

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: P746647

Luminaire Tested: LD4D30D010-EU4DR7020359040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746647
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-EU4DR7020359040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2290.9 lumens
Efficiency: N/A
Efficacy: 79.0 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 (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



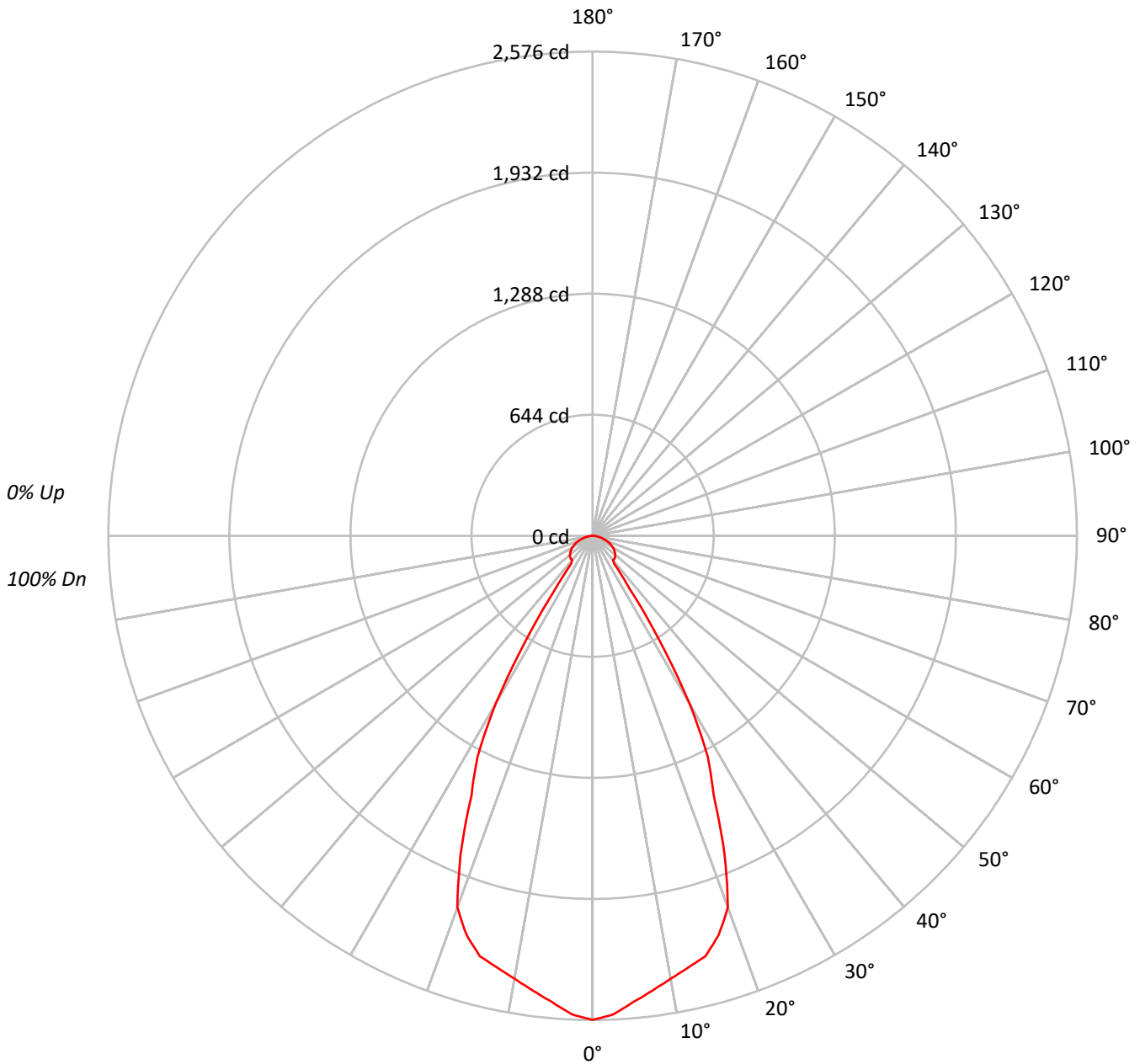
Downlight



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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	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°	281401
5°	273044
10°	265428
15°	261952
20°	244603
25°	183763
30°	129898
35°	46017
40°	24204
45°	25774
50°	26687
55°	27183
60°	27359
65°	26784
70°	25269
75°	23429
80°	20764
85°	16924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 27371 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.8	10.2
10°-20°	644.1	28.1
20°-30°	709.4	31.0
30°-40°	271.0	11.8
40°-50°	128.0	5.6
50°-60°	127.2	5.6
60°-70°	101.9	4.4
70°-80°	58.6	2.6
80°-90°	15.9	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°	1588.3	69.3
0°-40°	1859.3	81.2
0°-60°	2114.5	92.3
0°-90°	2290.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2290.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2576	
5°	2490	235
15°	2316	644
25°	1524	709
35°	345	271
45°	167	128
55°	143	127
65°	104	102
75°	56	59
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2575.5
2.5°	2548.6
5°	2489.5
7.5°	2440.1
10°	2392.4
12.5°	2352.1
15°	2315.8
17.5°	2228.1
20°	2103.7
22.5°	1835.4
25°	1524.3
27.5°	1326.9
30°	1029.6
32.5°	665.1
35°	345.0
37.5°	186.4
40°	169.7
42.5°	168.4
45°	166.8
47.5°	163.1
50°	157.0
52.5°	150.1
55°	142.7
57.5°	134.6
60°	125.2
62.5°	114.6
65°	103.6
67.5°	91.3
70°	79.1
72.5°	66.9
75°	55.5
77.5°	43.7
80°	33.0
82.5°	23.3
85°	13.5
87.5°	5.3
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)