

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: P791706

Luminaire Tested: LER6D30D010-EC6DR6520359050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791706  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR6520359050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4508.4 lumens  
Efficiency: N/A  
Efficacy: 155.5 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

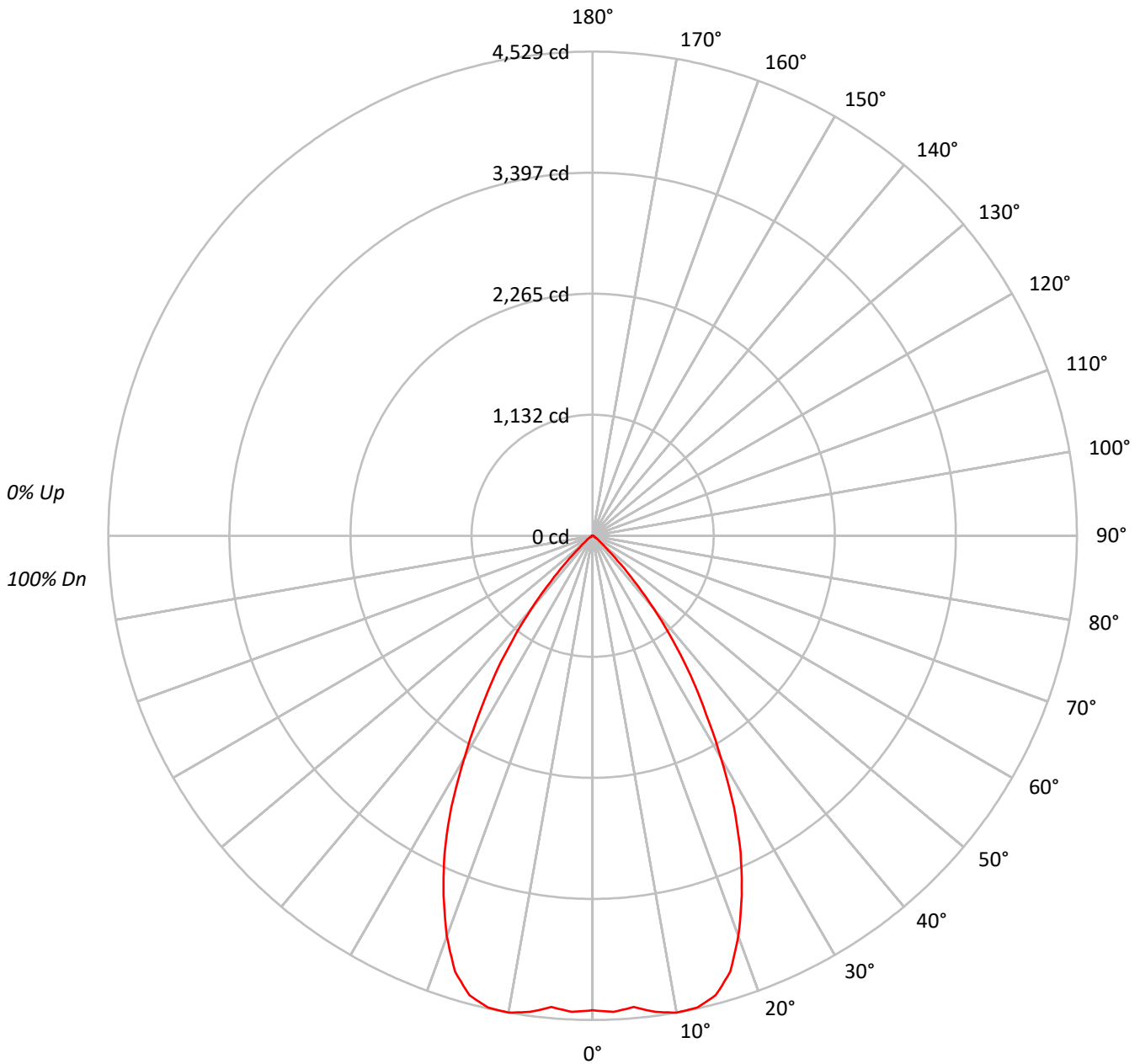
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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	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	100	100	100	100		
	1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93	93	93		
	2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87	87	87	87	87	87		
	3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80	80	80	80	80	80		
	4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75	75	75		
	5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69	69	69	69	69	69		
	6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65	65	65	65	65	65		
	7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60	60	60	60	60	60		
	8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57	57	57	57	57	57		
	9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53	53	53	53	53	53		
	10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50	50	50	50	50	50		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	484998
5°	485391
10°	502487
15°	503317
20°	463382
25°	394833
30°	302250
35°	213532
40°	126042
45°	51176
50°	18545
55°	10325
60°	5922
65°	3258
70°	3418
75°	2660
80°	2769
85°	2382

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 51176 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	427.4	9.5
10°-20°	1232.9	27.3
20°-30°	1479.3	32.8
30°-40°	994.1	22.0
40°-50°	297.6	6.6
50°-60°	52.5	1.2
60°-70°	14.9	0.3
70°-80°	7.3	0.2
80°-90°	2.3	0.1
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°	3139.6	69.6
0°-40°	4133.7	91.7
0°-60°	4483.8	99.5
0°-90°	4508.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4508.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4439	
5°	4426	427
15°	4450	1233
25°	3275	1479
35°	1601	994
45°	331	298
55°	54	53
65°	13	15
75°	6	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4438.9
2.5°	4457.8
5°	4425.6
7.5°	4492.5
10°	4529.1
12.5°	4520.2
15°	4449.6
17.5°	4276.8
20°	3985.3
22.5°	3642.2
25°	3275.1
27.5°	2860.6
30°	2395.7
32.5°	1974.4
35°	1600.9
37.5°	1231.9
40°	883.7
42.5°	577.2
45°	331.2
47.5°	175.4
50°	109.1
52.5°	75.7
55°	54.2
57.5°	39.1
60°	27.1
62.5°	17.7
65°	12.6
67.5°	11.4
70°	10.7
72.5°	8.2
75°	6.3
77.5°	5.7
80°	4.4
82.5°	3.2
85°	1.9
87.5°	1.3
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)