

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: P859042

Luminaire Tested: **LX4C50D010 EX4C509050 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859042
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: LX4C50D010 EX4C509050 4LBMH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

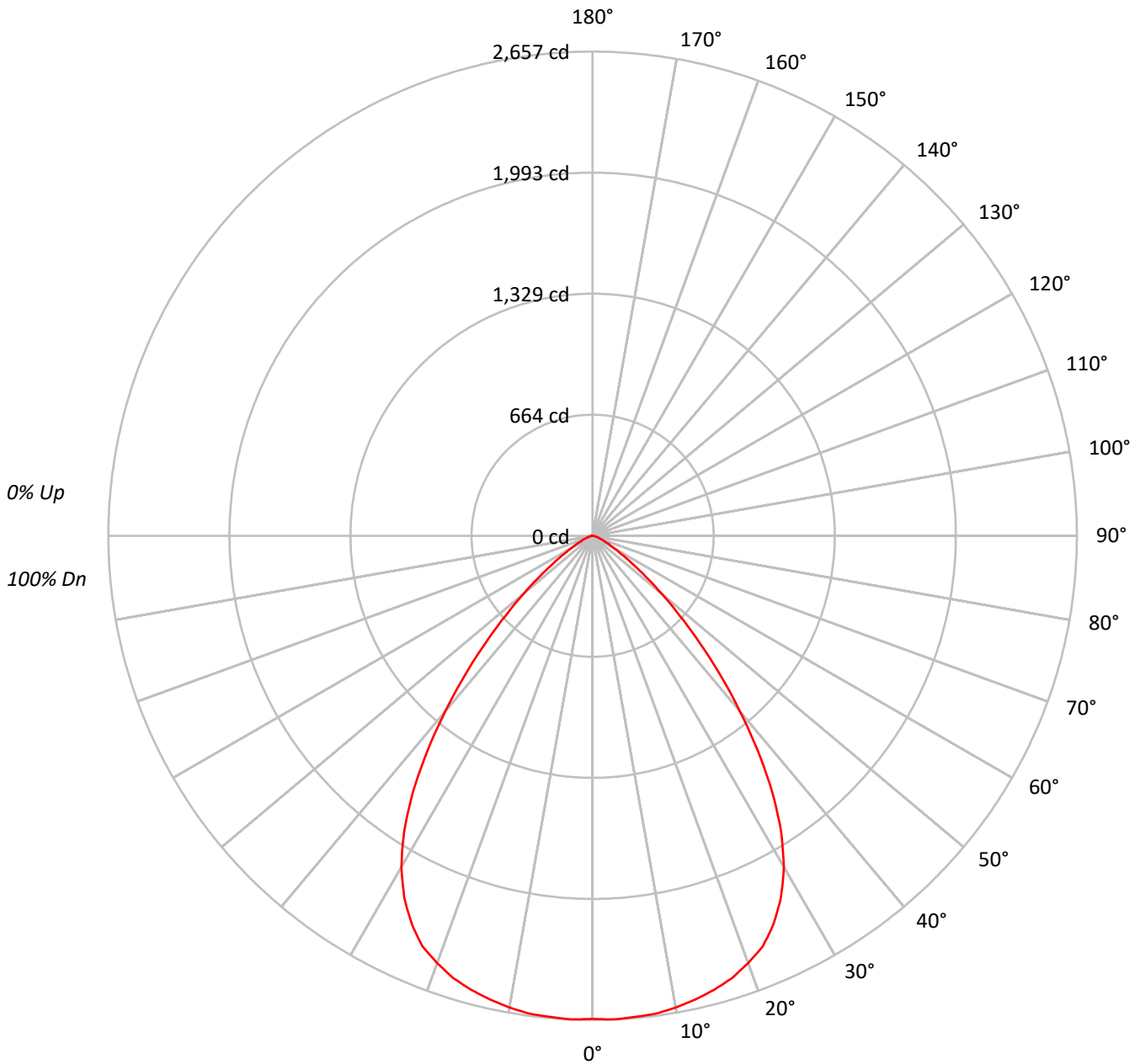
Lumens per Lamp: N/A
Luminaire Lumens: 4113.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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																	
RC	80									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	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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91																											
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82																											
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74																											
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67																											
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																											
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55																											
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50																											
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46																											
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43																											
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325697
5°	326941
10°	327927
15°	327940
20°	326152
25°	318511
30°	297691
35°	257794
40°	201381
45°	144483
50°	93862
55°	56182
60°	32876
65°	21105
70°	14045
75°	10585
80°	7924
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	6.1
10°-20°	727.4	17.7
20°-30°	1073.5	26.1
30°-40°	1059.3	25.8
40°-50°	648.3	15.8
50°-60°	248.5	6.0
60°-70°	77.7	1.9
70°-80°	22.8	0.6
80°-90°	3.0	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°	2053.4	49.9
0°-40°	3112.7	75.7
0°-60°	4009.5	97.5
0°-90°	4113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4113.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2651	
5°	2651	252
15°	2578	727
25°	2350	1073
35°	1719	1059
45°	832	648
55°	262	249
65°	73	78
75°	22	23
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2651.1
2.5°	2656.7
5°	2651.1
7.5°	2645.5
10°	2628.7
12.5°	2606.4
15°	2578.4
17.5°	2544.9
20°	2494.7
22.5°	2439.0
25°	2349.7
27.5°	2237.9
30°	2098.5
32.5°	1925.6
35°	1718.9
37.5°	1490.1
40°	1255.7
42.5°	1038.1
45°	831.6
47.5°	647.3
50°	491.1
52.5°	362.9
55°	262.3
57.5°	184.1
60°	133.8
62.5°	100.6
65°	72.6
67.5°	55.9
70°	39.1
72.5°	27.9
75°	22.3
77.5°	11.2
80°	11.2
82.5°	5.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)