

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: P1500423

Luminaire Tested: LD4C55D010 EU4559035 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500423
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: LD4C55D010 EU4559035 4LBMH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

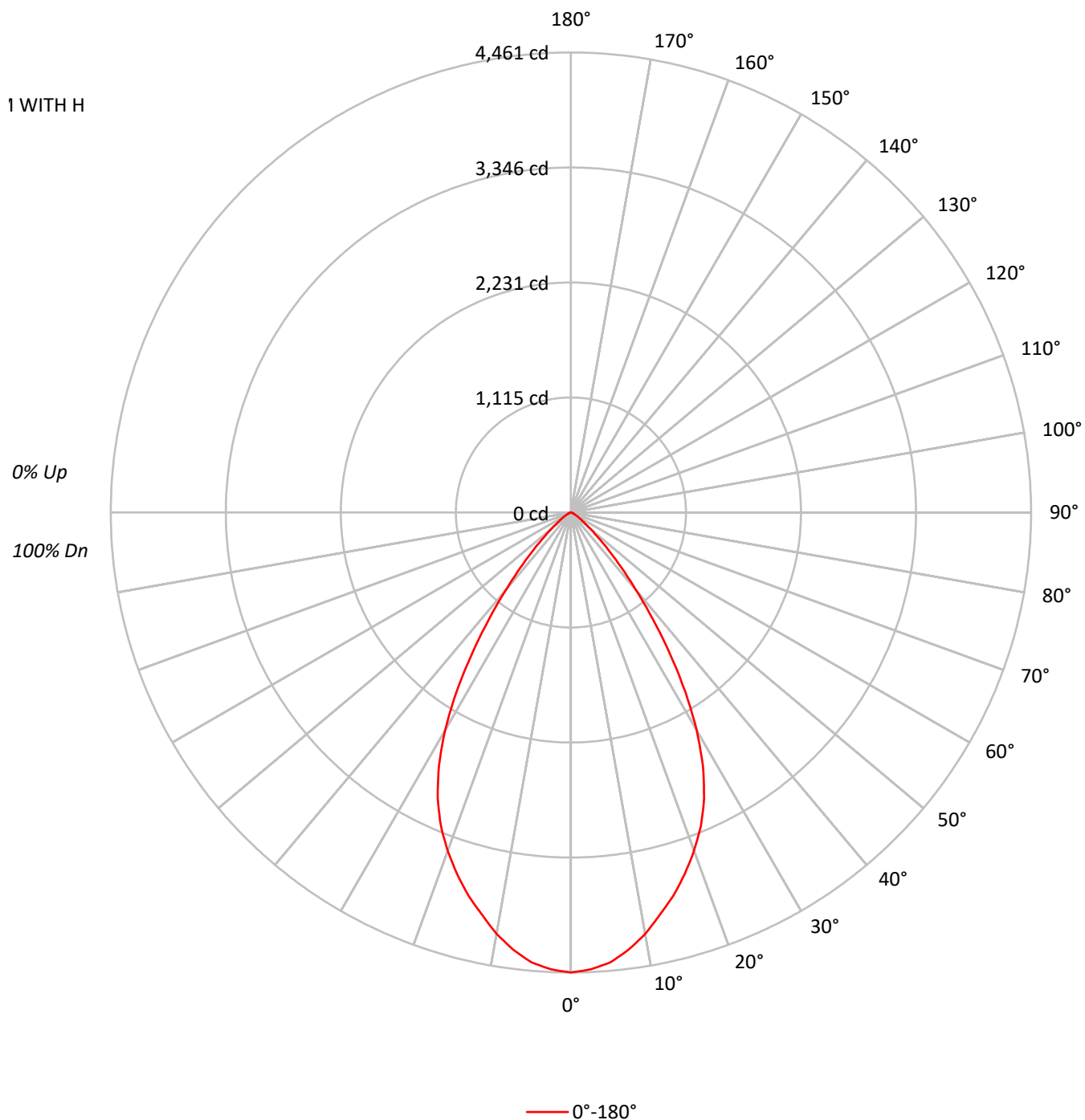
Lumens per Lamp: N/A
Luminaire Lumens: 4499.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	548049
5°	540092
10°	517532
15°	488806
20°	456275
25°	414185
30°	345810
35°	250521
40°	156830
45°	89633
50°	46730
55°	26195
60°	16684
65°	9884
70°	7328
75°	3228
80°	4811
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.5	9.1
10°-20°	1076.9	23.9
20°-30°	1384.0	30.8
30°-40°	1041.3	23.1
40°-50°	418.2	9.3
50°-60°	118.9	2.6
60°-70°	37.6	0.8
70°-80°	10.7	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°	2871.3	63.8
0°-40°	3912.6	87.0
0°-60°	4449.7	98.9
0°-90°	4499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4499.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4461	
5°	4380	410
15°	3843	1077
25°	3056	1384
35°	1670	1041
45°	516	418
55°	122	119
65°	34	38
75°	7	11
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4461.0
2.5°	4433.9
5°	4379.5
7.5°	4277.6
10°	4148.6
12.5°	3992.6
15°	3843.2
17.5°	3673.4
20°	3490.0
22.5°	3293.3
25°	3055.5
27.5°	2770.2
30°	2437.7
32.5°	2064.1
35°	1670.4
37.5°	1303.6
40°	977.9
42.5°	719.7
45°	515.9
47.5°	353.2
50°	244.5
52.5°	169.8
55°	122.3
57.5°	88.3
60°	67.9
62.5°	47.5
65°	34.0
67.5°	27.2
70°	20.4
72.5°	13.6
75°	6.8
77.5°	6.8
80°	6.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)