

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: P858256

Luminaire Tested: **LX4C45D010 EX4C459840 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858256
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 EX4C459840 4LBWH
Description:
Light Source: -
Ballast/Driver: -

Summary

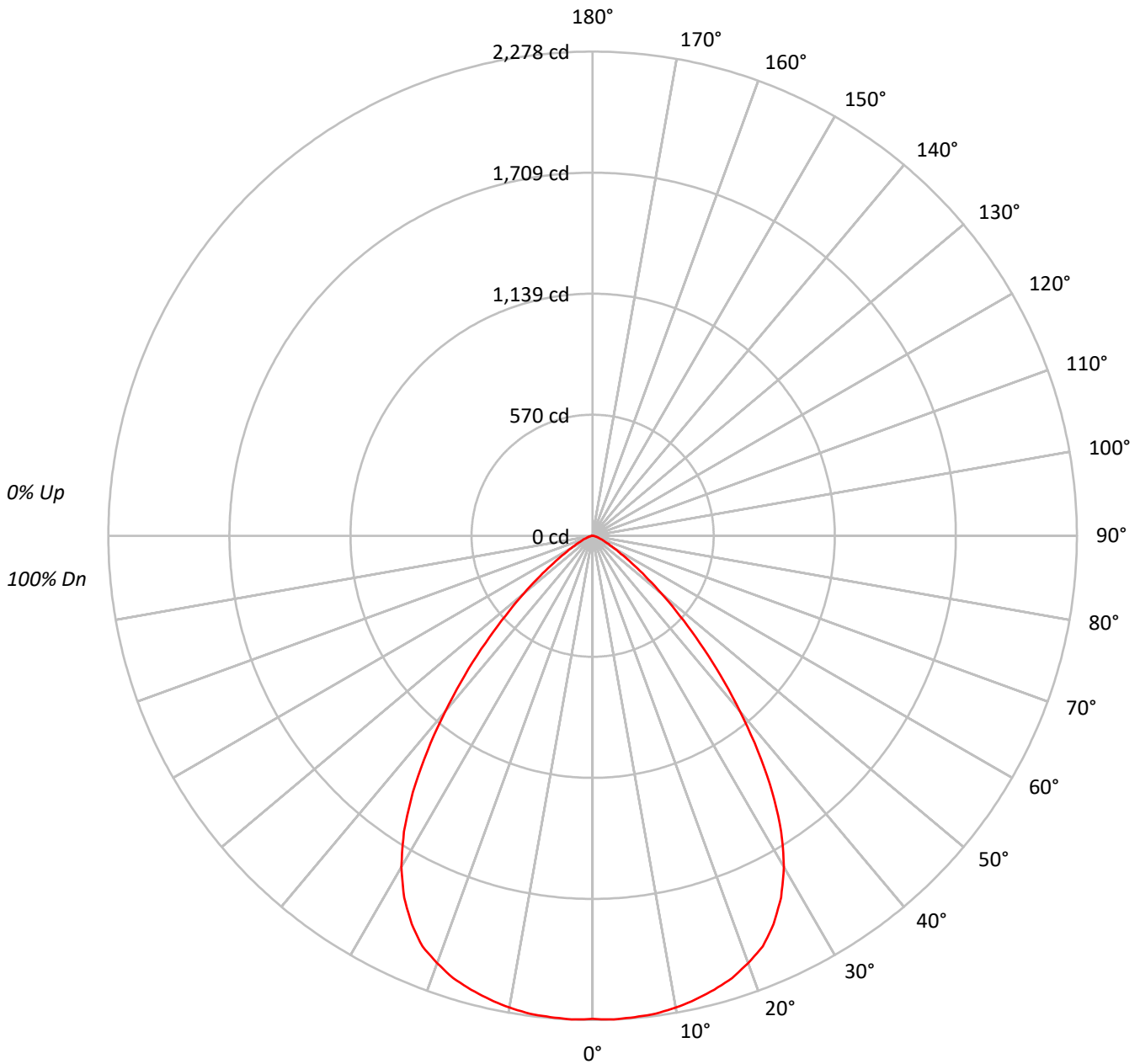
Lumens per Lamp: N/A
Luminaire Lumens: 3526.7 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	279271
5°	280337
10°	281196
15°	281211
20°	279662
25°	273114
30°	255261
35°	221065
40°	172691
45°	123895
50°	80483
55°	48171
60°	28207
65°	18081
70°	12033
75°	9114
80°	6721
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.5	6.1
10°-20°	623.8	17.7
20°-30°	920.5	26.1
30°-40°	908.4	25.8
40°-50°	555.9	15.8
50°-60°	213.1	6.0
60°-70°	66.6	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°	1760.7	49.9
0°-40°	2669.1	75.7
0°-60°	3438.0	97.5
0°-90°	3526.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3526.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2273	
5°	2273	216
15°	2211	624
25°	2015	920
35°	1474	908
45°	713	556
55°	225	213
65°	62	67
75°	19	20
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2273.2
2.5°	2278.0
5°	2273.2
7.5°	2268.5
10°	2254.1
12.5°	2235.0
15°	2211.0
17.5°	2182.3
20°	2139.1
22.5°	2091.4
25°	2014.8
27.5°	1919.0
30°	1799.4
32.5°	1651.1
35°	1474.0
37.5°	1277.7
40°	1076.8
42.5°	890.1
45°	713.1
47.5°	555.0
50°	421.1
52.5°	311.1
55°	224.9
57.5°	157.8
60°	114.8
62.5°	86.2
65°	62.2
67.5°	47.9
70°	33.5
72.5°	24.0
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)