

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: P859227

Luminaire Tested: **LX4C60D010 EX4C609035 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859227
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: LX4C60D010 EX4C609035 4LBWH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

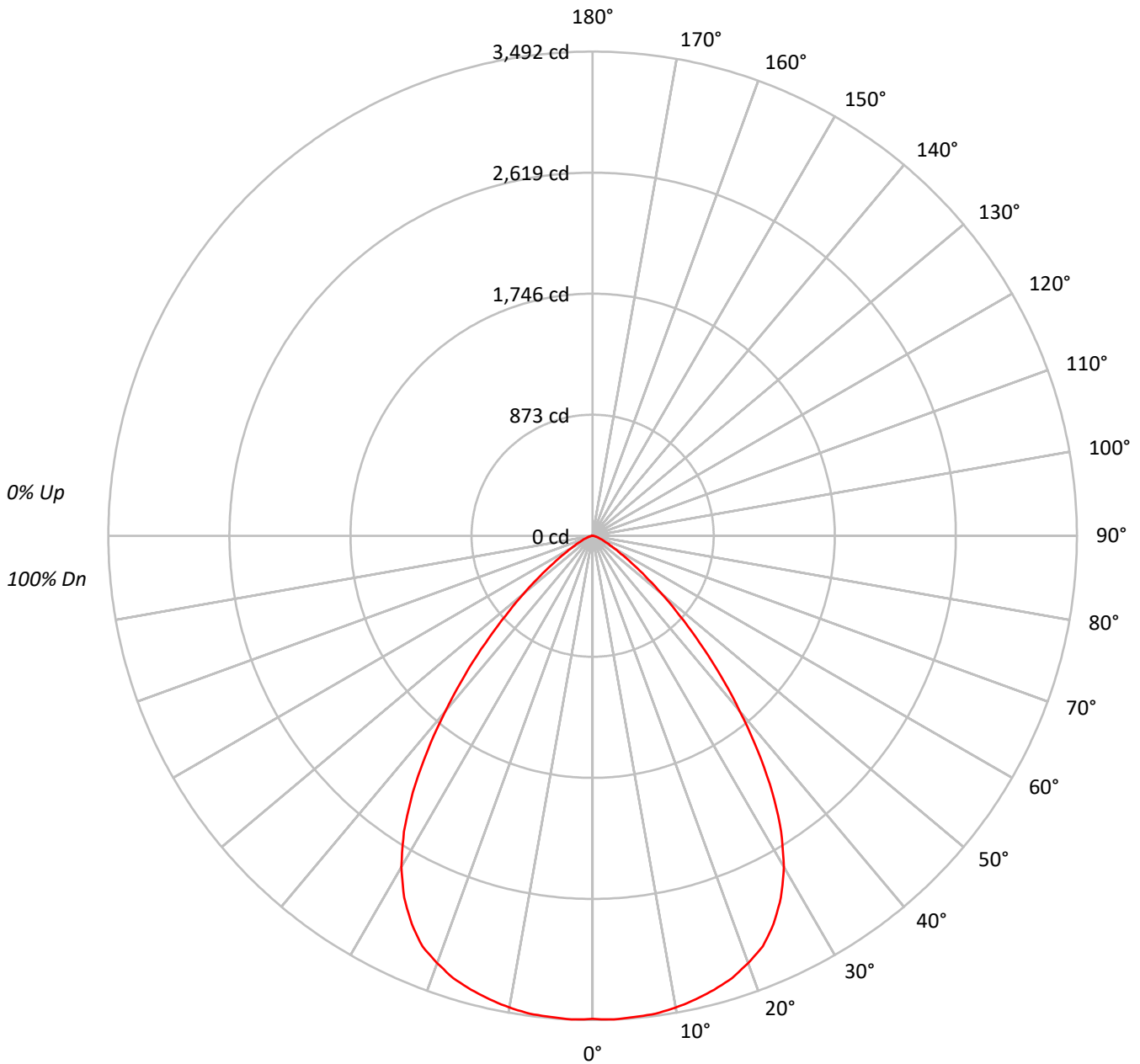
Lumens per Lamp: N/A
Luminaire Lumens: 5406.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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									
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	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°	428083
5°	429718
10°	431019
15°	431038
20°	428677
25°	418631
30°	391275
35°	338827
40°	264697
45°	189916
50°	123372
55°	73852
60°	43220
65°	27761
70°	18463
75°	13955
80°	10400
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.8	6.1
10°-20°	956.1	17.7
20°-30°	1410.9	26.1
30°-40°	1392.3	25.8
40°-50°	852.1	15.8
50°-60°	326.7	6.0
60°-70°	102.1	1.9
70°-80°	30.0	0.6
80°-90°	4.0	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°	2698.9	49.9
0°-40°	4091.2	75.7
0°-60°	5269.9	97.5
0°-90°	5406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5406.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3484	
5°	3484	332
15°	3389	956
25°	3088	1411
35°	2259	1392
45°	1093	852
55°	345	327
65°	96	102
75°	29	30
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3484.5
2.5°	3491.8
5°	3484.5
7.5°	3477.1
10°	3455.1
12.5°	3425.7
15°	3389.0
17.5°	3345.0
20°	3278.9
22.5°	3205.8
25°	3088.3
27.5°	2941.5
30°	2758.2
32.5°	2530.9
35°	2259.2
37.5°	1958.5
40°	1650.5
42.5°	1364.4
45°	1093.1
47.5°	850.8
50°	645.5
52.5°	476.9
55°	344.8
57.5°	242.0
60°	175.9
62.5°	132.2
65°	95.5
67.5°	73.4
70°	51.4
72.5°	36.7
75°	29.4
77.5°	14.7
80°	14.7
82.5°	7.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)