

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: P746488

Luminaire Tested: LD4D30D010-EU4DR6020359040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746488
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-EU4DR6020359040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2294.4 lumens
Efficiency: N/A
Efficacy: 79.1 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 (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



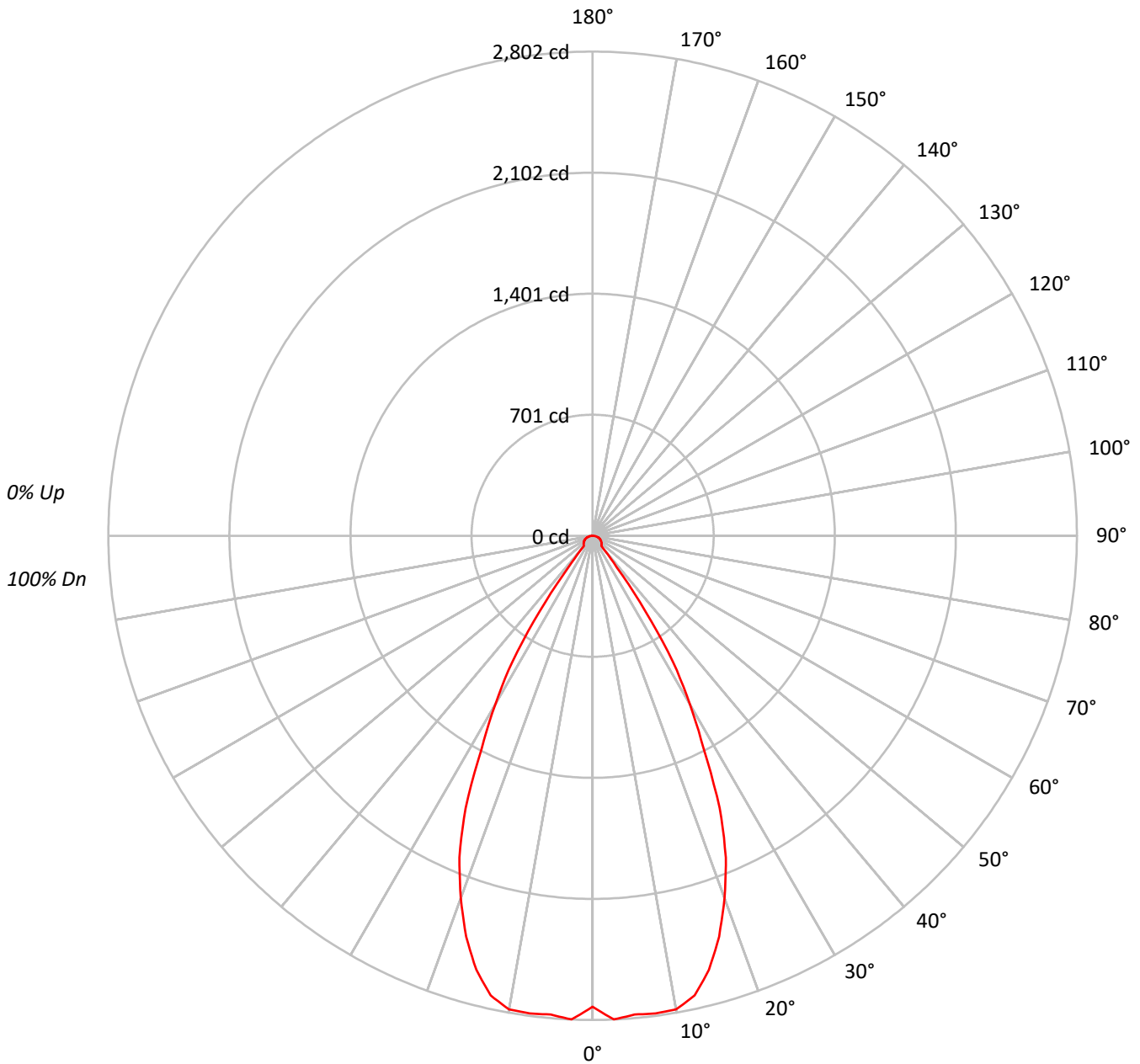
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297736
5°	305048
10°	308741
15°	294110
20°	259323
25°	209743
30°	141871
35°	71093
40°	11524
45°	11295
50°	11508
55°	11696
60°	11997
65°	12280
70°	12587
75°	12707
80°	12270
85°	10154

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	11.6
10°-20°	719.2	31.3
20°-30°	773.8	33.7
30°-40°	336.3	14.7
40°-50°	56.5	2.5
50°-60°	54.9	2.4
60°-70°	47.0	2.0
70°-80°	31.4	1.4
80°-90°	9.4	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°	1758.9	76.7
0°-40°	2095.2	91.3
0°-60°	2206.6	96.2
0°-90°	2294.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2294.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2725	
5°	2781	266
15°	2600	719
25°	1740	774
35°	533	336
45°	73	57
55°	61	55
65°	48	47
75°	30	31
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2725.0
2.5°	2801.6
5°	2781.3
7.5°	2787.7
10°	2782.8
12.5°	2725.3
15°	2600.1
17.5°	2432.1
20°	2230.3
22.5°	2014.3
25°	1739.8
27.5°	1391.6
30°	1124.5
32.5°	866.7
35°	533.0
37.5°	228.0
40°	80.8
42.5°	74.5
45°	73.1
47.5°	70.6
50°	67.7
52.5°	64.5
55°	61.4
57.5°	58.2
60°	54.9
62.5°	51.4
65°	47.5
67.5°	43.6
70°	39.4
72.5°	34.8
75°	30.1
77.5°	24.8
80°	19.5
82.5°	13.8
85°	8.1
87.5°	2.9
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)