

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: P1500432

Luminaire Tested: LD4C65D010 EU4659030 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500432
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: LD4C65D010 EU4659030 4LBMH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

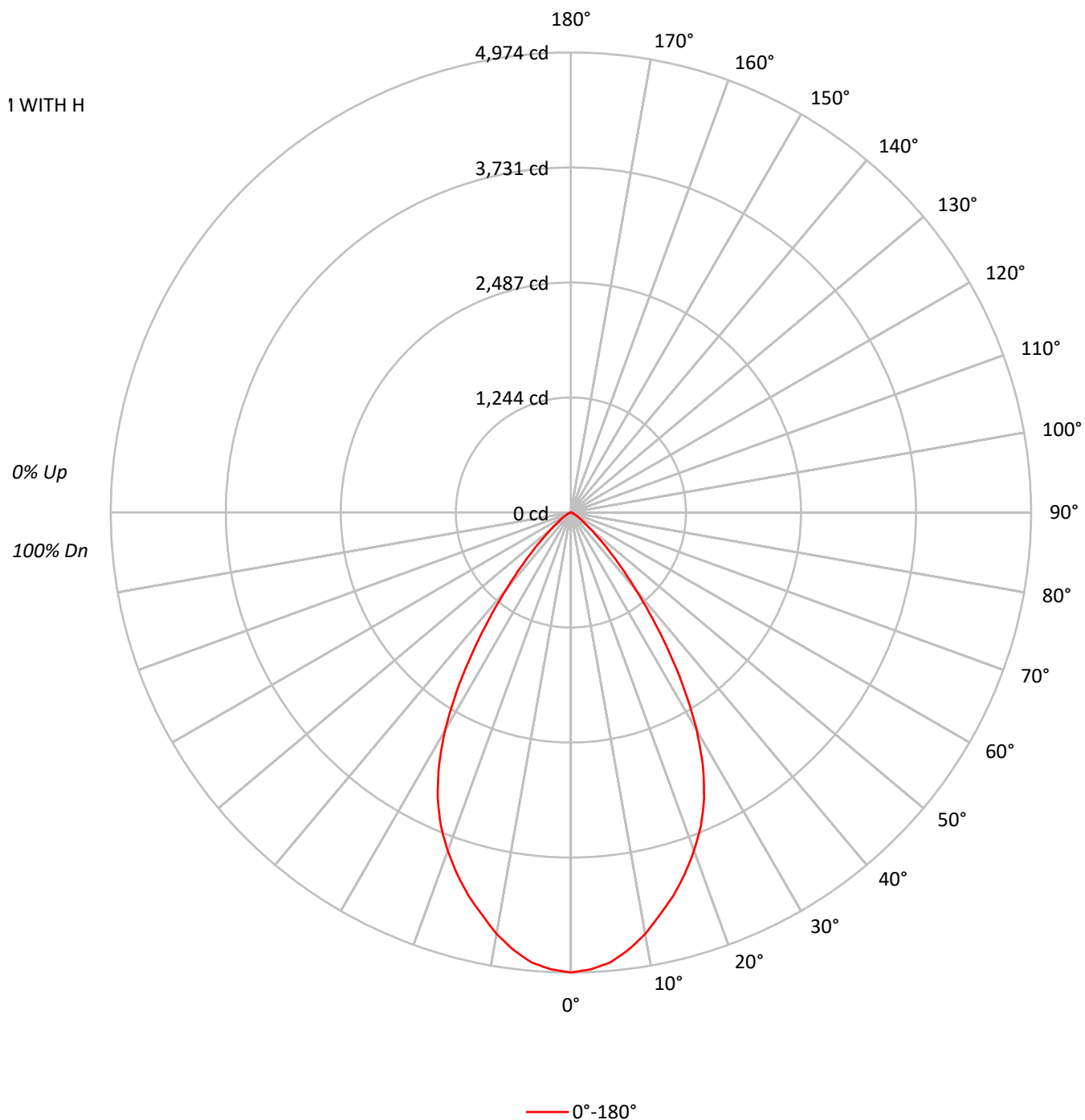
Lumens per Lamp: N/A
Luminaire Lumens: 5016.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

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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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		67
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	611036
5°	602160
10°	577000
15°	544972
20°	508701
25°	461791
30°	385544
35°	279316
40°	174840
45°	99936
50°	52101
55°	29194
60°	18600
65°	11017
70°	8154
75°	3607
80°	5377
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 99936 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.7	9.1
10°-20°	1200.6	23.9
20°-30°	1543.0	30.8
30°-40°	1160.9	23.1
40°-50°	466.2	9.3
50°-60°	132.5	2.6
60°-70°	42.0	0.8
70°-80°	12.0	0.2
80°-90°	1.0	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°	3201.3	63.8
0°-40°	4362.2	87.0
0°-60°	4961.0	98.9
0°-90°	5016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5016.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4974	
5°	4883	458
15°	4285	1201
25°	3407	1543
35°	1862	1161
45°	575	466
55°	136	133
65°	38	42
75°	8	12
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4973.7
2.5°	4943.4
5°	4882.8
7.5°	4769.2
10°	4625.3
12.5°	4451.5
15°	4284.8
17.5°	4095.5
20°	3891.0
22.5°	3671.7
25°	3406.7
27.5°	3088.6
30°	2717.8
32.5°	2301.3
35°	1862.4
37.5°	1453.4
40°	1090.2
42.5°	802.4
45°	575.2
47.5°	393.8
50°	272.6
52.5°	189.3
55°	136.3
57.5°	98.5
60°	75.7
62.5°	53.0
65°	37.9
67.5°	30.3
70°	22.7
72.5°	15.1
75°	7.6
77.5°	7.6
80°	7.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)