

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: P859199

Luminaire Tested: **LX4C60D010 EX4C609030 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859199
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 EX4C609030 4LBMH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

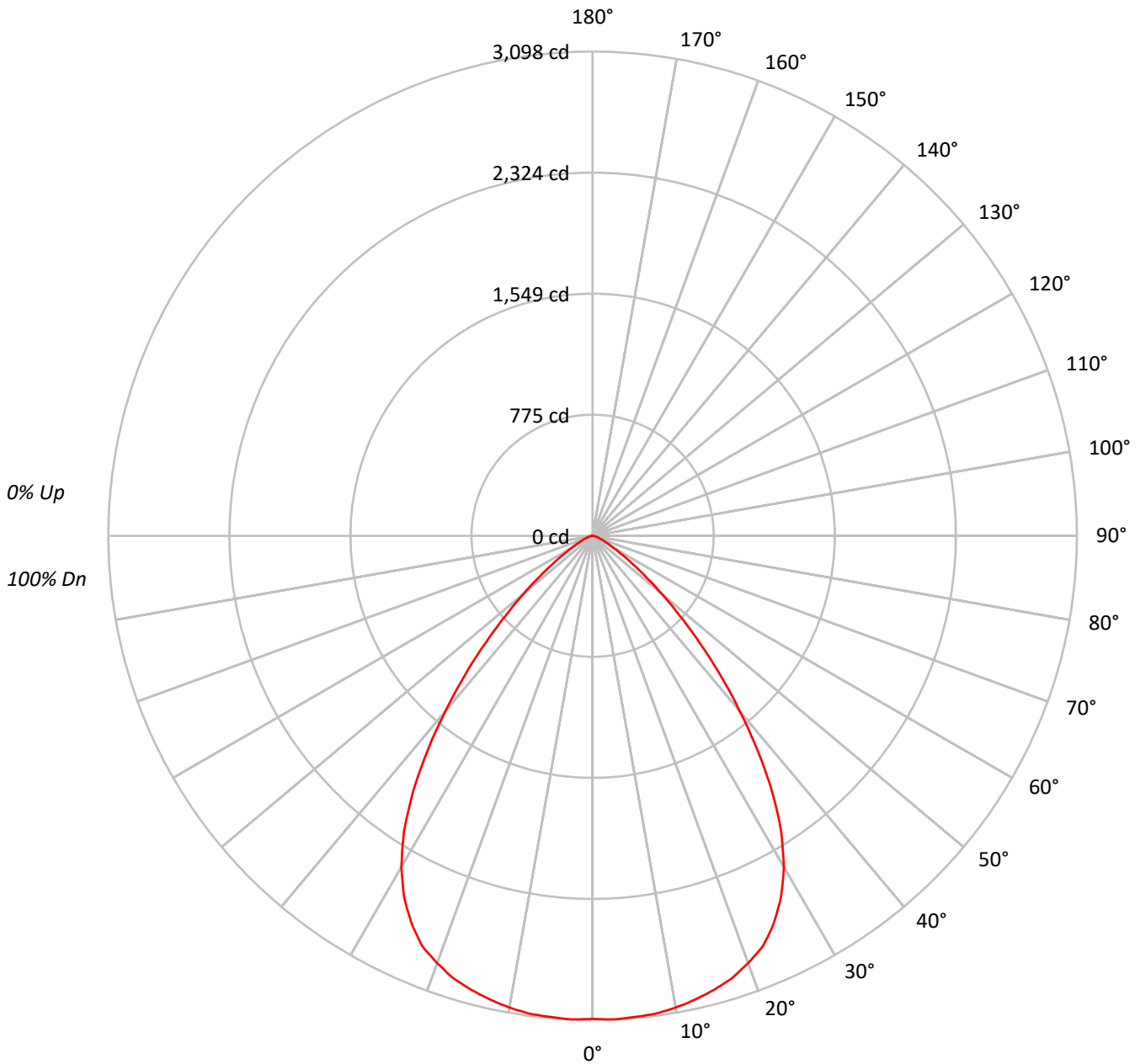
Lumens per Lamp: N/A
Luminaire Lumens: 4796.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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			
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°	379777
5°	381228
10°	382392
15°	382401
20°	380304
25°	371390
30°	347129
35°	300598
40°	234819
45°	168477
50°	109458
55°	65520
60°	38330
65°	24622
70°	16379
75°	12389
80°	9197
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.4	6.1
10°-20°	848.2	17.7
20°-30°	1251.7	26.1
30°-40°	1235.2	25.8
40°-50°	755.9	15.8
50°-60°	289.8	6.0
60°-70°	90.6	1.9
70°-80°	26.6	0.6
80°-90°	3.5	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°	2394.3	49.9
0°-40°	3629.6	75.7
0°-60°	4675.3	97.5
0°-90°	4796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4796.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3091	
5°	3091	294
15°	3007	848
25°	2740	1252
35°	2004	1235
45°	970	756
55°	306	290
65°	85	91
75°	26	27
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3091.3
2.5°	3097.8
5°	3091.3
7.5°	3084.8
10°	3065.3
12.5°	3039.2
15°	3006.6
17.5°	2967.5
20°	2908.9
22.5°	2844.1
25°	2739.8
27.5°	2609.6
30°	2447.0
32.5°	2245.3
35°	2004.3
37.5°	1737.5
40°	1464.2
42.5°	1210.5
45°	969.7
47.5°	754.8
50°	572.7
52.5°	423.1
55°	305.9
57.5°	214.7
60°	156.0
62.5°	117.3
65°	84.7
67.5°	65.1
70°	45.6
72.5°	32.6
75°	26.1
77.5°	13.0
80°	13.0
82.5°	6.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)