

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: P858136

Luminaire Tested: **LX4C45D010 EX4C459030 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858136
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 EX4C459030 4LBWH
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

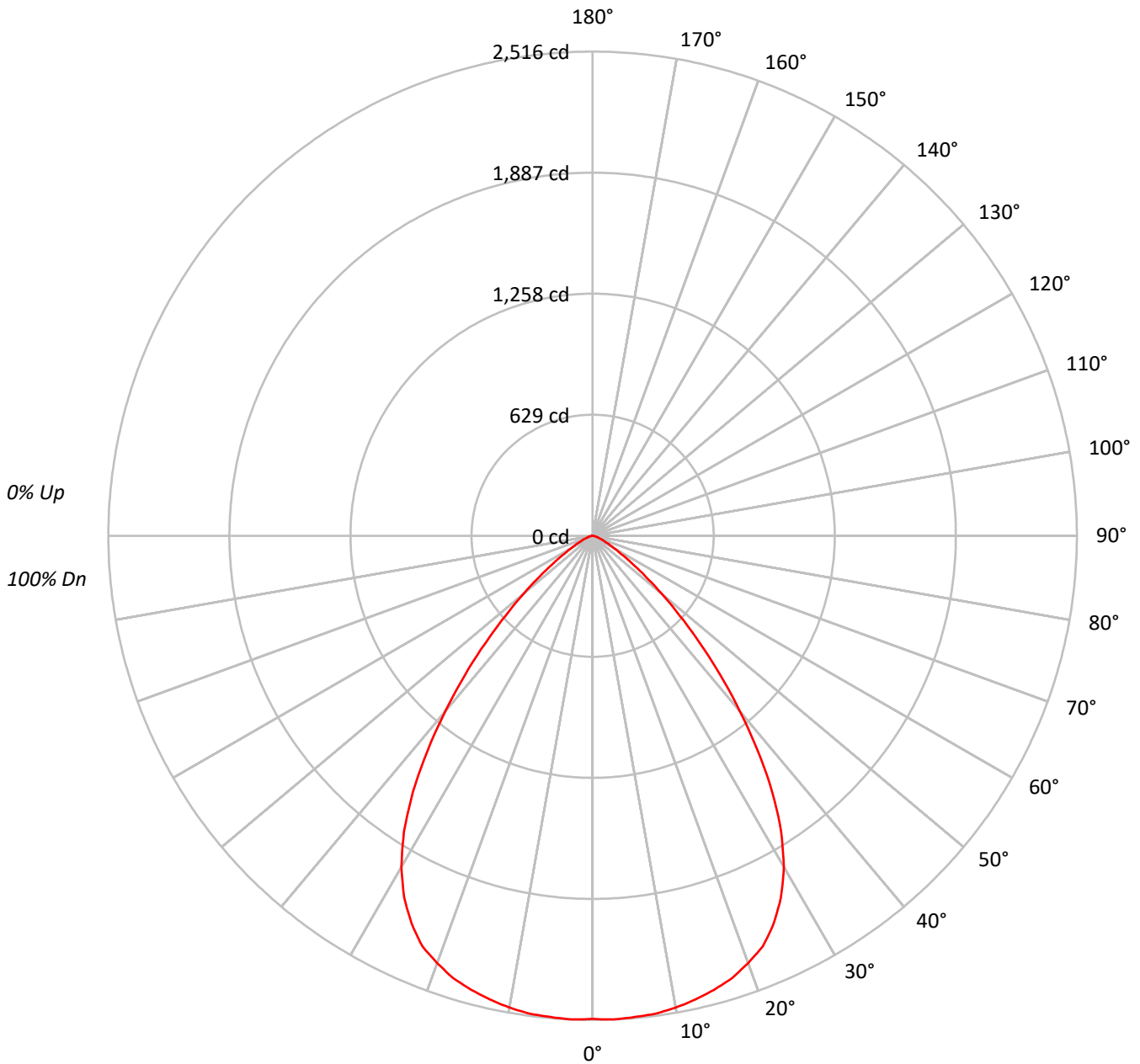
Lumens per Lamp: N/A
Luminaire Lumens: 3895.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	308436
5°	309614
10°	310549
15°	310566
20°	308855
25°	301621
30°	281916
35°	244132
40°	190701
45°	136838
50°	88893
55°	53204
60°	31131
65°	20000
70°	13290
75°	10063
80°	7499
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.1	6.1
10°-20°	688.9	17.7
20°-30°	1016.6	26.1
30°-40°	1003.2	25.8
40°-50°	613.9	15.8
50°-60°	235.3	6.0
60°-70°	73.6	1.9
70°-80°	21.6	0.6
80°-90°	2.9	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°	1944.5	49.9
0°-40°	2947.7	75.7
0°-60°	3797.0	97.5
0°-90°	3895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3895.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2511	
5°	2511	239
15°	2442	689
25°	2225	1017
35°	1628	1003
45°	788	614
55°	248	235
65°	69	74
75°	21	22
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2510.6
2.5°	2515.9
5°	2510.6
7.5°	2505.3
10°	2489.4
12.5°	2468.2
15°	2441.8
17.5°	2410.0
20°	2362.4
22.5°	2309.8
25°	2225.1
27.5°	2119.3
30°	1987.3
32.5°	1823.5
35°	1627.8
37.5°	1411.1
40°	1189.1
42.5°	983.1
45°	787.6
47.5°	613.0
50°	465.1
52.5°	343.6
55°	248.4
57.5°	174.3
60°	126.7
62.5°	95.2
65°	68.8
67.5°	52.9
70°	37.0
72.5°	26.5
75°	21.2
77.5°	10.6
80°	10.6
82.5°	5.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)