

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: P1500445

Luminaire Tested: LD4C75D010 EU4759050 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500445
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: LD4C75D010 EU4759050 4LBMH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

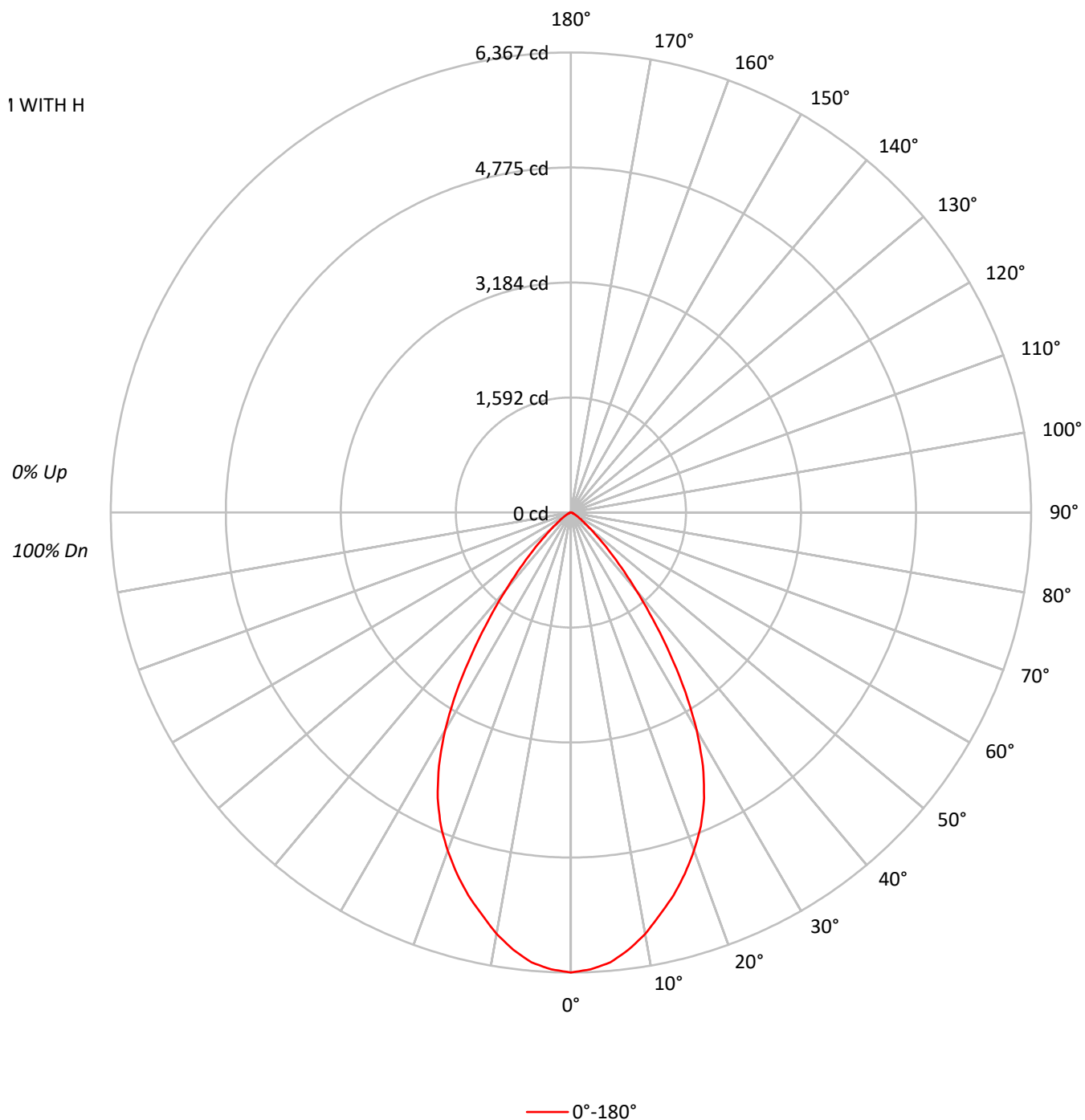
Lumens per Lamp: N/A
Luminaire Lumens: 6421.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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°	782184
5°	770829
10°	738625
15°	697622
20°	651193
25°	591137
30°	493542
35°	357544
40°	223818
45°	127943
50°	66703
55°	37376
60°	23809
65°	14099
70°	10453
75°	4604
80°	6863
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 127943 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.8	9.1
10°-20°	1536.9	23.9
20°-30°	1975.2	30.8
30°-40°	1486.1	23.1
40°-50°	596.9	9.3
50°-60°	169.7	2.6
60°-70°	53.7	0.8
70°-80°	15.3	0.2
80°-90°	1.3	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°	4098.0	63.8
0°-40°	5584.1	87.0
0°-60°	6350.6	98.9
0°-90°	6421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6367	
5°	6250	586
15°	5485	1537
25°	4361	1975
35°	2384	1486
45°	736	597
55°	174	170
65°	48	54
75°	10	15
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6366.8
2.5°	6328.0
5°	6250.5
7.5°	6105.1
10°	5920.9
12.5°	5698.3
15°	5485.0
17.5°	5242.7
20°	4980.9
22.5°	4700.2
25°	4360.9
27.5°	3953.7
30°	3479.1
32.5°	2945.9
35°	2384.0
37.5°	1860.5
40°	1395.6
42.5°	1027.2
45°	736.4
47.5°	504.1
50°	349.0
52.5°	242.4
55°	174.5
57.5°	126.0
60°	96.9
62.5°	67.9
65°	48.5
67.5°	38.8
70°	29.1
72.5°	19.4
75°	9.7
77.5°	9.7
80°	9.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)