

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1500428

Luminaire Tested: LD4C60D010 EU4609035 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EU4609035 4LBMH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

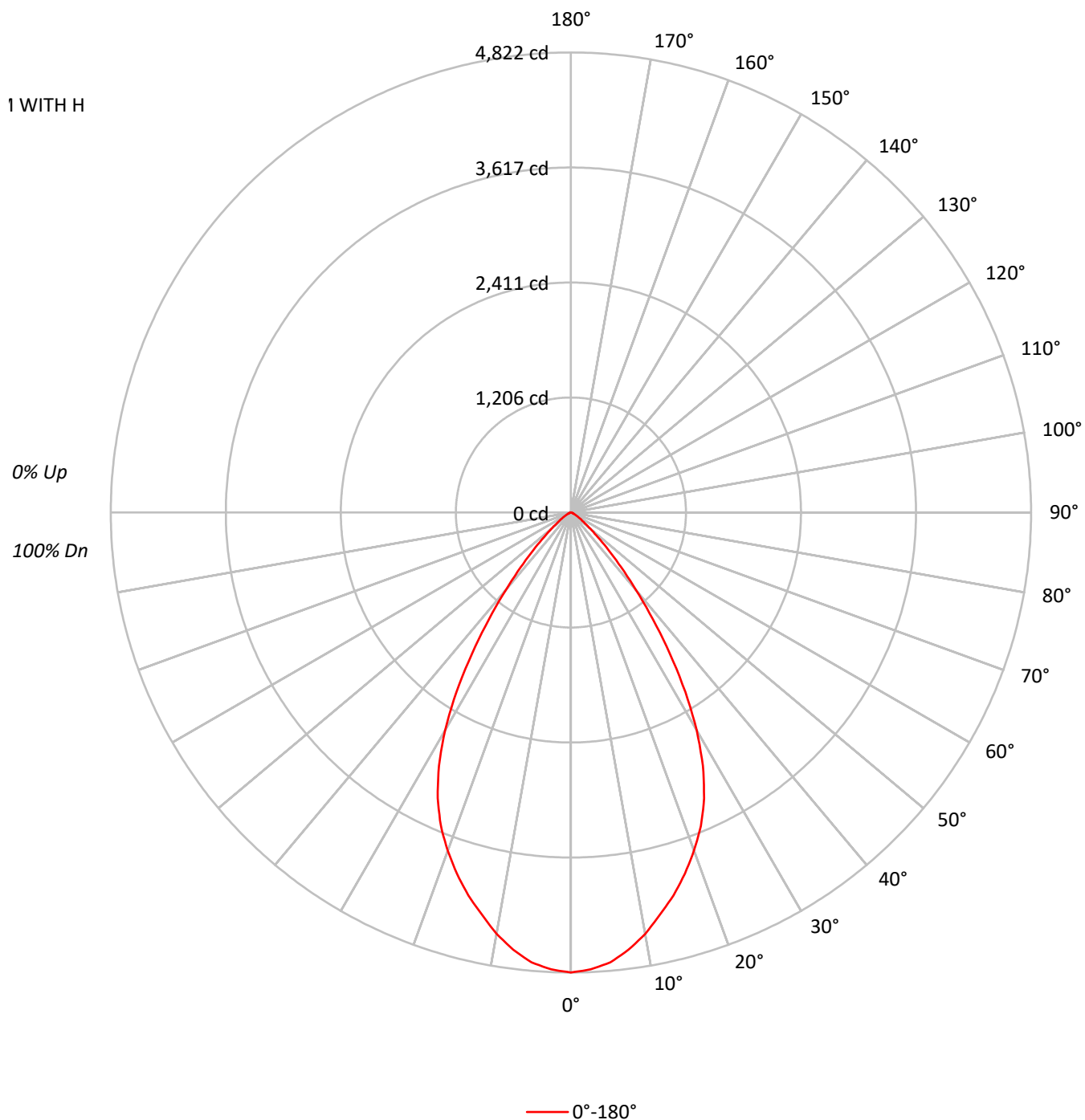
Lumens per Lamp: N/A
Luminaire Lumens: 4863.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	592399
5°	583798
10°	559398
15°	528349
20°	493183
25°	447707
30°	373784
35°	270797
40°	169515
45°	96895
50°	50515
55°	28316
60°	18035
65°	10669
70°	7902
75°	3465
80°	5165
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.7	9.1
10°-20°	1164.0	23.9
20°-30°	1496.0	30.8
30°-40°	1125.5	23.1
40°-50°	452.0	9.3
50°-60°	128.5	2.6
60°-70°	40.7	0.8
70°-80°	11.6	0.2
80°-90°	1.0	0.0
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°	3103.7	63.8
0°-40°	4229.2	87.0
0°-60°	4809.8	98.9
0°-90°	4863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4863.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4822	
5°	4734	444
15°	4154	1164
25°	3303	1496
35°	1806	1126
45°	558	452
55°	132	129
65°	37	41
75°	7	12
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4822.0
2.5°	4792.6
5°	4733.9
7.5°	4623.7
10°	4484.2
12.5°	4315.7
15°	4154.1
17.5°	3970.6
20°	3772.3
22.5°	3559.7
25°	3302.8
27.5°	2994.4
30°	2634.9
32.5°	2231.1
35°	1805.6
37.5°	1409.1
40°	1057.0
42.5°	778.0
45°	557.7
47.5°	381.8
50°	264.3
52.5°	183.6
55°	132.2
57.5°	95.5
60°	73.4
62.5°	51.4
65°	36.7
67.5°	29.4
70°	22.0
72.5°	14.7
75°	7.3
77.5°	7.3
80°	7.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)