

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: P746477

Luminaire Tested: LD4D30D010-EU4DR6020359035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR6020359035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2977.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

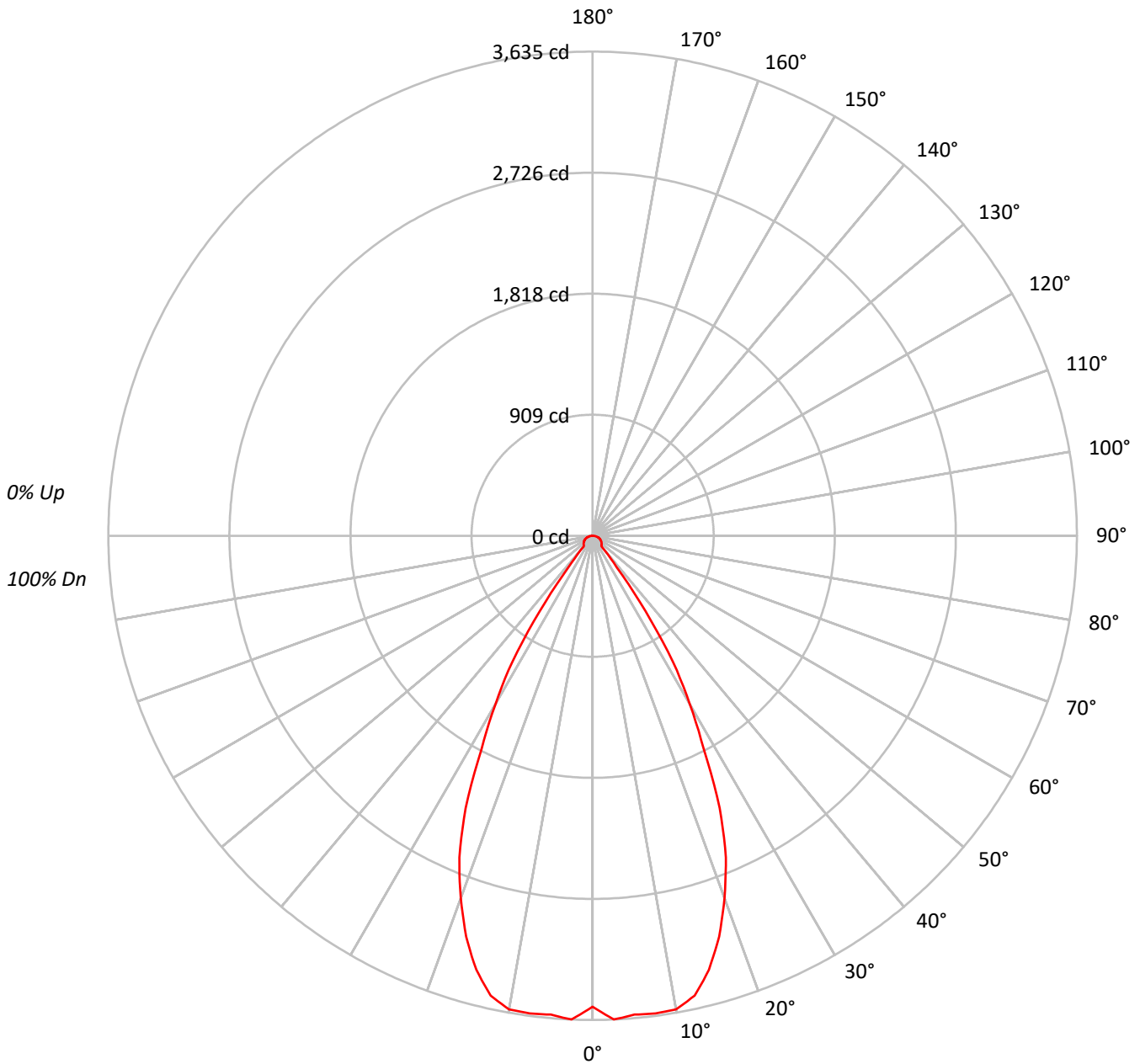


Downlight



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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				70				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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	386302
5°	395806
10°	400583
15°	381605
20°	336459
25°	272143
30°	184085
35°	92248
40°	14962
45°	14648
50°	14941
55°	15163
60°	15581
65°	15926
70°	16292
75°	16506
80°	15919
85°	13288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 16506 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.9	11.6
10°-20°	933.2	31.3
20°-30°	1004.0	33.7
30°-40°	436.4	14.7
40°-50°	73.3	2.5
50°-60°	71.3	2.4
60°-70°	60.9	2.0
70°-80°	40.8	1.4
80°-90°	12.2	0.4
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°	2282.1	76.7
0°-40°	2718.5	91.3
0°-60°	2863.1	96.2
0°-90°	2977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2977.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3536	
5°	3609	345
15°	3374	933
25°	2257	1004
35°	692	436
45°	95	73
55°	80	71
65°	62	61
75°	39	41
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3535.6
2.5°	3635.0
5°	3608.8
7.5°	3617.1
10°	3610.6
12.5°	3536.1
15°	3373.6
17.5°	3155.6
20°	2893.7
22.5°	2613.5
25°	2257.4
27.5°	1805.5
30°	1459.1
32.5°	1124.5
35°	691.6
37.5°	295.9
40°	104.9
42.5°	96.6
45°	94.8
47.5°	91.6
50°	87.9
52.5°	83.8
55°	79.6
57.5°	75.5
60°	71.3
62.5°	66.7
65°	61.6
67.5°	56.6
70°	51.0
72.5°	45.1
75°	39.1
77.5°	32.2
80°	25.3
82.5°	17.9
85°	10.6
87.5°	3.7
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)