

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: P791631

Luminaire Tested: LER6D30D010-EC6DR6020359030-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791631  
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-EC6DR6020359030-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4392.7 lumens  
Efficiency: N/A  
Efficacy: 151.5 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

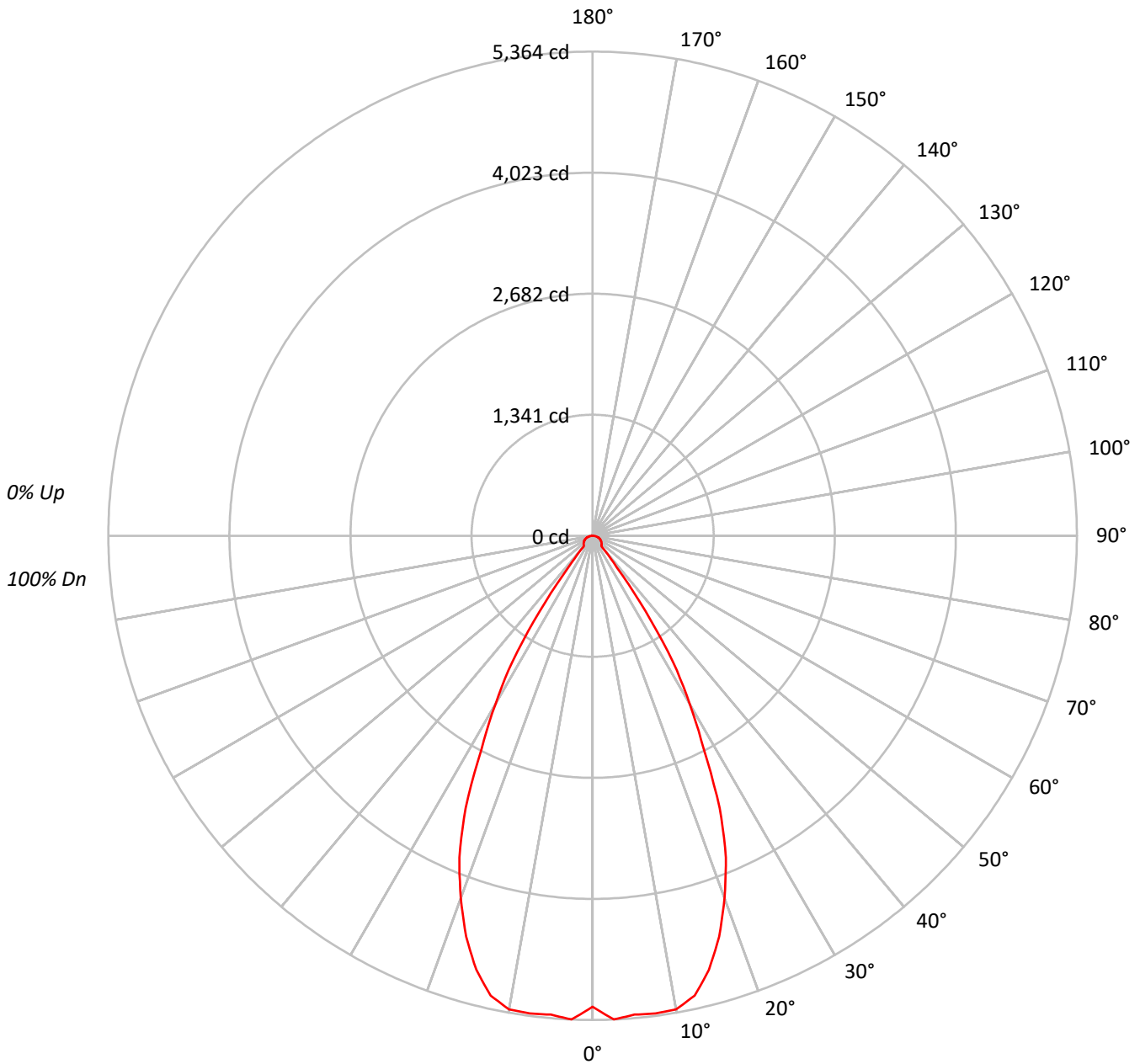
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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			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°	570002
5°	584025
10°	591077
15°	563075
20°	496462
25°	401548
30°	271617
35°	136104
40°	22079
45°	21617
50°	22046
55°	22383
60°	22988
65°	23527
70°	24087
75°	24358
80°	23469
85°	19557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 24358 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	508.9	11.6
10°-20°	1376.9	31.3
20°-30°	1481.4	33.7
30°-40°	644.0	14.7
40°-50°	108.2	2.5
50°-60°	105.2	2.4
60°-70°	89.9	2.0
70°-80°	60.2	1.4
80°-90°	18.0	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°	3367.3	76.7
0°-40°	4011.2	91.3
0°-60°	4224.6	96.2
0°-90°	4392.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4392.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5217	
5°	5325	509
15°	4978	1377
25°	3331	1481
35°	1020	644
45°	140	108
55°	118	105
65°	91	90
75°	58	60
85°	16	18
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5216.9
2.5°	5363.6
5°	5324.9
7.5°	5337.1
10°	5327.6
12.5°	5217.6
15°	4977.9
17.5°	4656.1
20°	4269.8
22.5°	3856.3
25°	3330.8
27.5°	2664.1
30°	2152.9
32.5°	1659.3
35°	1020.4
37.5°	436.6
40°	154.8
42.5°	142.6
45°	139.9
47.5°	135.1
50°	129.7
52.5°	123.6
55°	117.5
57.5°	111.3
60°	105.2
62.5°	98.4
65°	91.0
67.5°	83.5
70°	75.4
72.5°	66.5
75°	57.7
77.5°	47.5
80°	37.3
82.5°	26.5
85°	15.6
87.5°	5.4
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)