

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: P1500404

Luminaire Tested: LD4C35D010 EU4359040 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500404
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: LD4C35D010 EU4359040 4LBMH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

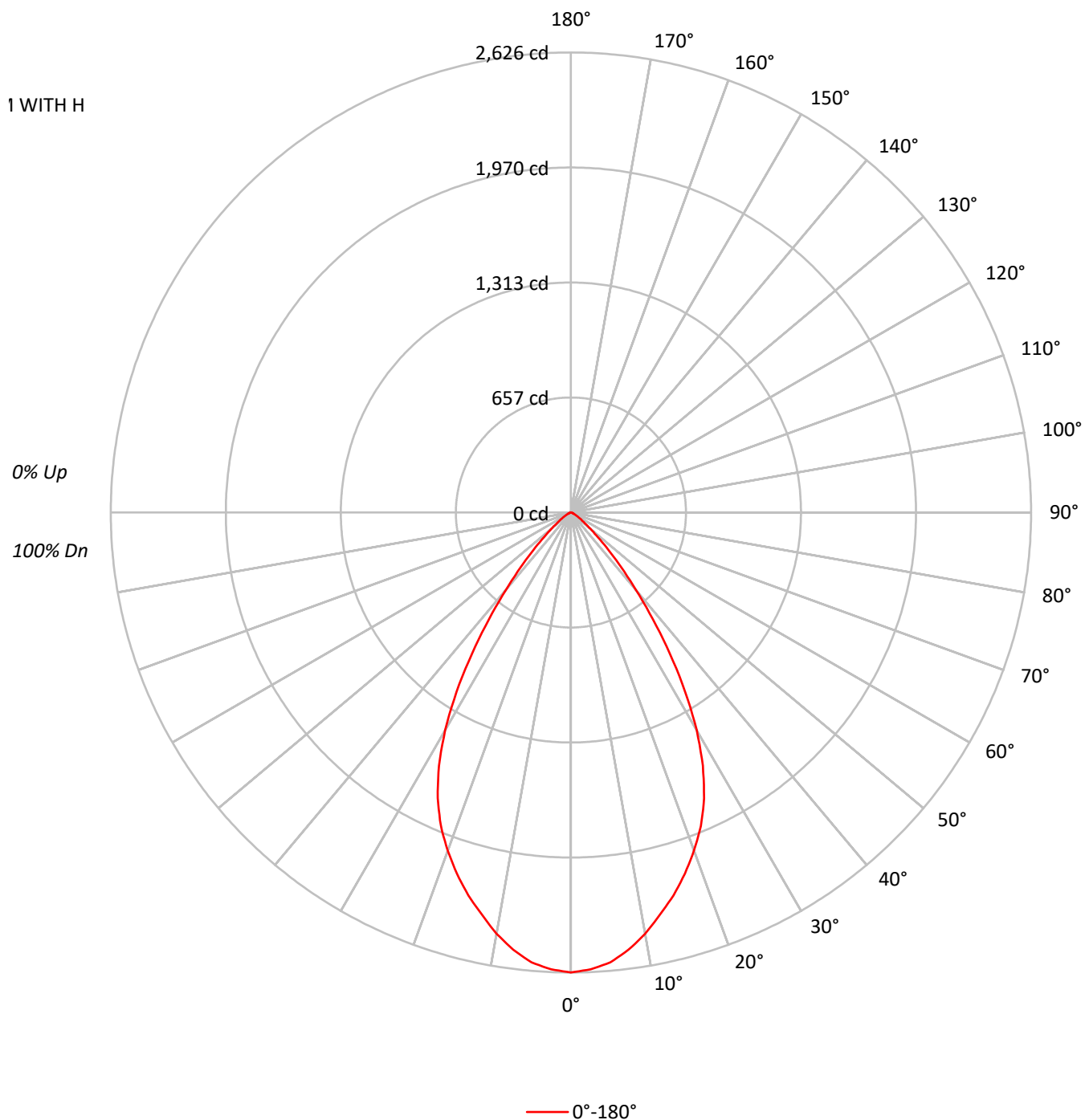
Lumens per Lamp: N/A
Luminaire Lumens: 2648.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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: P1500404

CATALOG NUMBER: LD4C35D010 EU4359040 4LBMH

Luminous Intensity Polar Plot



TEST NUMBER: P1500404

CATALOG NUMBER: LD4C35D010 EU4359040 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°	322576
5°	317889
10°	304599
15°	287698
20°	268549
25°	243780
30°	203539
35°	147457
40°	92295
45°	52765
50°	27503
55°	15422
60°	9828
65°	5814
70°	4310
75°	1899
80°	2830
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52765 cd/sqm

TEST NUMBER: P1500404

CATALOG NUMBER: LD4C35D010 EU4359040 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.6	9.1
10°-20°	633.8	23.9
20°-30°	814.6	30.8
30°-40°	612.9	23.1
40°-50°	246.1	9.3
50°-60°	70.0	2.6
60°-70°	22.2	0.8
70°-80°	6.3	0.2
80°-90°	0.5	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°	1690.0	63.8
0°-40°	2302.9	87.0
0°-60°	2619.0	98.9
0°-90°	2648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2648.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2626	
5°	2578	242
15°	2262	634
25°	1798	815
35°	983	613
45°	304	246
55°	72	70
65°	20	22
75°	4	6
85°	0	1
90°	0	

TEST NUMBER: P1500404

CATALOG NUMBER: LD4C35D010 EU4359040 4LBMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2625.7
2.5°	2609.7
5°	2577.7
7.5°	2517.7
10°	2441.7
12.5°	2350.0
15°	2262.0
17.5°	2162.1
20°	2054.1
22.5°	1938.3
25°	1798.4
27.5°	1630.5
30°	1434.8
32.5°	1214.9
35°	983.2
37.5°	767.3
40°	575.5
42.5°	423.6
45°	303.7
47.5°	207.9
50°	143.9
52.5°	100.0
55°	72.0
57.5°	52.0
60°	40.0
62.5°	28.0
65°	20.0
67.5°	16.0
70°	12.0
72.5°	8.0
75°	4.0
77.5°	4.0
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)