

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: P1500422

Luminaire Tested: LD4C55D010 EU4559030 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500422
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: LD4C55D010 EU4559030 4LBMH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

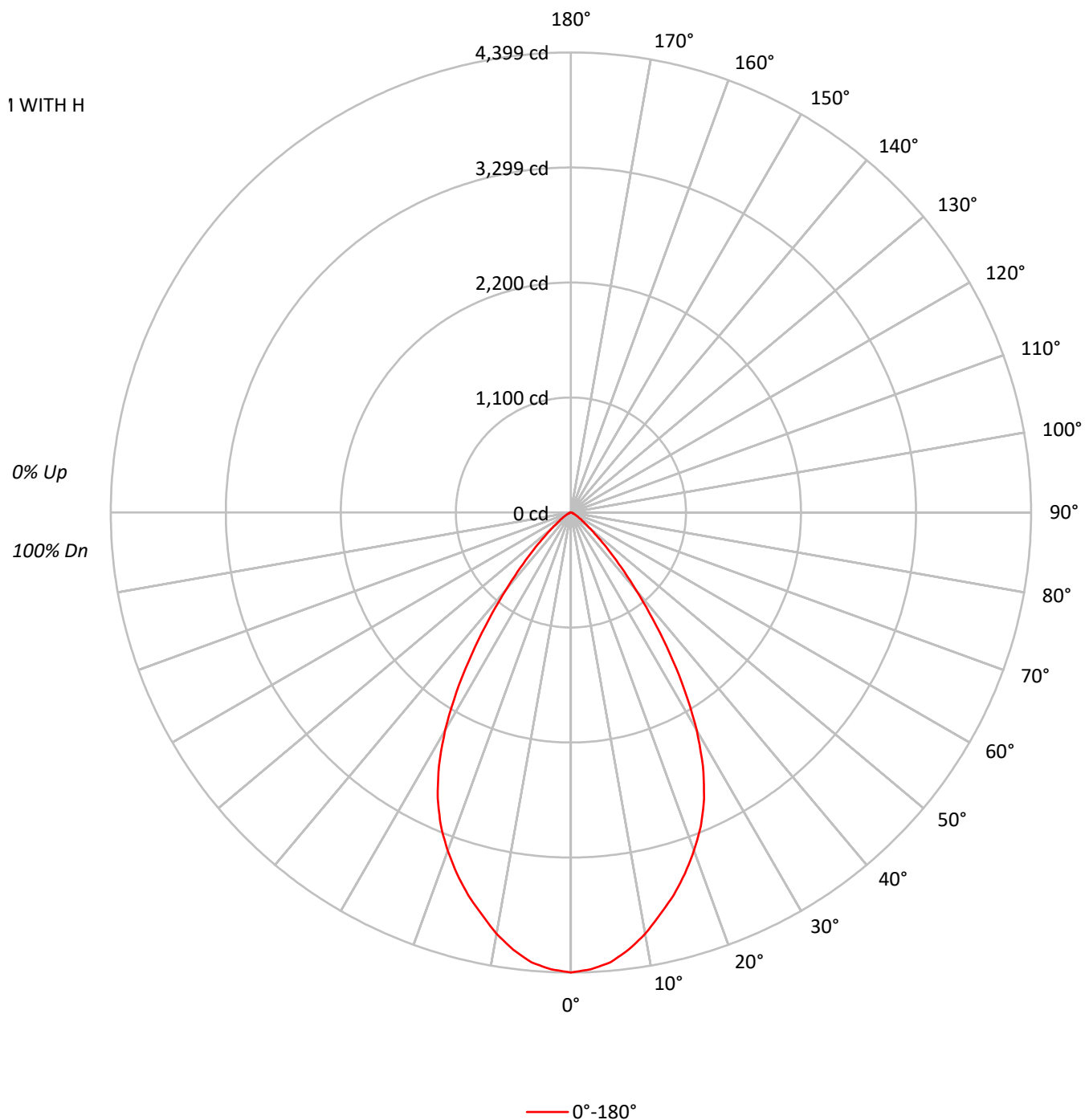
Lumens per Lamp: N/A
Luminaire Lumens: 4436.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	540383
5°	532532
10°	510285
15°	481963
20°	449882
25°	408397
30°	340972
35°	247011
40°	154632
45°	88382
50°	46080
55°	25831
60°	16462
65°	9738
70°	7220
75°	3180
80°	4740
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.7	9.1
10°-20°	1061.8	23.9
20°-30°	1364.6	30.8
30°-40°	1026.7	23.1
40°-50°	412.4	9.3
50°-60°	117.2	2.6
60°-70°	37.1	0.8
70°-80°	10.6	0.2
80°-90°	0.9	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°	2831.1	63.8
0°-40°	3857.8	87.0
0°-60°	4387.4	98.9
0°-90°	4436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4399	
5°	4318	405
15°	3789	1062
25°	3013	1365
35°	1647	1027
45°	509	412
55°	121	117
65°	34	37
75°	7	11
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4398.6
2.5°	4371.8
5°	4318.2
7.5°	4217.7
10°	4090.5
12.5°	3936.7
15°	3789.4
17.5°	3621.9
20°	3441.1
22.5°	3247.2
25°	3012.8
27.5°	2731.4
30°	2403.6
32.5°	2035.2
35°	1647.0
37.5°	1285.4
40°	964.2
42.5°	709.7
45°	508.7
47.5°	348.3
50°	241.1
52.5°	167.4
55°	120.6
57.5°	87.1
60°	67.0
62.5°	46.9
65°	33.5
67.5°	26.8
70°	20.1
72.5°	13.4
75°	6.7
77.5°	6.7
80°	6.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)