

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: P858243

Luminaire Tested: **LX4C45D010 EX4C459835 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858243
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 EX4C459835 4LBWH
Description:
Light Source: -
Ballast/Driver: -

Summary

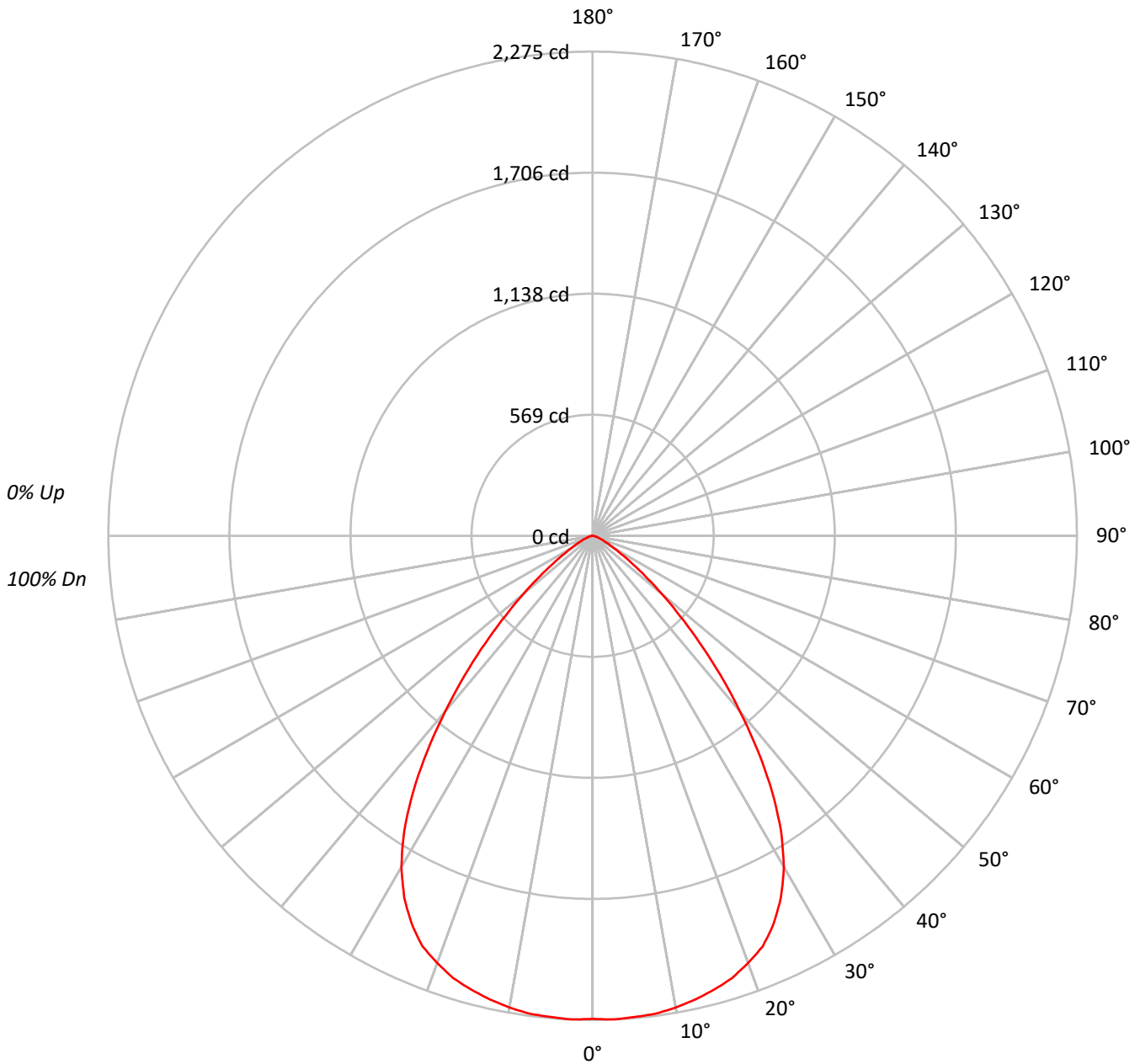
Lumens per Lamp: N/A
Luminaire Lumens: 3521.5 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	278853
5°	279918
10°	280772
15°	280779
20°	279243
25°	272707
30°	254878
35°	220705
40°	172418
45°	123721
50°	80369
55°	48107
60°	28158
65°	18081
70°	11997
75°	9114
80°	6721
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.2	6.1
10°-20°	622.8	17.7
20°-30°	919.1	26.1
30°-40°	907.0	25.8
40°-50°	555.0	15.8
50°-60°	212.8	6.0
60°-70°	66.5	1.9
70°-80°	19.5	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°	1758.1	49.9
0°-40°	2665.1	75.7
0°-60°	3432.9	97.5
0°-90°	3521.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3521.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2270	
5°	2270	216
15°	2208	623
25°	2012	919
35°	1472	907
45°	712	555
55°	225	213
65°	62	67
75°	19	19
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2269.8
2.5°	2274.6
5°	2269.8
7.5°	2265.0
10°	2250.7
12.5°	2231.6
15°	2207.6
17.5°	2179.0
20°	2135.9
22.5°	2088.3
25°	2011.8
27.5°	1916.1
30°	1796.7
32.5°	1648.7
35°	1471.6
37.5°	1275.8
40°	1075.1
42.5°	888.8
45°	712.1
47.5°	554.2
50°	420.5
52.5°	310.7
55°	224.6
57.5°	157.7
60°	114.6
62.5°	86.1
65°	62.2
67.5°	47.8
70°	33.4
72.5°	23.9
75°	19.2
77.5°	9.5
80°	9.5
82.5°	4.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)