

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: P791707

Luminaire Tested: LER6D30D010-EC6DR6520359050-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR6520359050-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5106.9 lumens  
Efficiency: N/A  
Efficacy: 176.1 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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

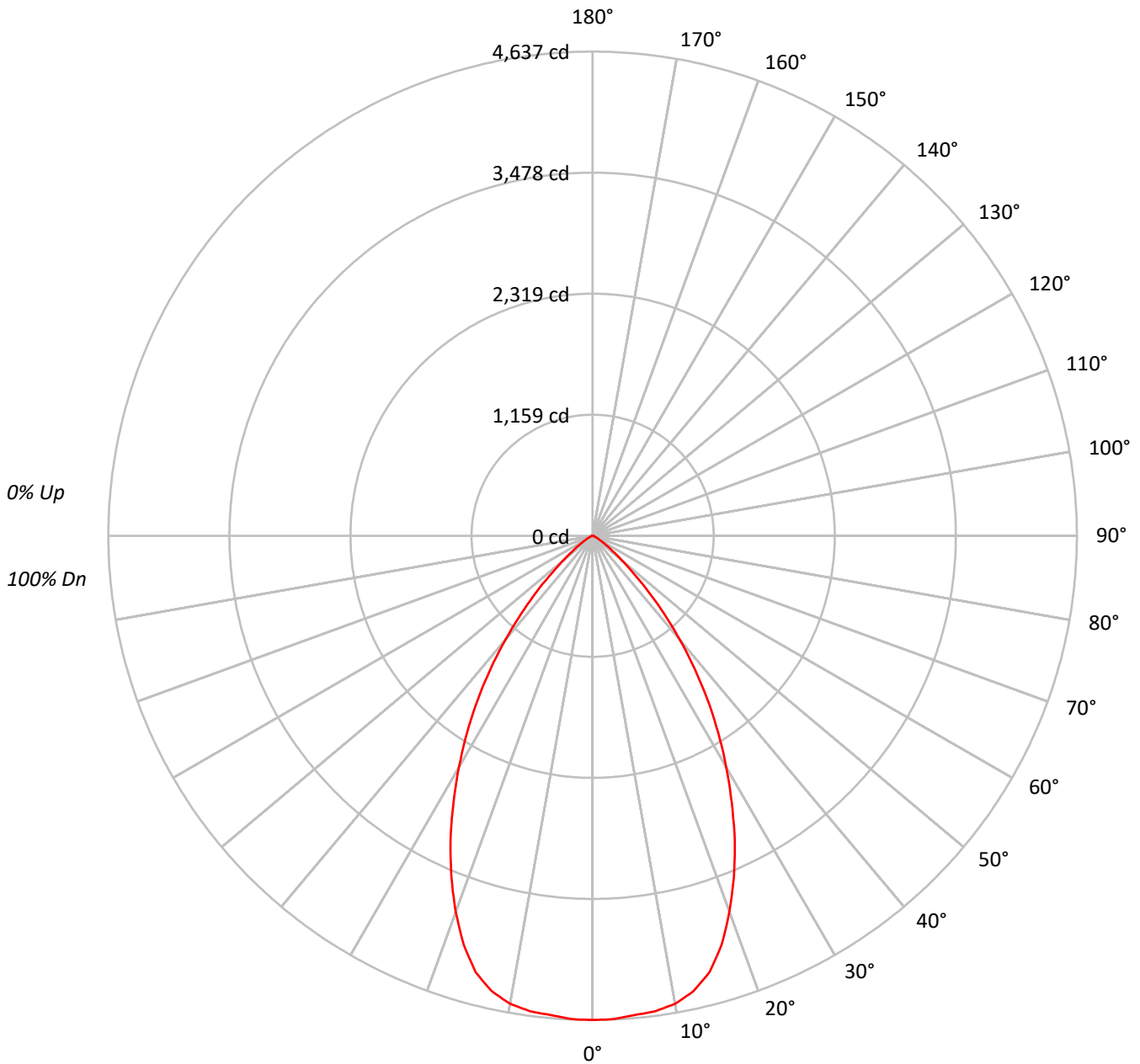


Downlight

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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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

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

	0°
0°	270819
5°	270135
10°	269902
15°	261580
20°	238136
25°	207521
30°	172603
35°	136764
40°	98709
45°	62360
50°	32501
55°	17280
60°	9076
65°	4989
70°	2100
75°	2302
80°	1614
85°	1340

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 62360 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.5	8.6
10°-20°	1200.8	23.5
20°-30°	1467.8	28.7
30°-40°	1190.9	23.3
40°-50°	593.4	11.6
50°-60°	165.5	3.2
60°-70°	37.6	0.7
70°-80°	9.8	0.2
80°-90°	2.5	0.0
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°	3107.1	60.8
0°-40°	4298.0	84.2
0°-60°	5057.0	99.0
0°-90°	5106.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5106.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4637	
5°	4608	439
15°	4326	1201
25°	3220	1468
35°	1918	1191
45°	755	593
55°	170	166
65°	36	38
75°	10	10
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4637.0
2.5°	4633.5
5°	4607.7
7.5°	4592.7
10°	4551.1
12.5°	4466.6
15°	4326.2
17.5°	4106.8
20°	3831.5
22.5°	3534.4
25°	3220.3
27.5°	2884.4
30°	2559.4
32.5°	2238.4
35°	1918.2
37.5°	1598.6
40°	1294.7
42.5°	1009.8
45°	755.0
47.5°	526.0
50°	357.7
52.5°	246.7
55°	169.7
57.5°	114.5
60°	77.7
62.5°	53.8
65°	36.1
67.5°	18.4
70°	12.3
72.5°	11.6
75°	10.2
77.5°	6.8
80°	4.8
82.5°	3.4
85°	2.0
87.5°	1.4
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)