

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: P790317

Luminaire Tested: LER6D20D010-EC6DR4020359050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D20D010-EC6DR4020359050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4140.2 lumens  
Efficiency: N/A  
Efficacy: 179.2 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

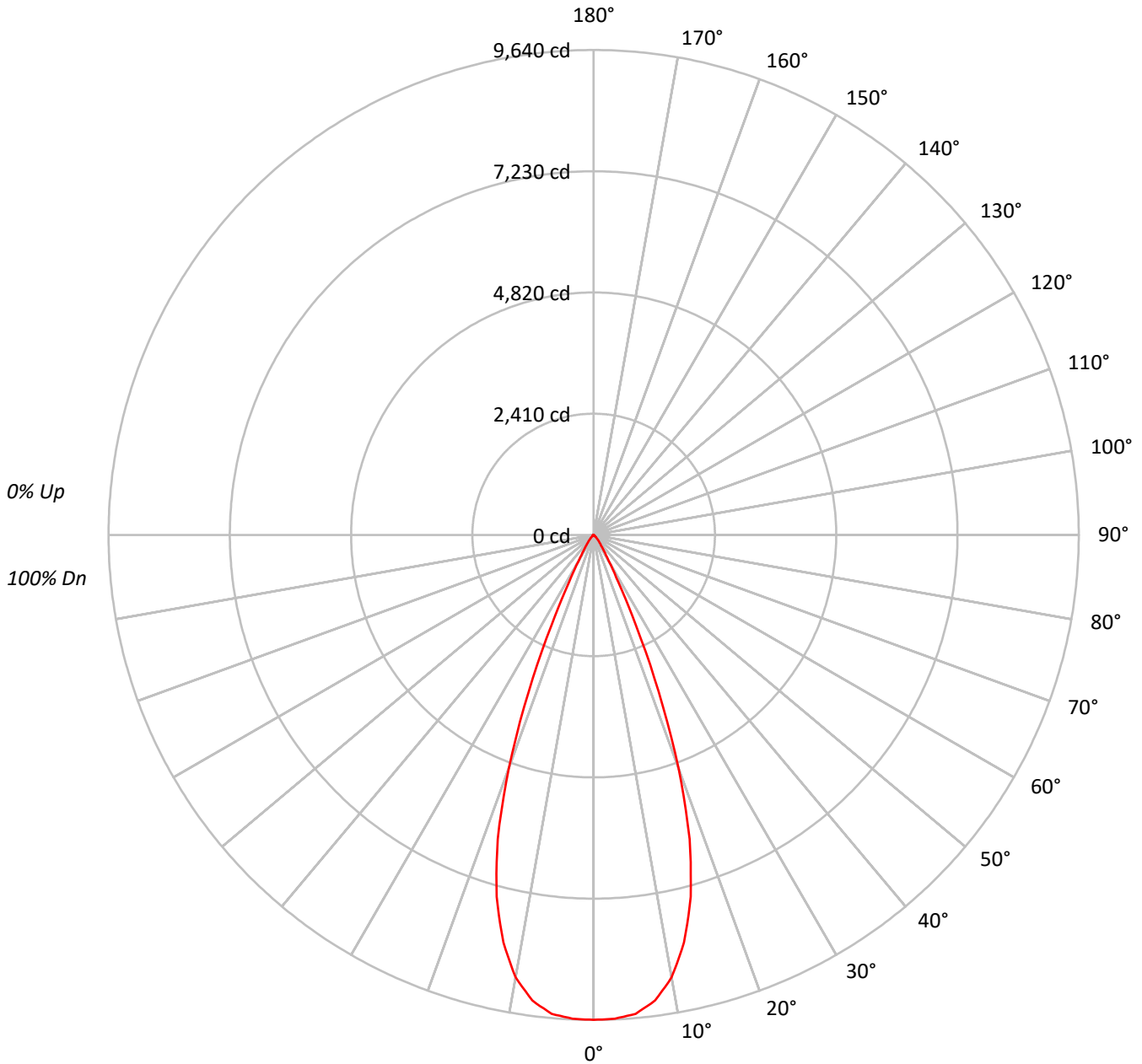
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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									20
RC	80									50									30									10									0									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	99	98	97	96	95	94	93	92																	
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86																	
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	90	89	88	87	86	85	84	83	82																	
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78																	
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	83	82	81	80	79	78	77	76	75	74																	
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	80	79	78	77	76	75	74	73	72	71																	
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	76	75	74	73	72	71	70	69	68	67																	
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	73	72	71	70	69	68	67	66	65	64																	
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	71	70	69	68	67	66	65	64	63	62																	
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	68	67	66	65	64	63	62	61	60	59																	
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	66	65	64	63	62	61	60	59	58	57																	

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

	0°
0°	1053241
5°	1048117
10°	990706
15°	842221
20°	574039
25°	239508
30°	75307
35°	35000
40°	19355
45°	8869
50°	4300
55°	2362
60°	1224
65°	440
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8869 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	892.3	21.6
10°-20°	1999.0	48.3
20°-30°	1000.6	24.2
30°-40°	183.4	4.4
40°-50°	50.6	1.2
50°-60°	11.9	0.3
60°-70°	2.3	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°	3892.0	94.0
0°-40°	4075.4	98.4
0°-60°	4137.9	99.9
0°-90°	4140.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4140.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9640	
5°	9556	892
15°	7446	1999
25°	1987	1001
35°	262	183
45°	57	51
55°	12	12
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9639.7
2.5°	9625.6
5°	9556.3
7.5°	9335.6
10°	8929.6
12.5°	8296.6
15°	7445.7
17.5°	6339.2
20°	4937.0
22.5°	3365.8
25°	1986.7
27.5°	1050.2
30°	596.9
32.5°	385.7
35°	262.4
37.5°	187.5
40°	135.7
42.5°	92.9
45°	57.4
47.5°	36.6
50°	25.3
52.5°	18.0
55°	12.4
57.5°	7.9
60°	5.6
62.5°	3.4
65°	1.7
67.5°	1.1
70°	0.6
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)