

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: P859329

Luminaire Tested: **LX4C65D010 EX4C659027 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859329
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: LX4C65D010 EX4C659027 4LBMH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

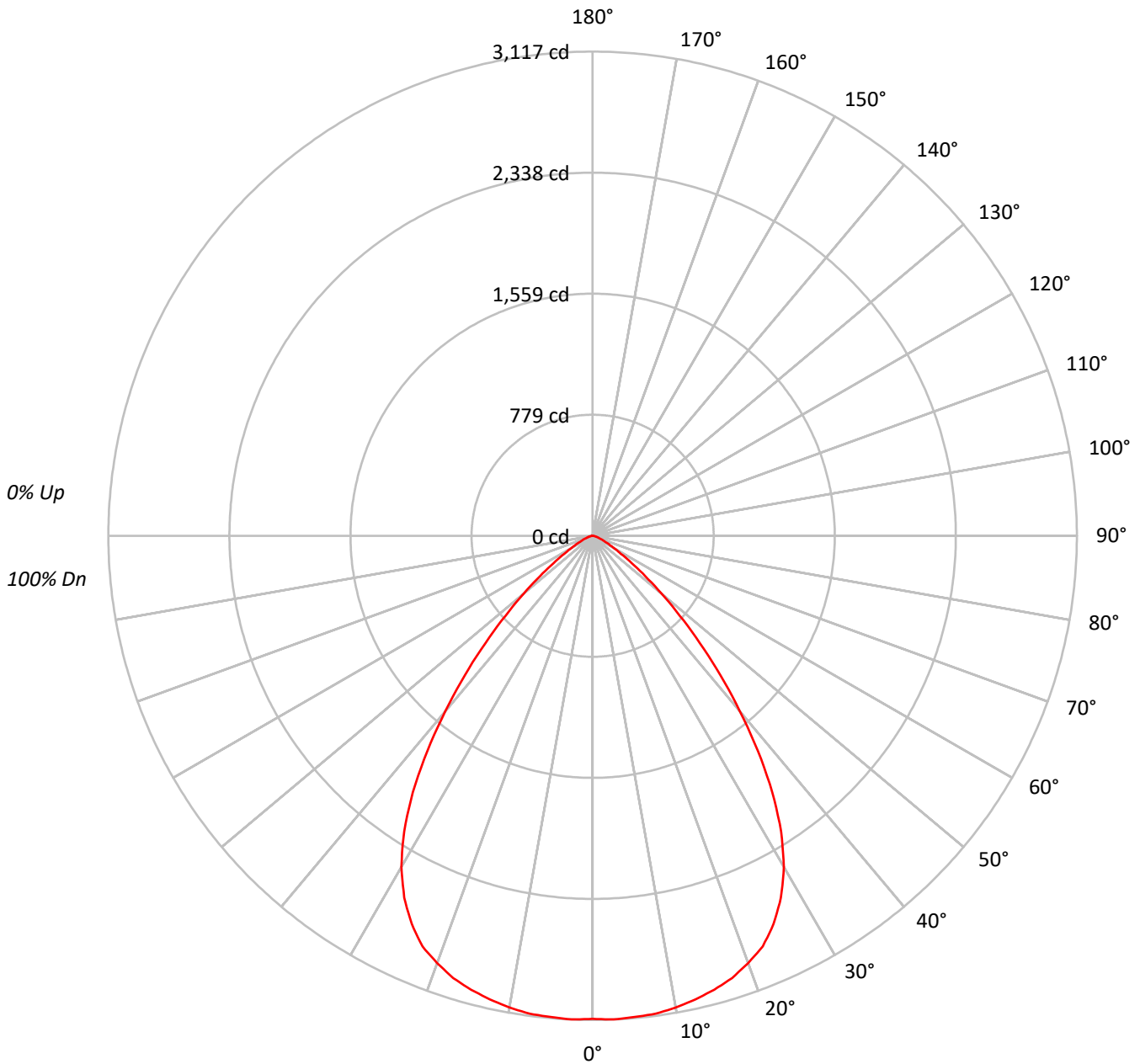
Lumens per Lamp: N/A
Luminaire Lumens: 4825.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	382074
5°	383534
10°	384700
15°	384716
20°	382605
25°	373641
30°	349228
35°	302412
40°	236247
45°	169502
50°	110108
55°	65906
60°	38576
65°	24767
70°	16487
75°	12436
80°	9268
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	6.1
10°-20°	853.4	17.7
20°-30°	1259.3	26.1
30°-40°	1242.7	25.8
40°-50°	760.5	15.8
50°-60°	291.5	6.0
60°-70°	91.2	1.9
70°-80°	26.7	0.6
80°-90°	3.6	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°	2408.8	49.9
0°-40°	3651.5	75.7
0°-60°	4703.5	97.5
0°-90°	4825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3110	
5°	3110	296
15°	3025	853
25°	2756	1259
35°	2016	1243
45°	976	760
55°	308	292
65°	85	91
75°	26	27
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3110.0
2.5°	3116.6
5°	3110.0
7.5°	3103.4
10°	3083.8
12.5°	3057.6
15°	3024.8
17.5°	2985.5
20°	2926.5
22.5°	2861.3
25°	2756.4
27.5°	2625.3
30°	2461.8
32.5°	2258.9
35°	2016.4
37.5°	1748.0
40°	1473.1
42.5°	1217.8
45°	975.6
47.5°	759.3
50°	576.1
52.5°	425.7
55°	307.7
57.5°	216.0
60°	157.0
62.5°	118.0
65°	85.2
67.5°	65.5
70°	45.9
72.5°	32.8
75°	26.2
77.5°	13.1
80°	13.1
82.5°	6.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)