

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: P1500424

Luminaire Tested: LD4C55D010 EU4559040 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500424
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 EU4559040 4LBMH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

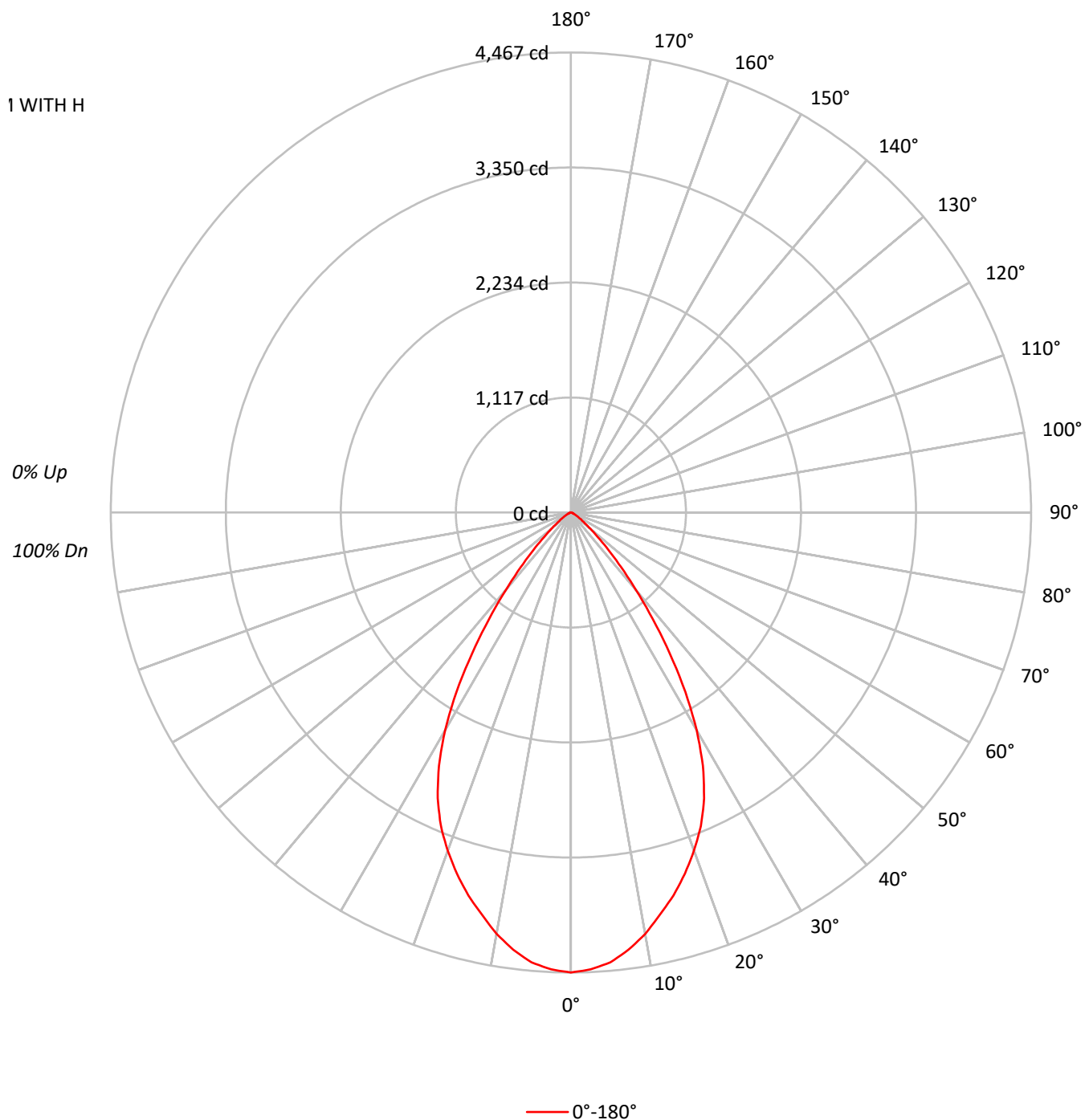
Lumens per Lamp: N/A
Luminaire Lumens: 4504.9 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1500424

CATALOG NUMBER: LD4C55D010 EU4559040 4LBMH

Luminous Intensity Polar Plot



TEST NUMBER: P1500424

CATALOG NUMBER: LD4C55D010 EU4559040 4LBMH

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°	548786
5°	540820
10°	518219
15°	489455
20°	456877
25°	414740
30°	346278
35°	250851
40°	157038
45°	89755
50°	46807
55°	26217
60°	16708
65°	9884
70°	7328
75°	3228
80°	4811
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89755 cd/sqm

TEST NUMBER: P1500424

CATALOG NUMBER: LD4C55D010 EU4559040 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.0	9.1
10°-20°	1078.3	23.9
20°-30°	1385.8	30.8
30°-40°	1042.6	23.1
40°-50°	418.8	9.3
50°-60°	119.0	2.6
60°-70°	37.7	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°	2875.2	63.8
0°-40°	3917.8	87.0
0°-60°	4455.6	98.9
0°-90°	4504.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4504.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4467	
5°	4385	411
15°	3848	1078
25°	3060	1386
35°	1673	1043
45°	517	419
55°	122	119
65°	34	38
75°	7	11
85°	0	1
90°	0	

TEST NUMBER: P1500424

CATALOG NUMBER: LD4C55D010 EU4559040 4LBMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4467.0
2.5°	4439.8
5°	4385.4
7.5°	4283.3
10°	4154.1
12.5°	3998.0
15°	3848.3
17.5°	3678.3
20°	3494.6
22.5°	3297.7
25°	3059.6
27.5°	2773.9
30°	2441.0
32.5°	2066.8
35°	1672.6
37.5°	1305.3
40°	979.2
42.5°	720.7
45°	516.6
47.5°	353.7
50°	244.9
52.5°	170.0
55°	122.4
57.5°	88.4
60°	68.0
62.5°	47.6
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)