

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: P744606

Luminaire Tested: LD4D20D010-EU4DR6020359035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744606
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: LD4D20D010-EU4DR6020359035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1767.9 lumens
Efficiency: N/A
Efficacy: 76.5 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): 23.1
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



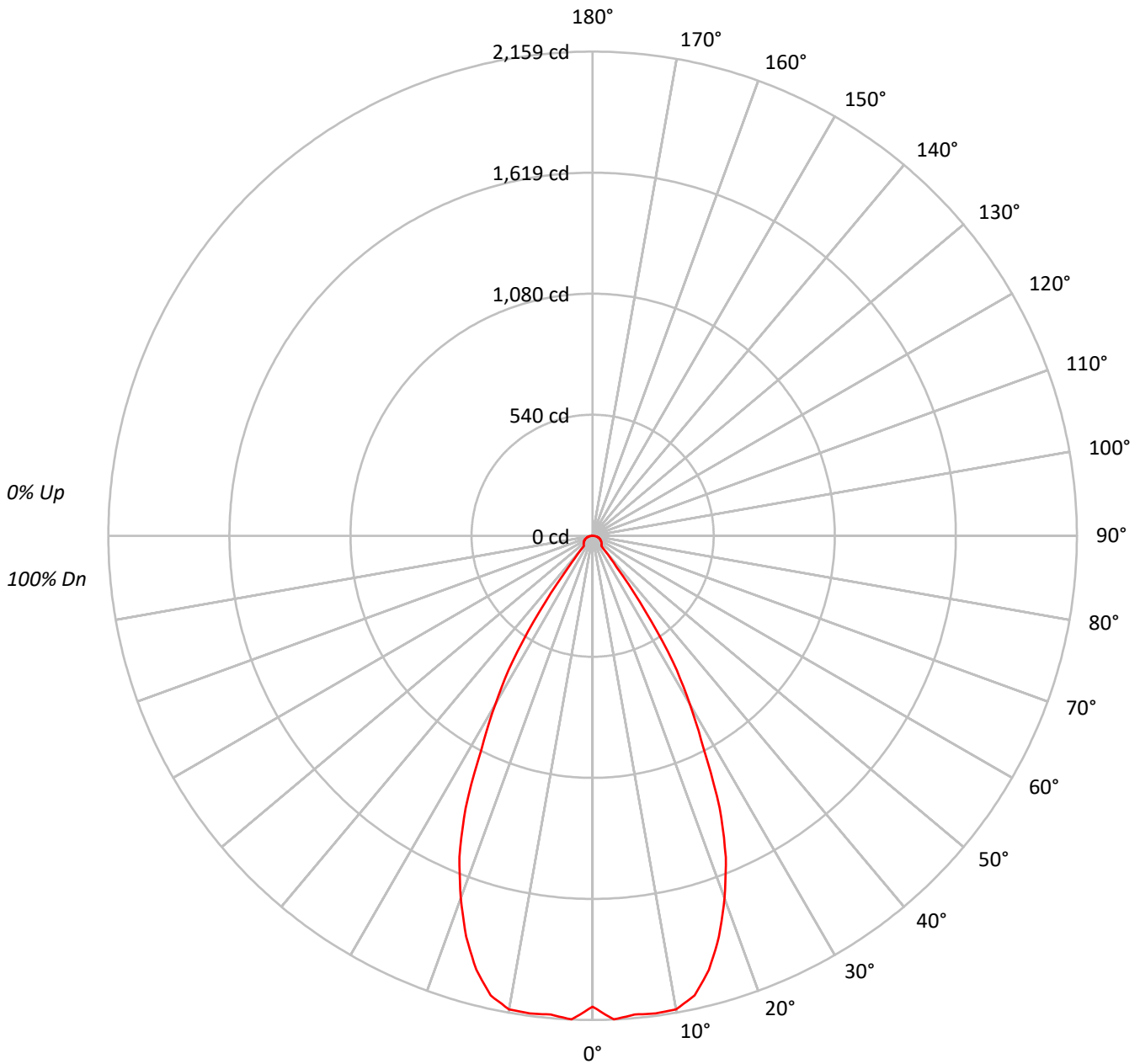
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	229404
5°	235040
10°	237880
15°	226615
20°	199803
25°	161605
30°	109321
35°	54780
40°	8886
45°	8699
50°	8873
55°	9010
60°	9243
65°	9462
70°	9680
75°	9794
80°	9438
85°	7898

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 9794 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.8	11.6
10°-20°	554.2	31.3
20°-30°	596.2	33.7
30°-40°	259.2	14.7
40°-50°	43.5	2.5
50°-60°	42.3	2.4
60°-70°	36.2	2.0
70°-80°	24.2	1.4
80°-90°	7.3	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°	1355.2	76.7
0°-40°	1614.4	91.3
0°-60°	1700.2	96.2
0°-90°	1767.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1767.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2100	
5°	2143	205
15°	2003	554
25°	1340	596
35°	411	259
45°	56	44
55°	47	42
65°	37	36
75°	23	24
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2099.6
2.5°	2158.6
5°	2143.0
7.5°	2147.9
10°	2144.1
12.5°	2099.9
15°	2003.4
17.5°	1873.9
20°	1718.4
22.5°	1552.0
25°	1340.5
27.5°	1072.2
30°	866.5
32.5°	667.8
35°	410.7
37.5°	175.7
40°	62.3
42.5°	57.4
45°	56.3
47.5°	54.4
50°	52.2
52.5°	49.7
55°	47.3
57.5°	44.8
60°	42.3
62.5°	39.6
65°	36.6
67.5°	33.6
70°	30.3
72.5°	26.8
75°	23.2
77.5°	19.1
80°	15.0
82.5°	10.7
85°	6.3
87.5°	2.2
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)