

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: P1500362

Luminaire Tested: LD4C05D010 EU4059030 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500362
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: LD4C05D010 EU4059030 4LBMH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM ' FINISH
Light Source: -
Ballast/Driver: -

Summary

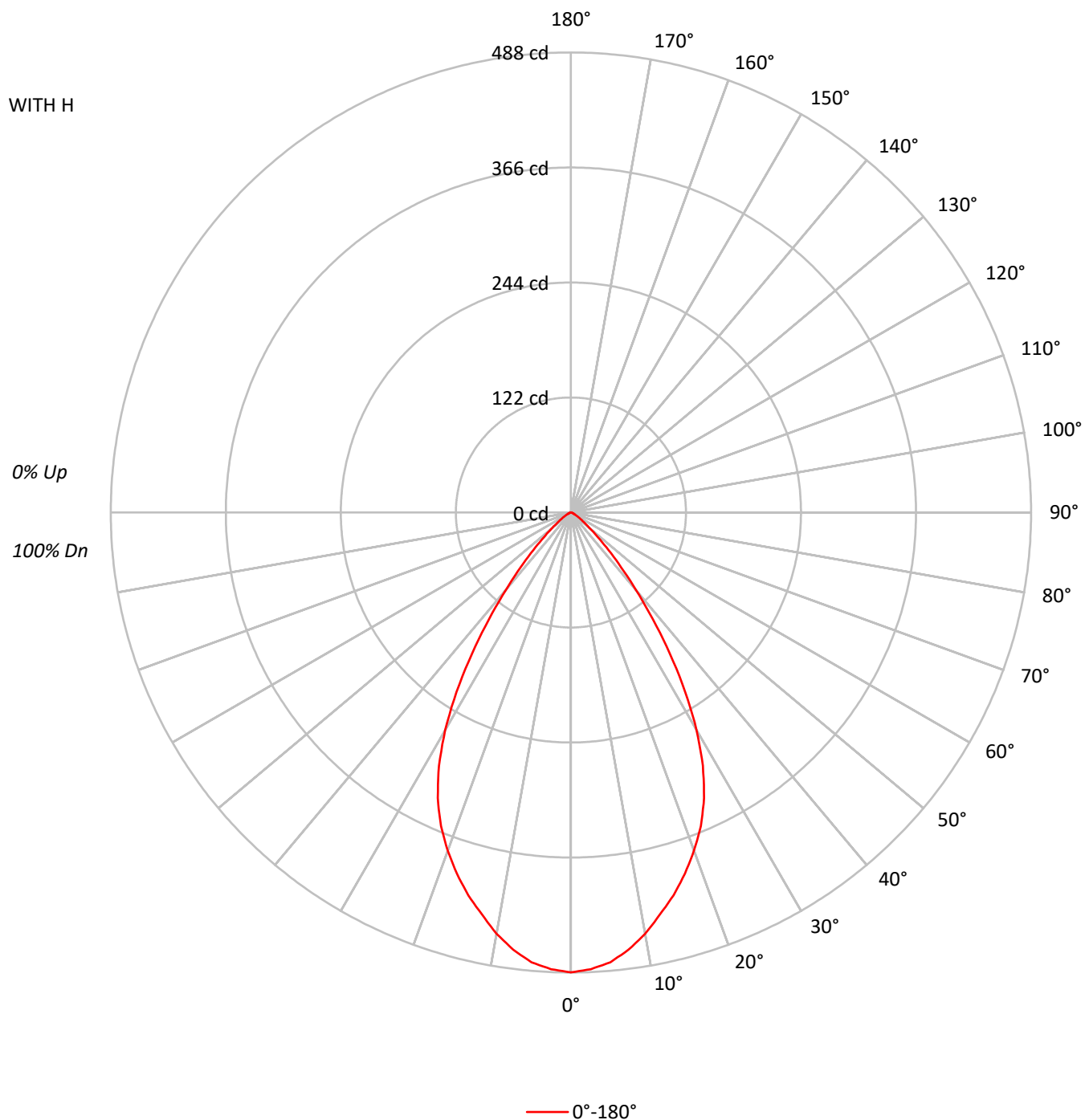
Lumens per Lamp: N/A
Luminaire Lumens: 492.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	59928
5°	59059
10°	56598
15°	53457
20°	49903
25°	45289
30°	37820
35°	27401
40°	17144
45°	9799
50°	5103
55°	2870
60°	1818
65°	1076
70°	790
75°	332
80°	495
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9799 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	9.1
10°-20°	117.8	23.9
20°-30°	151.3	30.8
30°-40°	113.9	23.1
40°-50°	45.7	9.3
50°-60°	13.0	2.6
60°-70°	4.1	0.8
70°-80°	1.1	0.2
80°-90°	0.1	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°	314.0	63.8
0°-40°	427.9	87.0
0°-60°	486.6	98.9
0°-90°	492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	492.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	488	
5°	479	45
15°	420	118
25°	334	151
35°	183	114
45°	56	46
55°	13	13
65°	4	4
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	487.8
2.5°	484.9
5°	478.9
7.5°	467.8
10°	453.7
12.5°	436.6
15°	420.3
17.5°	401.7
20°	381.7
22.5°	360.1
25°	334.1
27.5°	302.9
30°	266.6
32.5°	225.7
35°	182.7
37.5°	142.6
40°	106.9
42.5°	78.7
45°	56.4
47.5°	38.6
50°	26.7
52.5°	18.6
55°	13.4
57.5°	9.7
60°	7.4
62.5°	5.2
65°	3.7
67.5°	3.0
70°	2.2
72.5°	1.5
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)