

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: P1500384

Luminaire Tested: LD4C15D010 EU4159040 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500384
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: LD4C15D010 EU4159040 4LBMH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

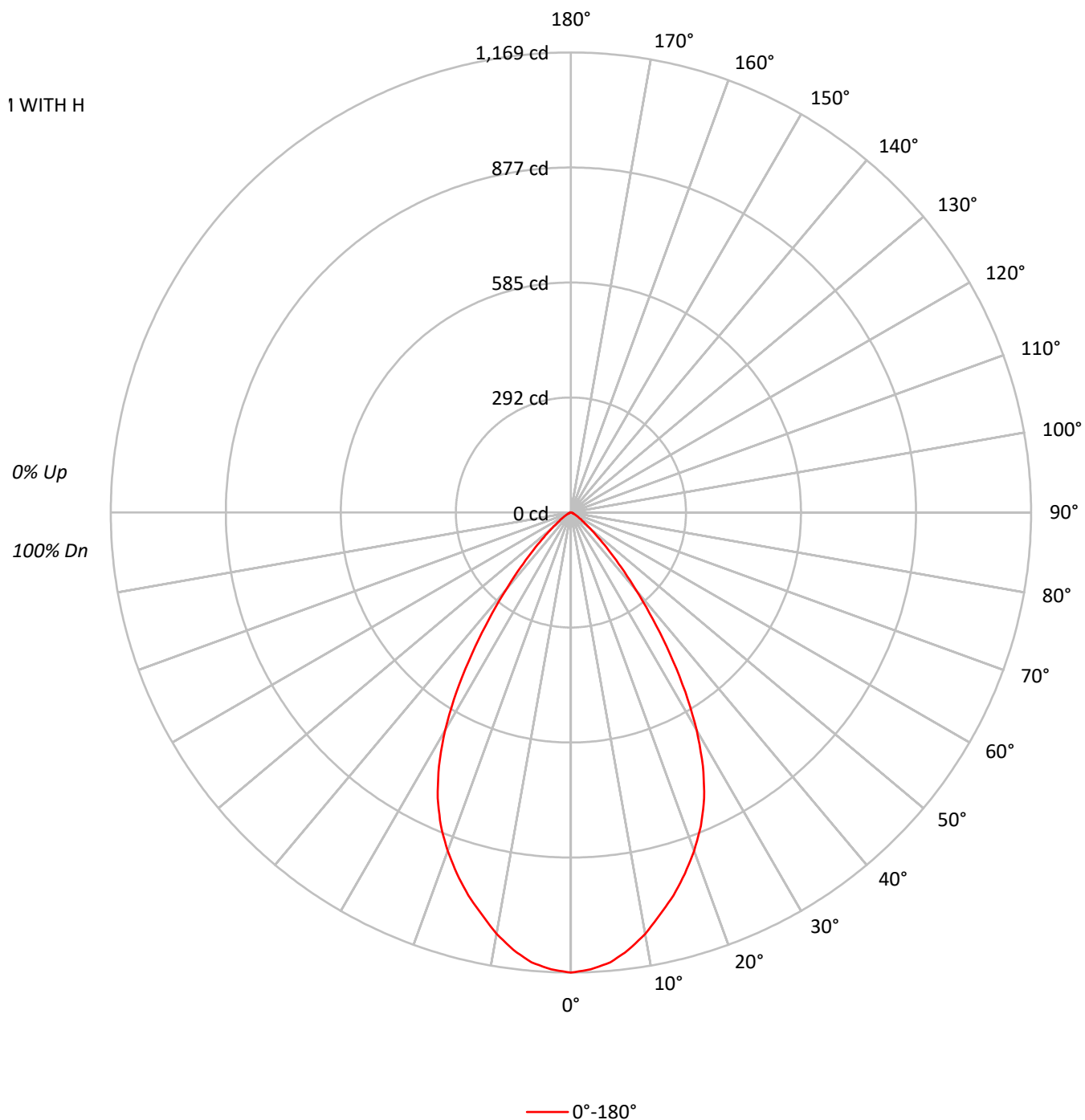
Lumens per Lamp: N/A
Luminaire Lumens: 1179.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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

TEST NUMBER: P1500384

CATALOG NUMBER: LD4C15D010 EU4159040 4LBMH

Luminous Intensity Polar Plot



TEST NUMBER: P1500384

CATALOG NUMBER: LD4C15D010 EU4159040 4LBMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	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		100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		67
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143628
5°	141538
10°	135627
15°	128090
20°	119573
25°	108538
30°	90620
35°	65645
40°	41104
45°	23490
50°	12251
55°	6854
60°	4374
65°	2587
70°	1904
75°	854
80°	1273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23490 cd/sqm

TEST NUMBER: P1500384

CATALOG NUMBER: LD4C15D010 EU4159040 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	9.1
10°-20°	282.2	23.9
20°-30°	362.7	30.8
30°-40°	272.9	23.1
40°-50°	109.6	9.3
50°-60°	31.1	2.6
60°-70°	9.9	0.8
70°-80°	2.8	0.2
80°-90°	0.2	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°	752.5	63.8
0°-40°	1025.3	87.0
0°-60°	1166.1	98.9
0°-90°	1179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1179.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1169	
5°	1148	108
15°	1007	282
25°	801	363
35°	438	273
45°	135	110
55°	32	31
65°	9	10
75°	2	3
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1169.1
2.5°	1161.9
5°	1147.7
7.5°	1121.0
10°	1087.2
12.5°	1046.3
15°	1007.1
17.5°	962.6
20°	914.6
22.5°	863.0
25°	800.7
27.5°	726.0
30°	638.8
32.5°	540.9
35°	437.7
37.5°	341.6
40°	256.3
42.5°	188.6
45°	135.2
47.5°	92.6
50°	64.1
52.5°	44.5
55°	32.0
57.5°	23.1
60°	17.8
62.5°	12.5
65°	8.9
67.5°	7.1
70°	5.3
72.5°	3.6
75°	1.8
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)