

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: P790156

Luminaire Tested: LER6D20D010-EC6DR2520359035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D20D010-EC6DR2520359035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

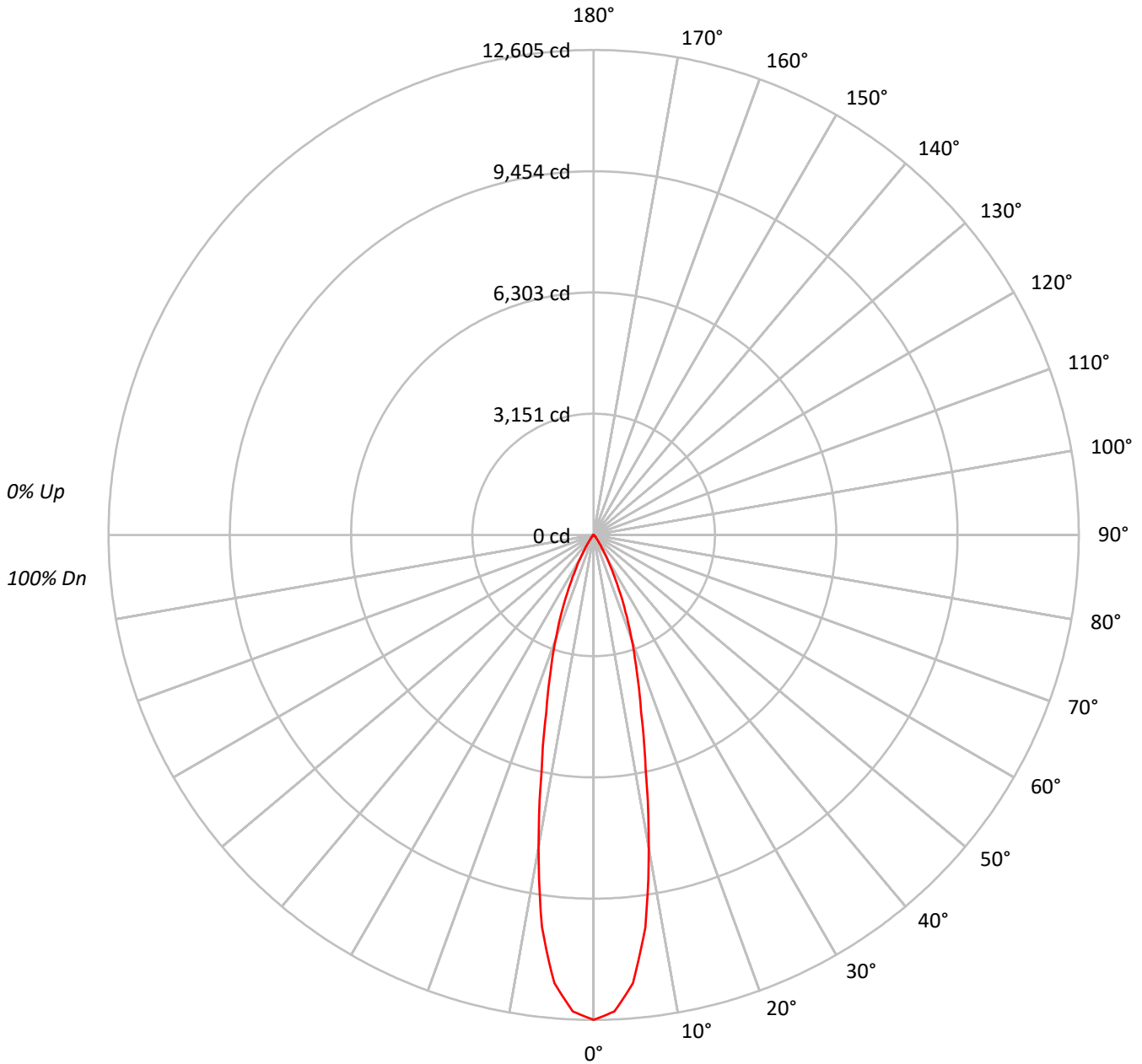
Lumens per Lamp: N/A  
Luminaire Lumens: 3323.3 lumens  
Efficiency: N/A  
Efficacy: 143.9 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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									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	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	100	100	100	100	100																
	1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96	96	96	96	96	96	96	96																
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92	92	92	92	92	92	92	92																
	3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89	89	89	89	89	89	89	89																
	4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	85	85	85	85	85	85	85	85																
	5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82	82	82	82	82	82	82	82	82	82	82																
	6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	79	79	79	79	79	79	79	79																
	7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	77	77	77	77	77	77	77	77																
	8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74	74	74	74	74	74	74	74																
	9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	72	72	72	72	72	72	72	72																
	10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69	69	69	69	69	69	69	69	69	69	69																

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

	0°
0°	1377188
5°	1282686
10°	914974
15°	538880
20°	335296
25°	184017
30°	84151
35°	31865
40°	14434
45°	8684
50°	3604
55°	2324
60°	1617
65°	1086
70°	160
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8684 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1005.1	30.2
10°-20°	1361.3	41.0
20°-30°	720.4	21.7
30°-40°	177.8	5.4
40°-50°	43.4	1.3
50°-60°	11.4	0.3
60°-70°	3.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	3086.8	92.9
0°-40°	3264.6	98.2
0°-60°	3319.4	99.9
0°-90°	3323.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3323.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12605	
5°	11695	###
15°	4764	1361
25°	1526	720
35°	239	178
45°	56	43
55°	12	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12604.6
2.5°	12397.5
5°	11695.0
7.5°	10283.6
10°	8247.0
12.5°	6234.2
15°	4764.0
17.5°	3712.9
20°	2883.7
22.5°	2162.7
25°	1526.4
27.5°	1023.6
30°	667.0
32.5°	405.8
35°	238.9
37.5°	146.2
40°	101.2
42.5°	77.4
45°	56.2
47.5°	33.9
50°	21.2
52.5°	15.4
55°	12.2
57.5°	9.5
60°	7.4
62.5°	5.8
65°	4.2
67.5°	1.6
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)