

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: P791658

Luminaire Tested: LER6D30D010-EC6DR6020359050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791658  
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: LER6D30D010-EC6DR6020359050-6LB DP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5415.8 lumens  
Efficiency: N/A  
Efficacy: 186.8 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

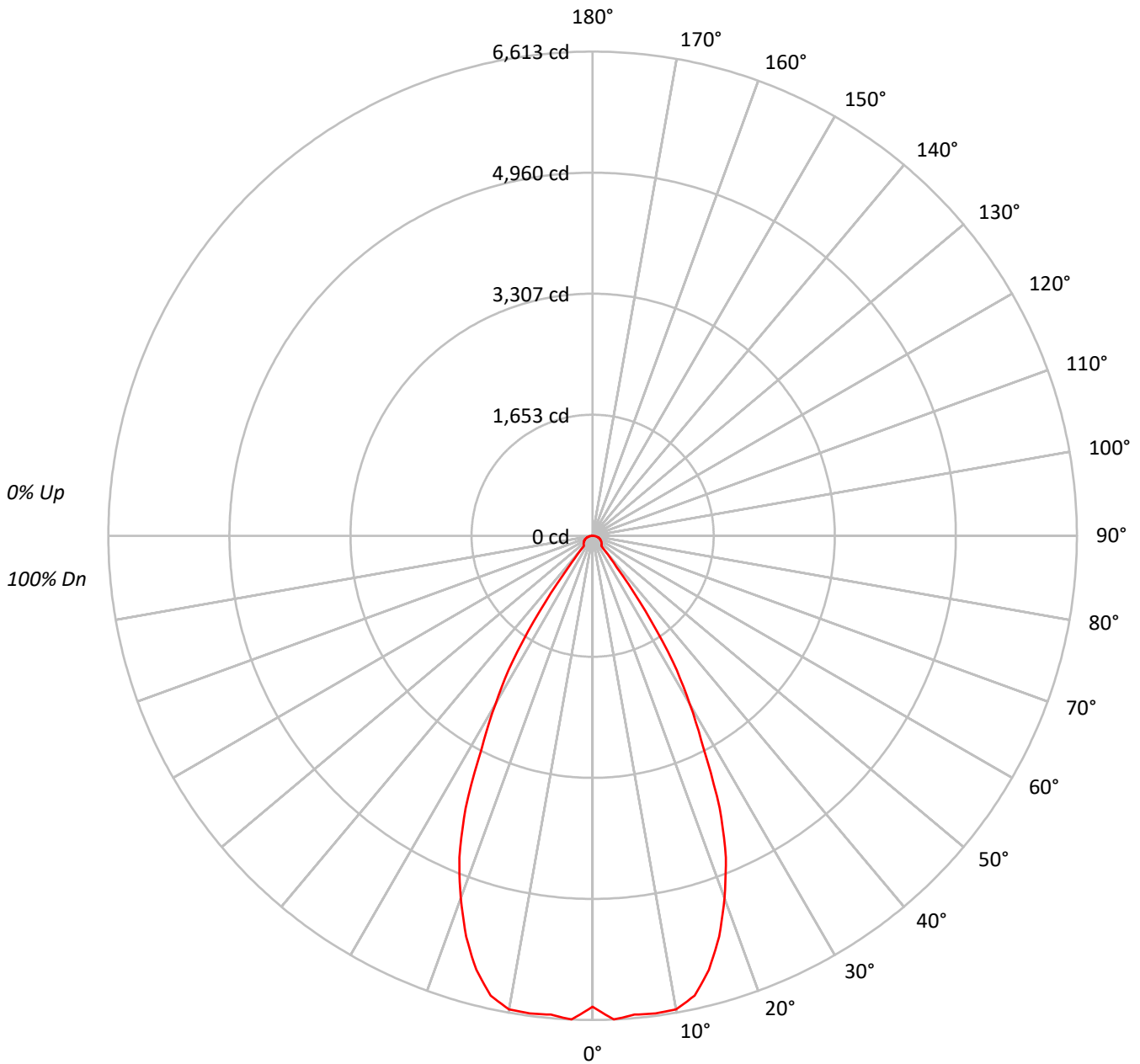
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	702765
5°	720048
10°	728740
15°	694221
20°	612095
25°	495075
30°	334876
35°	167809
40°	27214
45°	26639
50°	27180
55°	27583
60°	28342
65°	29007
70°	29678
75°	30057
80°	28944
85°	24195

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 30057 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	627.5	11.6
10°-20°	1697.6	31.3
20°-30°	1826.5	33.7
30°-40°	793.9	14.7
40°-50°	133.3	2.5
50°-60°	129.7	2.4
60°-70°	110.9	2.0
70°-80°	74.2	1.4
80°-90°	22.2	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°	4151.6	76.7
0°-40°	4945.5	91.3
0°-60°	5208.5	96.2
0°-90°	5415.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5415.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6432	
5°	6565	627
15°	6137	1698
25°	4107	1826
35°	1258	794
45°	172	133
55°	145	130
65°	112	111
75°	71	74
85°	19	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6432.0
2.5°	6612.8
5°	6565.1
7.5°	6580.1
10°	6568.4
12.5°	6432.8
15°	6137.3
17.5°	5740.5
20°	5264.3
22.5°	4754.5
25°	4106.6
27.5°	3284.6
30°	2654.3
32.5°	2045.8
35°	1258.1
37.5°	538.2
40°	190.8
42.5°	175.8
45°	172.4
47.5°	166.6
50°	159.9
52.5°	152.3
55°	144.8
57.5°	137.3
60°	129.7
62.5°	121.4
65°	112.2
67.5°	103.0
70°	92.9
72.5°	82.0
75°	71.2
77.5°	58.6
80°	46.0
82.5°	32.6
85°	19.3
87.5°	6.7
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)