

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: P858249

Luminaire Tested: **LX4C45D010 EX4C459840 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858249
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 4LBMH
Description:
Light Source: -
Ballast/Driver: -

Summary

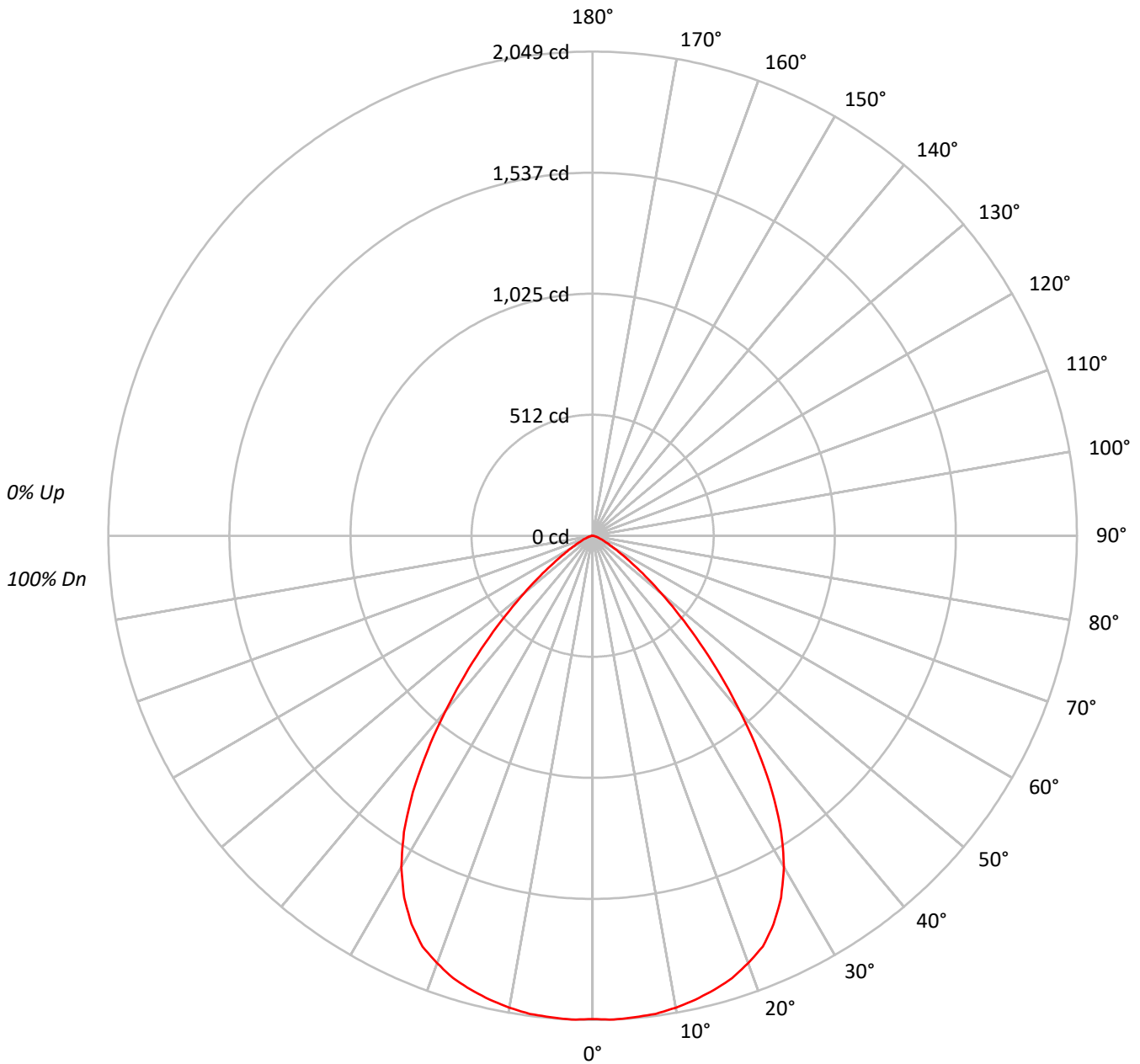
Lumens per Lamp: N/A
Luminaire Lumens: 3172.8 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P858249

CATALOG NUMBER: LX4C45D010 EX4C459840 4LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P858249

CATALOG NUMBER: LX4C45D010 EX4C459840 4LBMH

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°	251235
5°	252195
10°	252965
15°	252975
20°	251592
25°	245705
30°	229641
35°	198854
40°	155354
45°	111455
50°	72399
55°	43330
60°	25382
65°	16279
70°	10812
75°	8164
80°	6084
85°	0



TEST NUMBER: P858249

CATALOG NUMBER: LX4C45D010 EX4C459840 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	6.1
10°-20°	561.2	17.7
20°-30°	828.1	26.1
30°-40°	817.2	25.8
40°-50°	500.1	15.8
50°-60°	191.7	6.0
60°-70°	59.9	1.9
70°-80°	17.6	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°	1584.0	49.9
0°-40°	2401.2	75.7
0°-60°	3092.9	97.5
0°-90°	3172.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3172.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2045	
5°	2045	195
15°	1989	561
25°	1813	828
35°	1326	817
45°	642	500
55°	202	192
65°	56	60
75°	17	18
85°	0	2
90°	0	



TEST NUMBER: P858249

CATALOG NUMBER: LX4C45D010 EX4C459840 4LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2045.0
2.5°	2049.4
5°	2045.0
7.5°	2040.8
10°	2027.8
12.5°	2010.6
15°	1989.0
17.5°	1963.2
20°	1924.4
22.5°	1881.5
25°	1812.6
27.5°	1726.3
30°	1618.8
32.5°	1485.4
35°	1325.9
37.5°	1149.5
40°	968.7
42.5°	800.8
45°	641.5
47.5°	499.3
50°	378.8
52.5°	279.9
55°	202.3
57.5°	142.1
60°	103.3
62.5°	77.6
65°	56.0
67.5°	43.1
70°	30.1
72.5°	21.6
75°	17.2
77.5°	8.6
80°	8.6
82.5°	4.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)