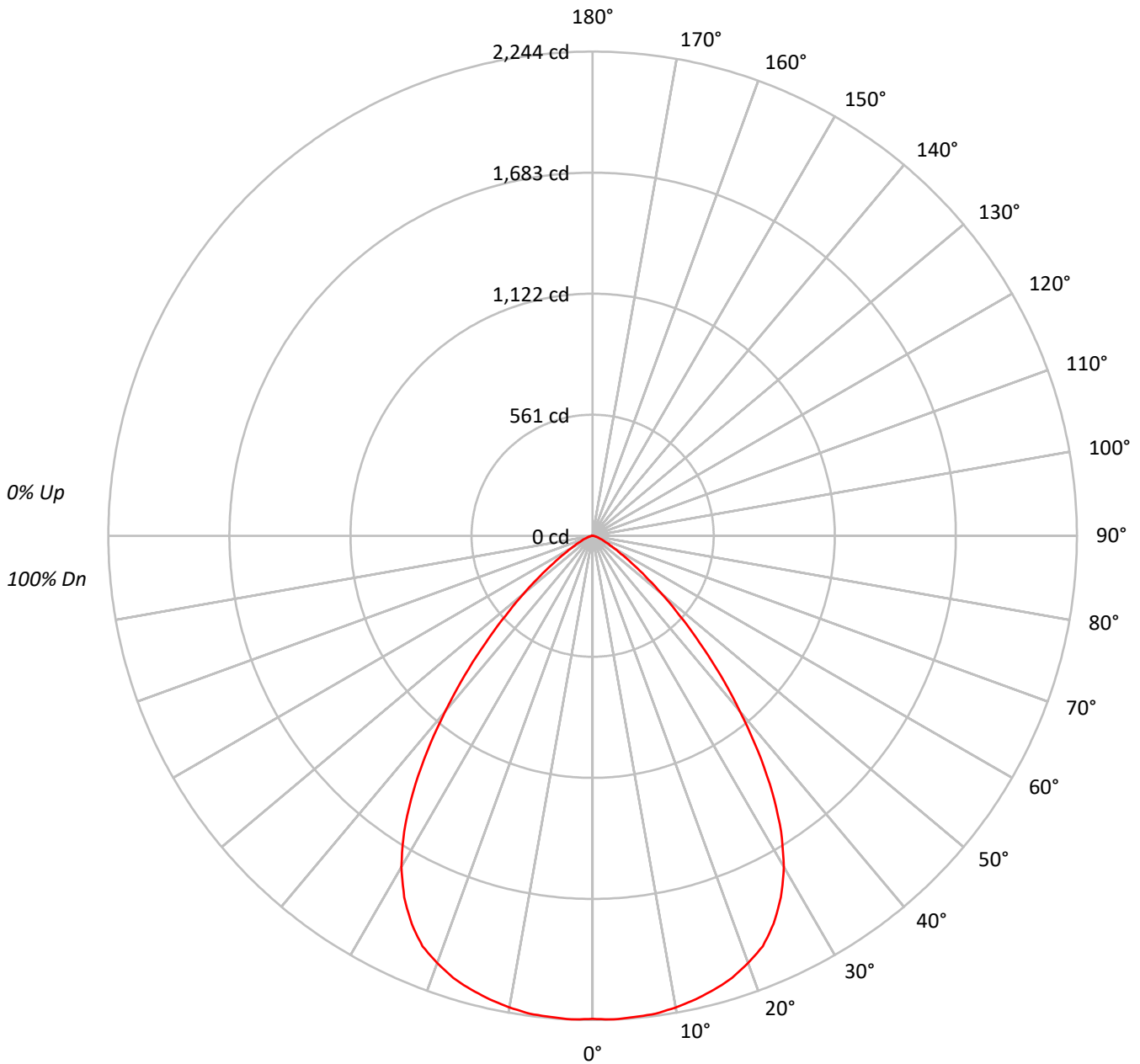
Lumens per Lamp: N/A
Luminaire Lumens: 3473.4 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	275044
5°	276095
10°	276930
15°	276950
20°	275426
25°	268966
30°	251402
35°	217706
40°	170060
45°	122018
50°	79260
55°	47443
60°	27765
65°	17849
70°	11854
75°	8971
80°	6721
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.2	6.1
10°-20°	614.3	17.7
20°-30°	906.5	26.1
30°-40°	894.6	25.8
40°-50°	547.4	15.8
50°-60°	209.8	6.0
60°-70°	65.6	1.9
70°-80°	19.3	0.6
80°-90°	2.6	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°	1734.0	49.9
0°-40°	2628.6	75.7
0°-60°	3385.9	97.5
0°-90°	3473.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3473.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2239	
5°	2239	213
15°	2178	614
25°	1984	907
35°	1452	895
45°	702	547
55°	222	210
65°	61	66
75°	19	19
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2238.8
2.5°	2243.5
5°	2238.8
7.5°	2234.1
10°	2219.9
12.5°	2201.0
15°	2177.5
17.5°	2149.1
20°	2106.7
22.5°	2059.7
25°	1984.2
27.5°	1889.9
30°	1772.2
32.5°	1626.1
35°	1451.6
37.5°	1258.3
40°	1060.4
42.5°	876.7
45°	702.3
47.5°	546.6
50°	414.7
52.5°	306.4
55°	221.5
57.5°	155.4
60°	113.0
62.5°	84.9
65°	61.4
67.5°	47.2
70°	33.0
72.5°	23.6
75°	18.9
77.5°	9.5
80°	9.5
82.5°	4.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)