

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: P1500444

Luminaire Tested: LD4C75D010 EU4759040 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500444
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 EU4759040 4LBMH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

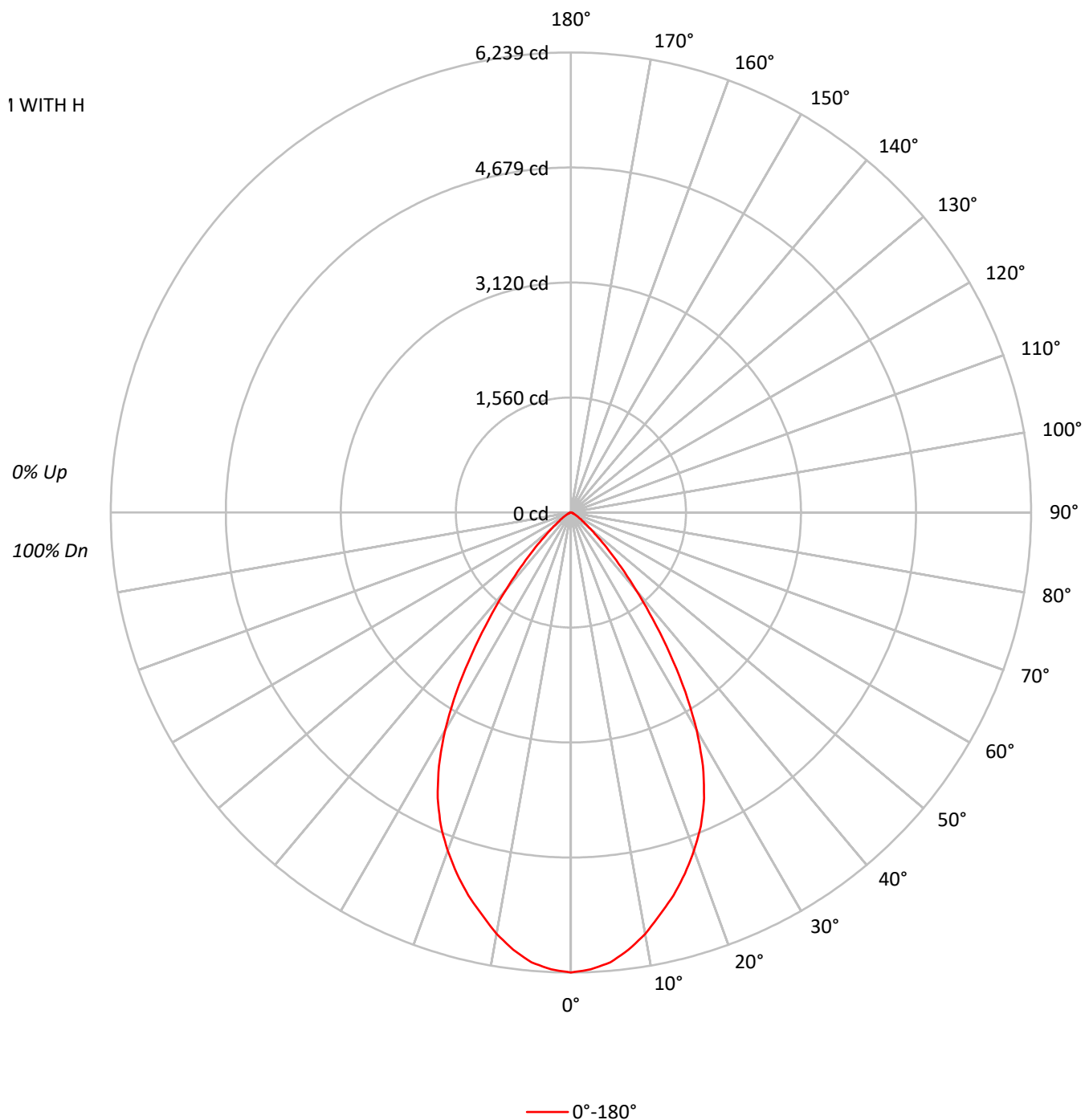
Lumens per Lamp: N/A
Luminaire Lumens: 6292.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	766471
5°	755340
10°	723779
15°	683606
20°	638106
25°	579262
30°	483626
35°	350360
40°	219327
45°	125372
50°	65365
55°	36626
60°	23342
65°	13808
70°	10237
75°	4509
80°	6721
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 125372 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.1	9.1
10°-20°	1506.1	23.9
20°-30°	1935.6	30.8
30°-40°	1456.2	23.1
40°-50°	584.9	9.3
50°-60°	166.3	2.6
60°-70°	52.6	0.8
70°-80°	15.0	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°	4015.7	63.8
0°-40°	5471.9	87.0
0°-60°	6223.1	98.9
0°-90°	6292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6292.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6239	
5°	6125	574
15°	5375	1506
25°	4273	1936
35°	2336	1456
45°	722	585
55°	171	166
65°	48	53
75°	10	15
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6238.9
2.5°	6200.9
5°	6124.9
7.5°	5982.4
10°	5801.9
12.5°	5583.8
15°	5374.8
17.5°	5137.3
20°	4880.8
22.5°	4605.8
25°	4273.3
27.5°	3874.3
30°	3409.2
32.5°	2886.7
35°	2336.1
37.5°	1823.1
40°	1367.6
42.5°	1006.6
45°	721.6
47.5°	494.0
50°	342.0
52.5°	237.5
55°	171.0
57.5°	123.5
60°	95.0
62.5°	66.5
65°	47.5
67.5°	38.0
70°	28.5
72.5°	19.0
75°	9.5
77.5°	9.5
80°	9.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)