

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: P746544

Luminaire Tested: LD4D30D010-EU4DR6520359030-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P746544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR6520359030-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2293.5 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): 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

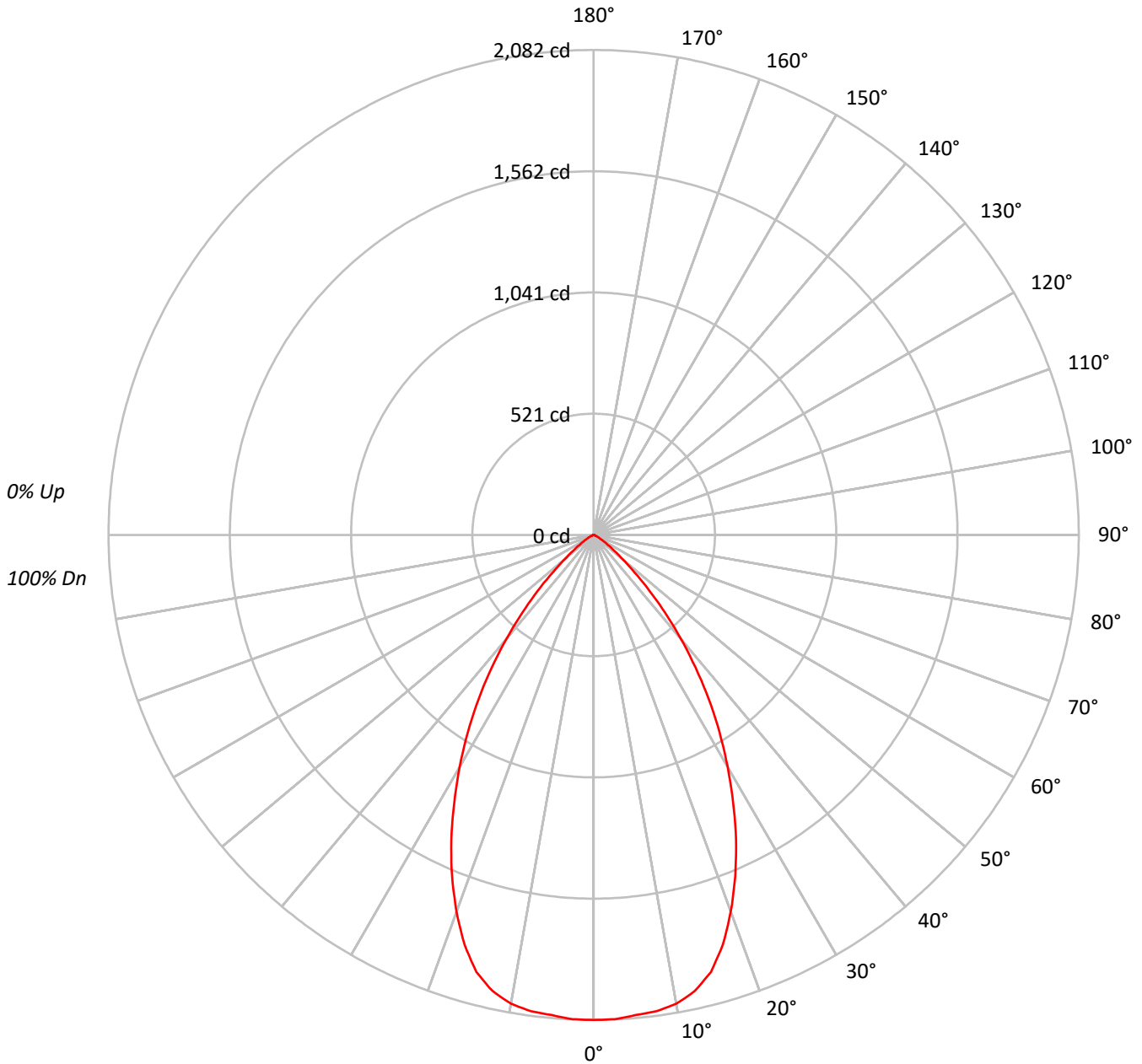


Downlight



TEST NUMBER: P746544
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	100						100													
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93						93													
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85						85													
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78						78													
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72						72													
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66						66													
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61						61													
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56						56													
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52						52													
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49						49													
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46						46													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121620
5°	121317
10°	121213
15°	117476
20°	106945
25°	93195
30°	77514
35°	61416
40°	44326
45°	28008
50°	14601
55°	7759
60°	4077
65°	2239
70°	939
75°	1038
80°	706
85°	603

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28008 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	8.6
10°-20°	539.3	23.5
20°-30°	659.2	28.7
30°-40°	534.8	23.3
40°-50°	266.5	11.6
50°-60°	74.3	3.2
60°-70°	16.9	0.7
70°-80°	4.4	0.2
80°-90°	1.1	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°	1395.4	60.8
0°-40°	1930.2	84.2
0°-60°	2271.1	99.0
0°-90°	2293.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2082	
5°	2069	197
15°	1943	539
25°	1446	659
35°	861	535
45°	339	267
55°	76	74
65°	16	17
75°	5	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2082.4
2.5°	2081.0
5°	2069.3
7.5°	2062.6
10°	2043.9
12.5°	2006.0
15°	1942.9
17.5°	1844.4
20°	1720.7
22.5°	1587.3
25°	1446.2
27.5°	1295.4
30°	1149.4
32.5°	1005.3
35°	861.4
37.5°	717.9
40°	581.4
42.5°	453.5
45°	339.1
47.5°	236.2
50°	160.7
52.5°	110.8
55°	76.2
57.5°	51.4
60°	34.9
62.5°	24.2
65°	16.2
67.5°	8.3
70°	5.5
72.5°	5.2
75°	4.6
77.5°	3.0
80°	2.1
82.5°	1.5
85°	0.9
87.5°	0.6
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)