

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: P791738

Luminaire Tested: LER6D30D010-EC6DR7020359035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791738
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: LER6D30D010-EC6DR7020359035-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4629.9 lumens
Efficiency: N/A
Efficacy: 159.7 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

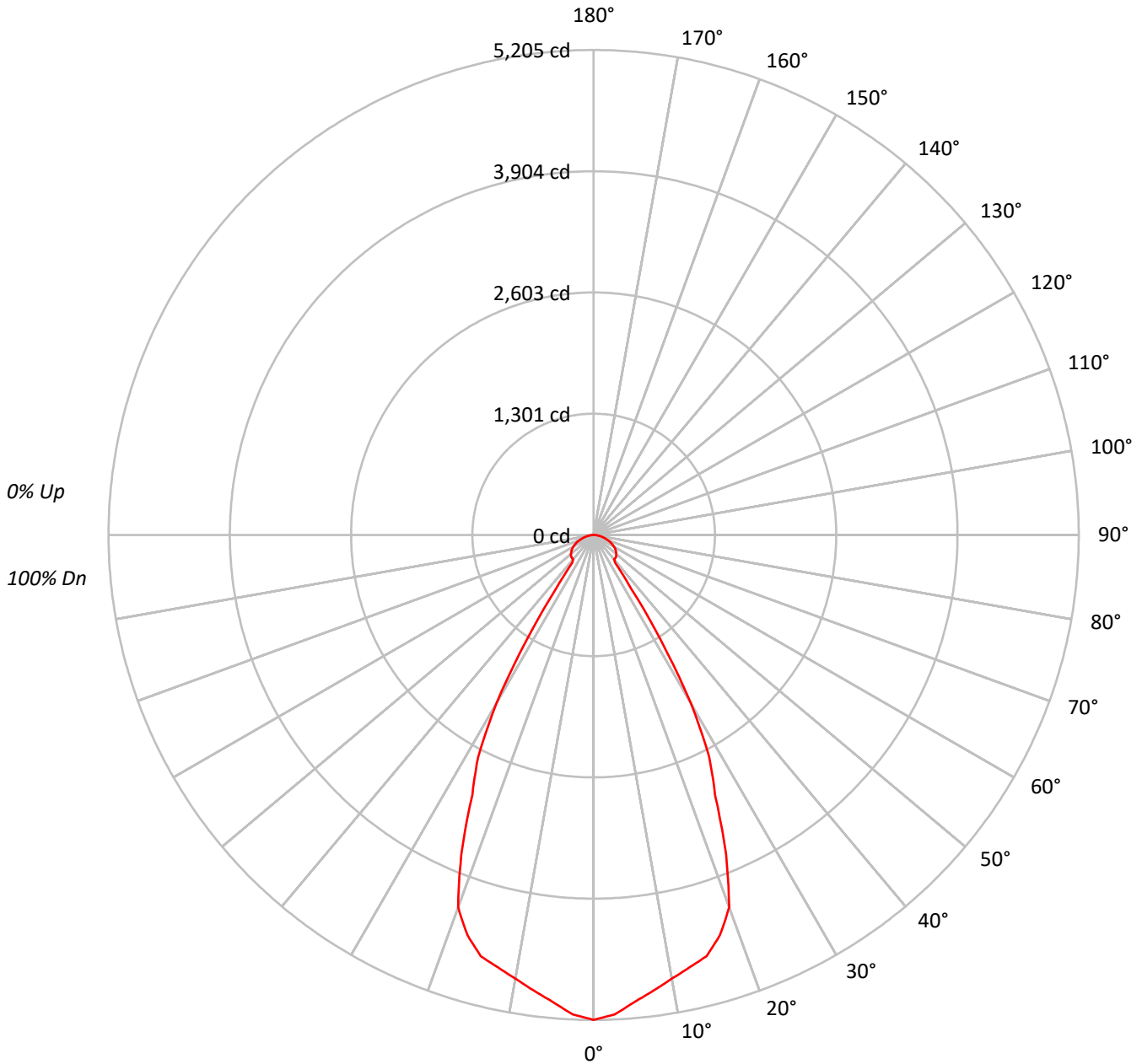
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	568735
5°	551834
10°	536459
15°	529412
20°	494369
25°	371397
30°	262546
35°	92994
40°	48893
45°	52088
50°	53935
55°	54956
60°	55286
65°	54111
70°	51081
75°	47323
80°	42031
85°	34099

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 55312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.6	10.2
10°-20°	1301.7	28.1
20°-30°	1433.7	31.0
30°-40°	547.8	11.8
40°-50°	258.7	5.6
50°-60°	257.2	5.6
60°-70°	205.9	4.4
70°-80°	118.3	2.6
80°-90°	32.2	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°	3210.0	69.3
0°-40°	3757.7	81.2
0°-60°	4273.6	92.3
0°-90°	4629.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4629.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5205	
5°	5031	475
15°	4680	1302
25°	3081	1434
35°	697	548
45°	337	259
55°	288	257
65°	209	206
75°	112	118
85°	27	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5205.3
2.5°	5150.9
5°	5031.4
7.5°	4931.7
10°	4835.3
12.5°	4753.7
15°	4680.3
17.5°	4503.2
20°	4251.8
22.5°	3709.5
25°	3080.7
27.5°	2681.8
30°	2081.0
32.5°	1344.2
35°	697.2
37.5°	376.6
40°	342.8
42.5°	340.4
45°	337.1
47.5°	329.7
50°	317.3
52.5°	303.3
55°	288.5
57.5°	272.0
60°	253.0
62.5°	231.6
65°	209.3
67.5°	184.6
70°	159.9
72.5°	135.2
75°	112.1
77.5°	88.2
80°	66.8
82.5°	47.0
85°	27.2
87.5°	10.7
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)