

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: P858221

Luminaire Tested: **LX4C45D010 EX4C459830 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C45D010 EX4C459830 4LBMDH
Description:
Light Source: -
Ballast/Driver: -

Summary

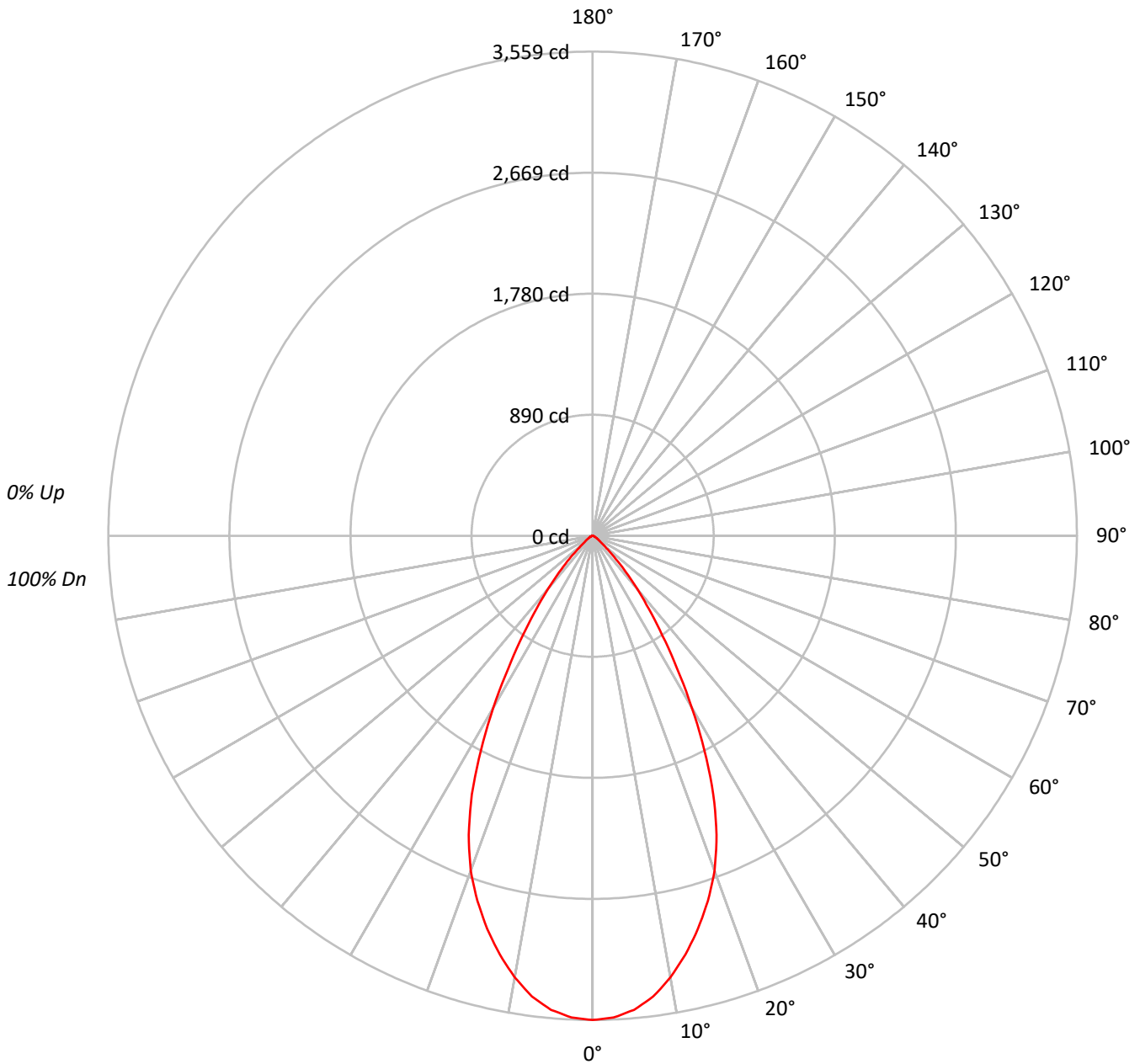
Lumens per Lamp: N/A
Luminaire Lumens: 2954.4 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	437248
5°	431358
10°	411109
15°	380417
20°	342455
25°	284500
30°	206802
35°	134064
40°	81133
45°	41819
50°	18941
55°	11395
60°	7641
65°	5465
70°	4131
75°	2706
80°	1769
85°	1128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	11.1
10°-20°	834.6	28.3
20°-30°	943.8	31.9
30°-40°	570.4	19.3
40°-50°	199.8	6.8
50°-60°	51.1	1.7
60°-70°	19.6	0.7
70°-80°	6.6	0.2
80°-90°	1.0	0.0
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°	2105.9	71.3
0°-40°	2676.3	90.6
0°-60°	2927.2	99.1
0°-90°	2954.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2954.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3559	
5°	3498	327
15°	2991	835
25°	2099	944
35°	894	570
45°	241	200
55°	53	51
65°	19	20
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3559.1
2.5°	3544.4
5°	3497.8
7.5°	3415.0
10°	3295.5
12.5°	3151.5
15°	2991.0
17.5°	2815.1
20°	2619.4
22.5°	2379.5
25°	2098.8
27.5°	1777.1
30°	1457.8
32.5°	1152.6
35°	893.9
37.5°	677.8
40°	505.9
42.5°	363.5
45°	240.7
47.5°	148.1
50°	99.1
52.5°	71.3
55°	53.2
57.5°	40.9
60°	31.1
62.5°	24.5
65°	18.8
67.5°	14.7
70°	11.5
72.5°	8.2
75°	5.7
77.5°	4.1
80°	2.5
82.5°	1.6
85°	0.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)