

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: P858115

Luminaire Tested: **LX4C45D010 EX4C459027 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P858115
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 EX4C459027 4LBWH
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

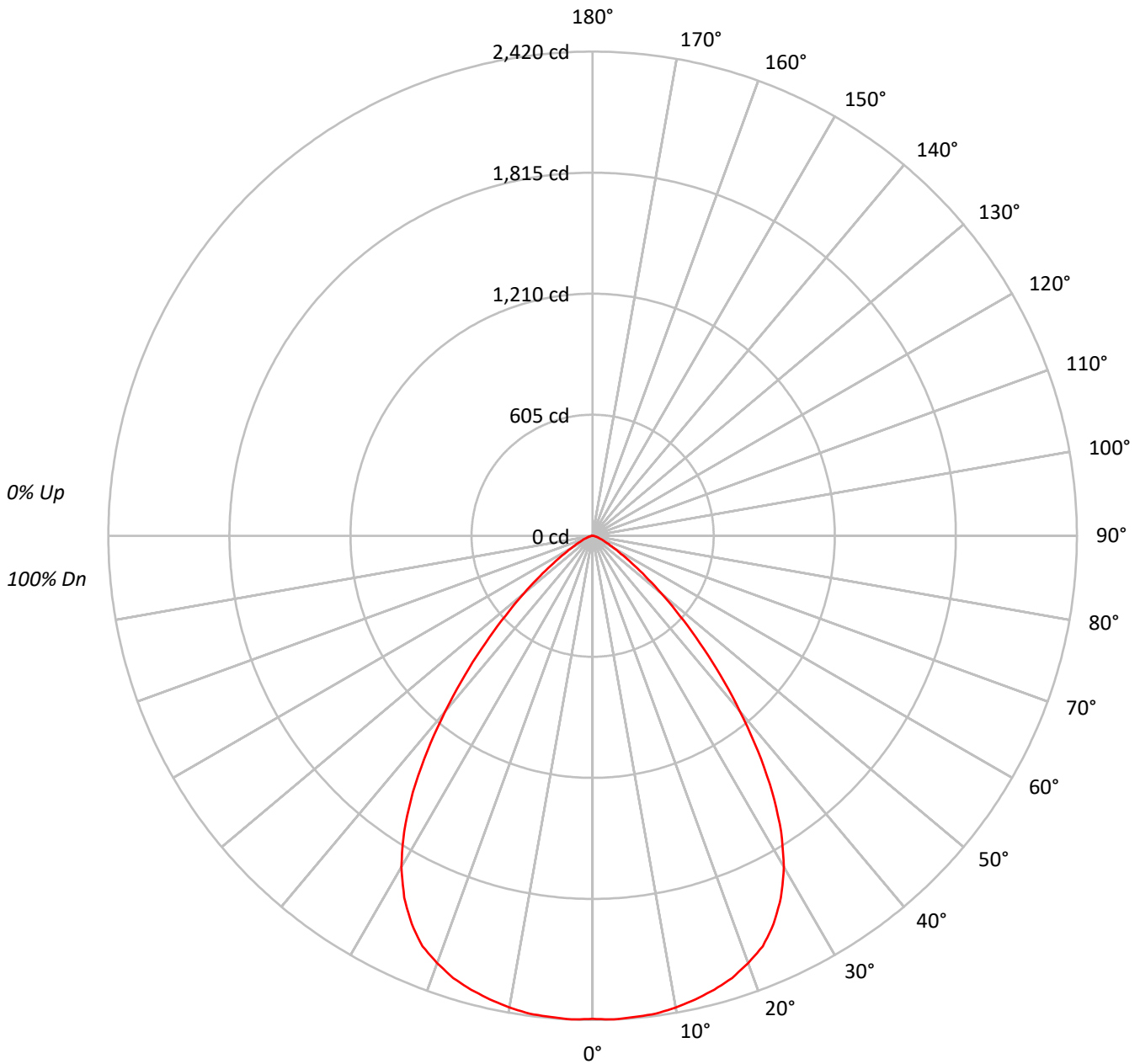
Lumens per Lamp: N/A
Luminaire Lumens: 3746.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
Input Voltage (V):
Input Current (Ain): 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°	296630
5°	297763
10°	298673
15°	298687
20°	297050
25°	290085
30°	271135
35°	234788
40°	183420
45°	131591
50°	85491
55°	51170
60°	29952
65°	19215
70°	12788
75°	9683
80°	7216
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	6.1
10°-20°	662.5	17.7
20°-30°	977.7	26.1
30°-40°	964.8	25.8
40°-50°	590.4	15.8
50°-60°	226.4	6.0
60°-70°	70.8	1.9
70°-80°	20.8	0.6
80°-90°	2.8	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°	1870.1	49.9
0°-40°	2834.9	75.7
0°-60°	3651.7	97.5
0°-90°	3746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3746.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2414	
5°	2414	230
15°	2348	663
25°	2140	978
35°	1566	965
45°	757	590
55°	239	226
65°	66	71
75°	20	21
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2414.5
2.5°	2419.6
5°	2414.5
7.5°	2409.4
10°	2394.2
12.5°	2373.8
15°	2348.4
17.5°	2317.8
20°	2272.1
22.5°	2221.4
25°	2140.0
27.5°	2038.2
30°	1911.3
32.5°	1753.8
35°	1565.5
37.5°	1357.1
40°	1143.7
42.5°	945.5
45°	757.4
47.5°	589.5
50°	447.3
52.5°	330.5
55°	238.9
57.5°	167.7
60°	121.9
62.5°	91.6
65°	66.1
67.5°	50.9
70°	35.6
72.5°	25.4
75°	20.4
77.5°	10.2
80°	10.2
82.5°	5.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)