

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



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: P754397

Luminaire Tested: LD4D80BD010-EU4DR7070959024-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P754397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D80BD010-EU4DR7070959024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6929.1 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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

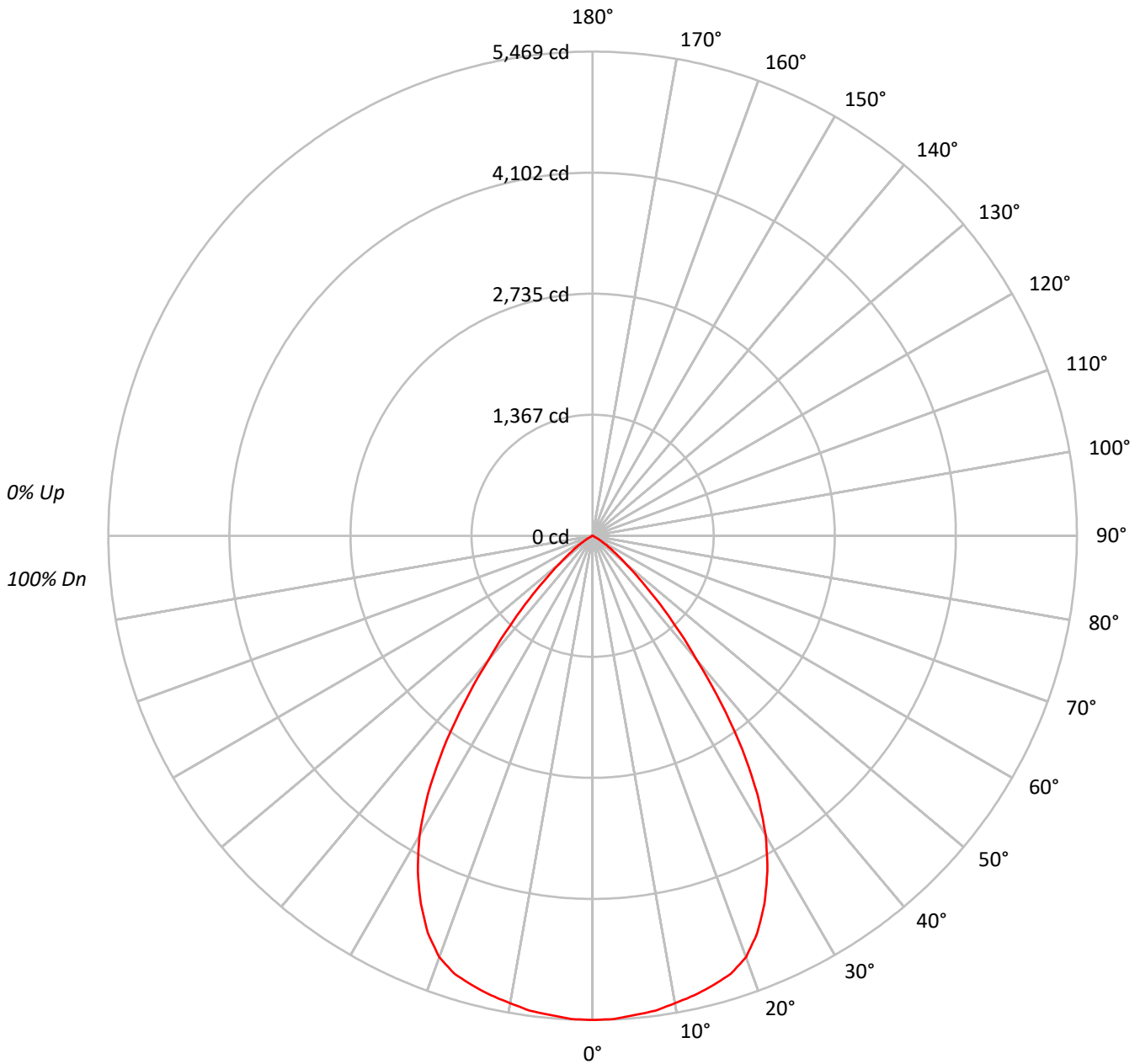


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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	106	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	85	82	87	84	81	85	82	79	78				78															
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65				65															
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				60															
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56				56															
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51															
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48				48															
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44				44															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	597558
5°	596068
10°	594772
15°	594612
20°	588794
25°	553098
30°	493085
35°	393146
40°	261041
45°	156063
50°	80910
55°	42517
60°	15034
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 156063 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.8	7.5
10°-20°	1482.3	21.4
20°-30°	2091.1	30.2
30°-40°	1805.2	26.1
40°-50°	808.4	11.7
50°-60°	211.6	3.1
60°-70°	13.8	0.2
70°-80°	0.0	0.0
80°-90°	0.0	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°	4090.2	59.0
0°-40°	5895.4	85.1
0°-60°	6915.4	99.8
0°-90°	6929.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6929.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5469	
5°	5435	517
15°	5257	1482
25°	4588	2091
35°	2948	1805
45°	1010	808
55°	223	212
65°	1	14
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5469.1
2.5°	5463.2
5°	5434.7
7.5°	5411.1
10°	5360.9
12.5°	5315.7
15°	5256.7
17.5°	5188.8
20°	5063.9
22.5°	4858.4
25°	4587.9
27.5°	4274.2
30°	3908.3
32.5°	3460.9
35°	2947.5
37.5°	2381.0
40°	1830.2
42.5°	1390.6
45°	1010.0
47.5°	696.3
50°	476.0
52.5°	328.5
55°	223.2
57.5°	134.7
60°	68.8
62.5°	21.6
65°	1.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)