

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: P746645

Luminaire Tested: LD4D30D010-EU4DR7020359040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR7020359040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2932.8 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' 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

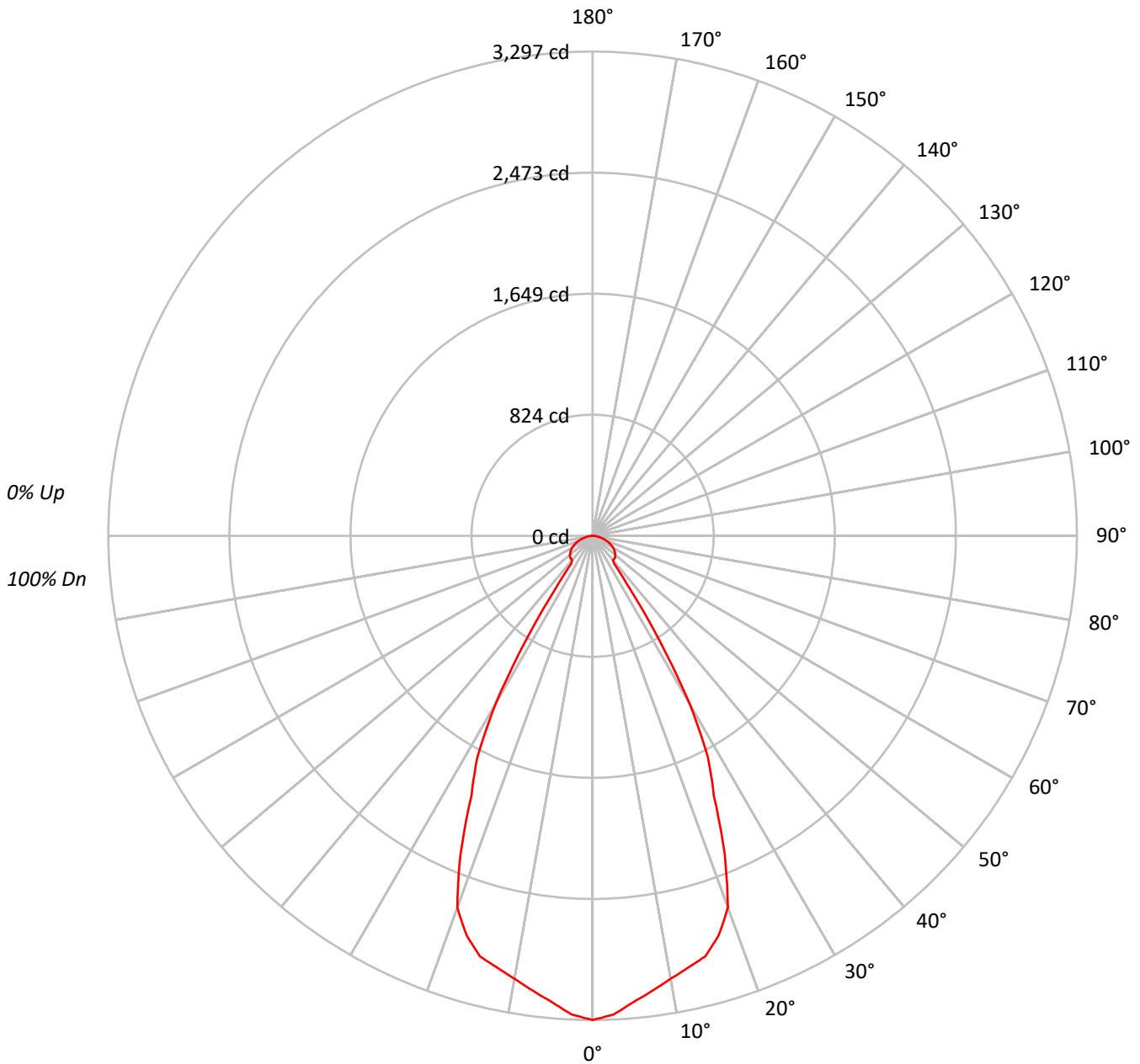


Downlight



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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									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	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																											
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																											
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																											
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																											
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																											
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																											
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																											
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																											
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																											
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																											
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	360265
5°	349566
10°	339817
15°	335364
20°	313158
25°	235265
30°	166309
35°	58915
40°	30965
45°	32990
50°	34166
55°	34803
60°	35029
65°	34281
70°	32361
75°	29973
80°	26615
85°	21562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 35037 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.6	10.3
10°-20°	824.6	28.1
20°-30°	908.2	31.0
30°-40°	347.0	11.8
40°-50°	163.8	5.6
50°-60°	162.9	5.6
60°-70°	130.4	4.4
70°-80°	75.0	2.6
80°-90°	20.4	0.7
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°	2033.4	69.3
0°-40°	2380.4	81.2
0°-60°	2707.1	92.3
0°-90°	2932.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2932.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3297	
5°	3187	301
15°	2965	825
25°	1952	908
35°	442	347
45°	214	164
55°	183	163
65°	133	130
75°	71	75
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3297.3
2.5°	3262.8
5°	3187.2
7.5°	3124.0
10°	3062.9
12.5°	3011.2
15°	2964.8
17.5°	2852.6
20°	2693.3
22.5°	2349.8
25°	1951.5
27.5°	1698.8
30°	1318.2
32.5°	851.5
35°	441.7
37.5°	238.6
40°	217.1
42.5°	215.6
45°	213.5
47.5°	208.8
50°	201.0
52.5°	192.1
55°	182.7
57.5°	172.3
60°	160.3
62.5°	146.7
65°	132.6
67.5°	116.9
70°	101.3
72.5°	85.6
75°	71.0
77.5°	55.9
80°	42.3
82.5°	29.7
85°	17.2
87.5°	6.8
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)