

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: P1500426

Luminaire Tested: LD4C60D010 EU4609027 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500426
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 EU4609027 4LBMH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

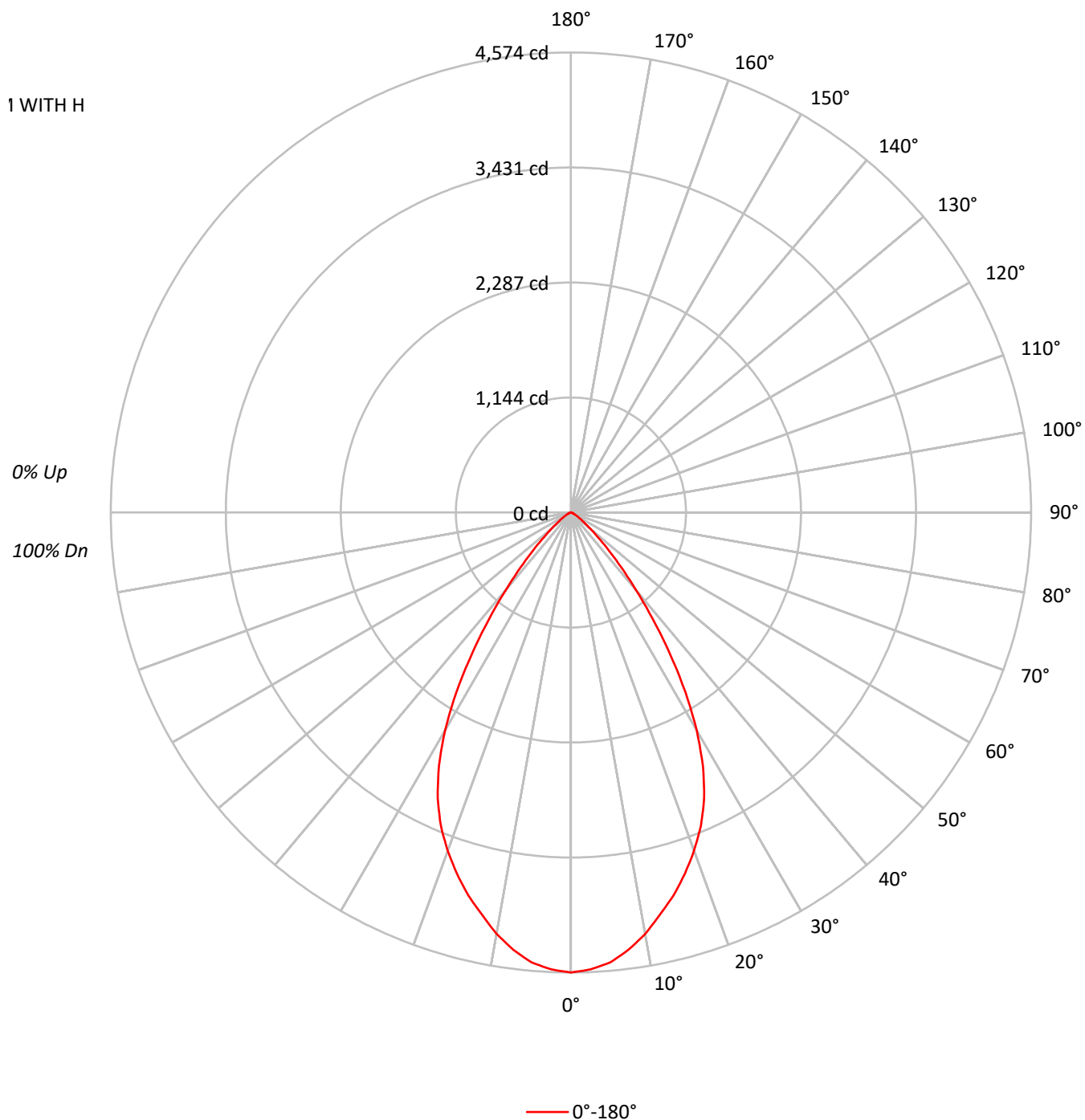
Lumens per Lamp: N/A
Luminaire Lumens: 4613.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	561944
5°	553781
10°	530643
15°	501194
20°	467833
25°	424690
30°	354577
35°	256865
40°	160791
45°	91909
50°	47915
55°	26859
60°	17101
65°	10116
70°	7507
75°	3323
80°	4952
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 91909 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.9	9.1
10°-20°	1104.2	23.9
20°-30°	1419.0	30.8
30°-40°	1067.6	23.1
40°-50°	428.8	9.3
50°-60°	121.9	2.6
60°-70°	38.6	0.8
70°-80°	11.0	0.2
80°-90°	0.9	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°	2944.1	63.8
0°-40°	4011.8	87.0
0°-60°	4562.4	98.9
0°-90°	4613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4613.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4574	
5°	4490	421
15°	3941	1104
25°	3133	1419
35°	1713	1068
45°	529	429
55°	125	122
65°	35	39
75°	7	11
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	4574.1
2.5°	4546.2
5°	4490.5
7.5°	4386.0
10°	4253.7
12.5°	4093.8
15°	3940.6
17.5°	3766.5
20°	3578.4
22.5°	3376.7
25°	3133.0
27.5°	2840.4
30°	2499.5
32.5°	2116.4
35°	1712.7
37.5°	1336.6
40°	1002.6
42.5°	738.0
45°	529.0
47.5°	362.2
50°	250.7
52.5°	174.1
55°	125.4
57.5°	90.5
60°	69.6
62.5°	48.8
65°	34.8
67.5°	27.9
70°	20.9
72.5°	13.9
75°	7.0
77.5°	7.0
80°	7.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)