

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: P1500442

Luminaire Tested: LD4C75D010 EU4759030 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500442
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 EU4759030 4LBMH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

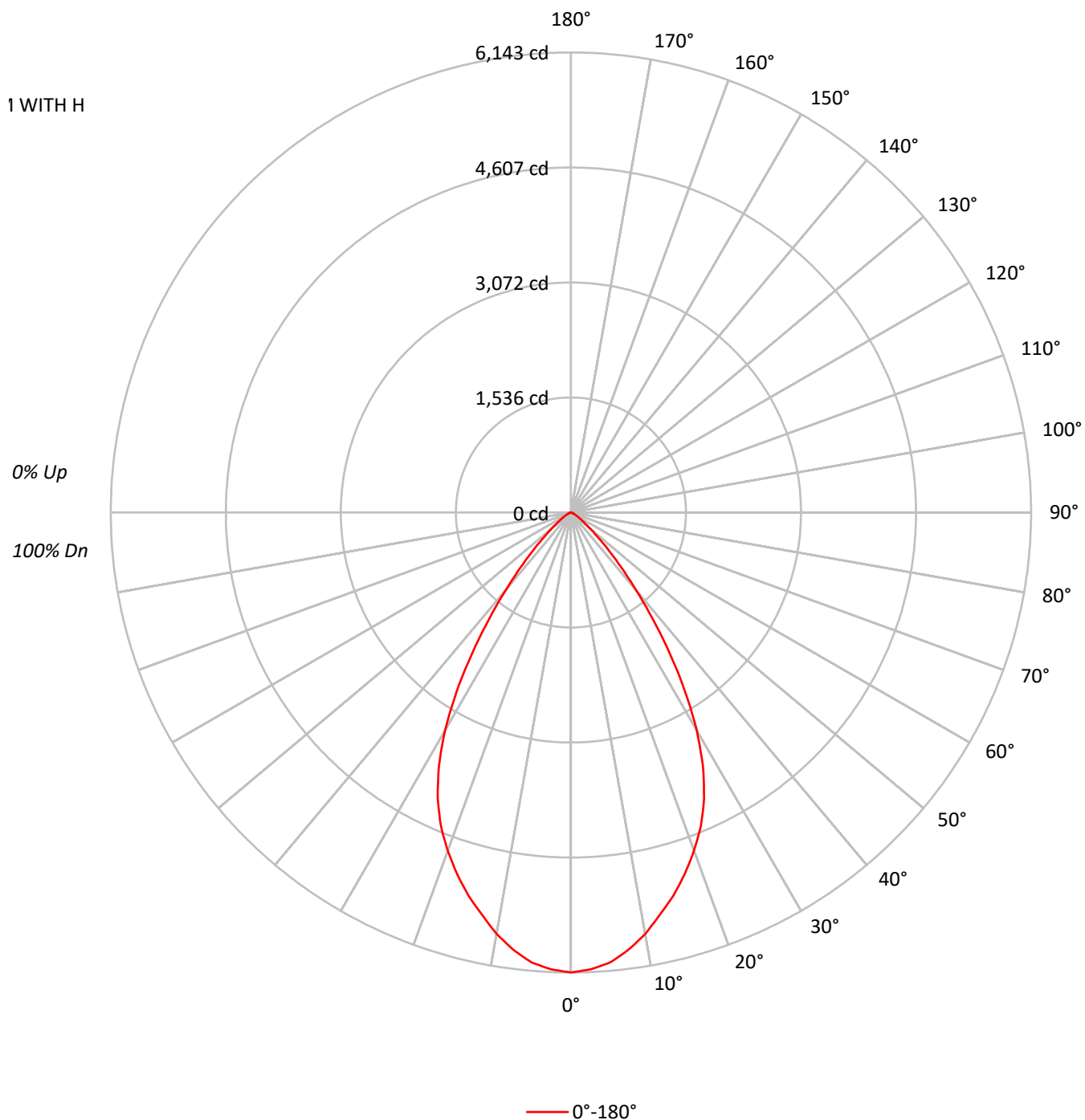
Lumens per Lamp: N/A
Luminaire Lumens: 6195.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	754652
5°	743698
10°	712627
15°	673075
20°	628274
25°	570329
30°	476164
35°	344961
40°	215943
45°	123426
50°	64352
55°	36069
60°	22974
65°	13605
70°	10094
75°	4462
80°	6650
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 123426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.2	9.1
10°-20°	1482.9	23.9
20°-30°	1905.7	30.8
30°-40°	1433.8	23.1
40°-50°	575.9	9.3
50°-60°	163.7	2.6
60°-70°	51.8	0.8
70°-80°	14.8	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°	3953.8	63.8
0°-40°	5387.6	87.0
0°-60°	6127.1	98.9
0°-90°	6195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6195.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6143	
5°	6030	565
15°	5292	1483
25°	4207	1906
35°	2300	1434
45°	710	576
55°	168	164
65°	47	52
75°	9	15
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6142.7
2.5°	6105.3
5°	6030.5
7.5°	5890.2
10°	5712.5
12.5°	5497.8
15°	5292.0
17.5°	5058.1
20°	4805.6
22.5°	4534.8
25°	4207.4
27.5°	3814.5
30°	3356.6
32.5°	2842.2
35°	2300.1
37.5°	1795.0
40°	1346.5
42.5°	991.1
45°	710.4
47.5°	486.4
50°	336.7
52.5°	233.8
55°	168.4
57.5°	121.6
60°	93.5
62.5°	65.5
65°	46.8
67.5°	37.4
70°	28.1
72.5°	18.7
75°	9.4
77.5°	9.4
80°	9.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)