

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: P790077

Luminaire Tested: LER6D20D010-EC6DR1515309050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790077  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D20D010-EC6DR1515309050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2294.9 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
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

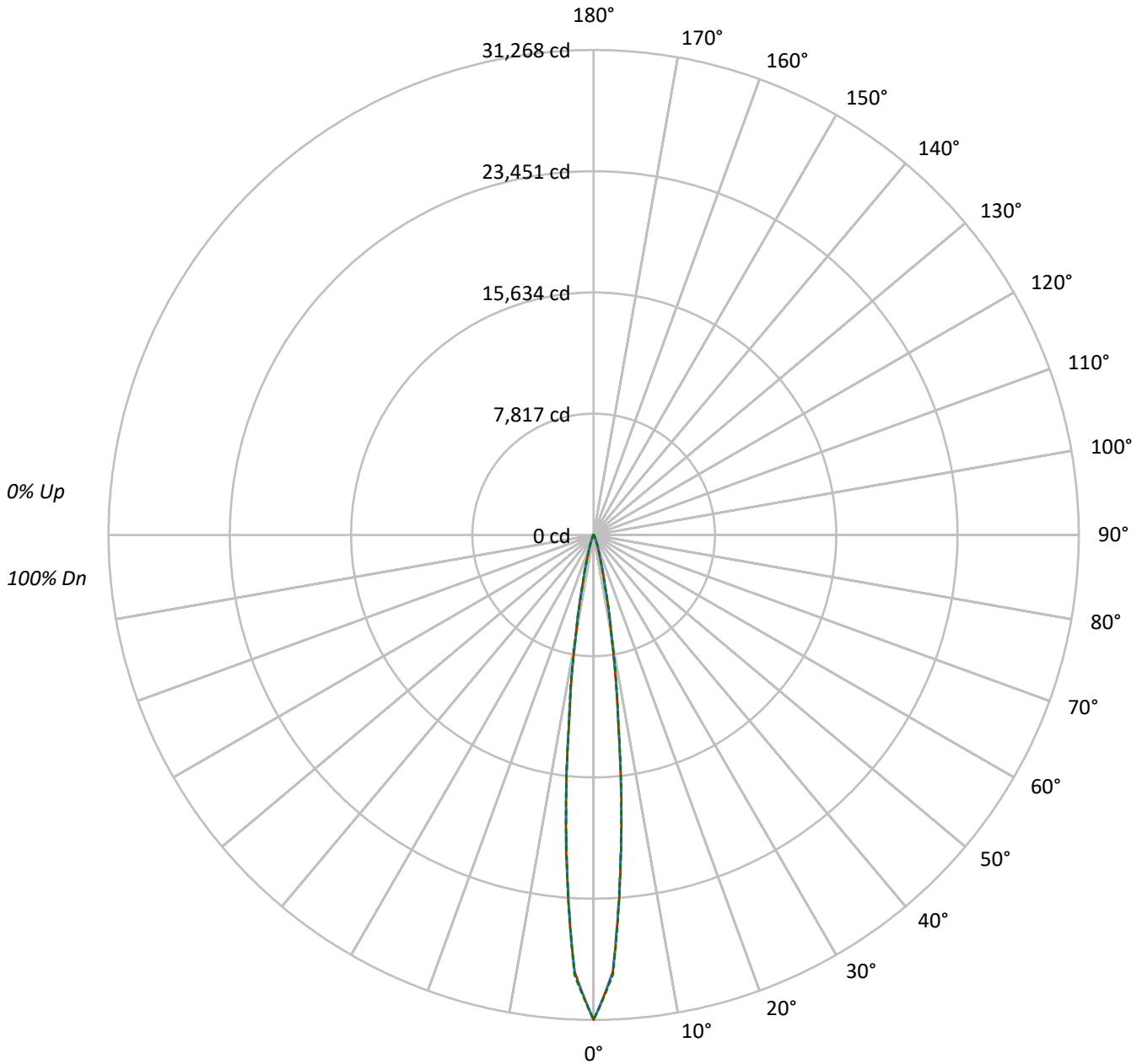


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98				98															
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96				96															
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94				94															
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93				93															
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92				92															
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90				90															
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89				89															
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88				88															
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87				87															
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86				86															

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

	0°	45°	90°
0°	3518308	3518308	3518308
5°	2067518	2040749	2056898
10°	617062	621382	630890
15°	153485	156473	151652
20°	45919	53177	46901
25°	16188	20620	16398
30°	5946	7833	6043
35°	2977	3362	2883
40°	1882	2067	1882
45°	1393	1484	1393
50°	1106	1106	1106
55°	919	919	919
60°	744	744	744
65°	564	564	564
70°	483	483	483
75°	302	302	401
80°	205	205	205
85°	108	108	108

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1484 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1488.4	64.9
10°-20°	612.2	26.7
20°-30°	121.6	5.3
30°-40°	30.3	1.3
40°-50°	16.0	0.7
50°-60°	11.8	0.5
60°-70°	8.3	0.4
70°-80°	4.8	0.2
80°-90°	1.4	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°	2222.3	96.8
0°-40°	2252.6	98.2
0°-60°	2280.4	99.4
0°-90°	2294.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2294.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31268	31268	31268	31268	31268	
5°	20344	20135	20080	20219	20239	1486
15°	1767	1800	1802	1770	1746	606
25°	208	236	265	234	210	109
35°	41	44	46	44	40	28
45°	20	20	21	20	20	16
55°	13	13	13	13	13	12
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	31268.3	31268.3	31268.3	31268.3	31268.3
2.5°	28205.3	28229.1	28238.4	28266.2	28369.4
5°	20343.8	20134.7	20080.4	20219.4	20239.3
7.5°	12050.9	12093.3	12248.1	12282.6	12158.1
10°	6613.2	6667.4	6659.5	6707.2	6761.4
12.5°	3382.0	3339.7	3326.4	3380.7	3305.3
15°	1767.1	1800.2	1801.5	1769.8	1746.0
17.5°	950.4	988.8	1052.3	1000.7	921.3
20°	561.2	595.7	649.9	607.6	573.2
22.5°	346.8	374.6	413.0	379.9	352.1
25°	207.8	235.6	264.7	234.3	210.5
27.5°	123.1	146.9	165.5	145.6	121.8
30°	79.4	92.7	104.6	91.3	80.7
32.5°	55.6	60.9	66.2	60.9	55.6
35°	41.0	43.7	46.3	43.7	39.7
37.5°	31.8	34.4	35.7	33.1	30.4
40°	26.5	27.8	29.1	27.8	26.5
42.5°	22.5	23.8	23.8	23.8	22.5
45°	19.9	19.9	21.2	19.9	19.9
47.5°	17.2	17.2	18.5	17.2	17.2
50°	15.9	15.9	15.9	15.9	15.9
52.5°	14.6	14.6	14.6	14.6	14.6
55°	13.2	13.2	13.2	13.2	13.2
57.5°	11.9	11.9	11.9	11.9	11.9
60°	10.6	10.6	10.6	10.6	10.6
62.5°	9.3	9.3	9.3	9.3	9.3
65°	7.9	7.9	7.9	7.9	7.9
67.5°	7.9	7.9	7.9	7.9	7.9
70°	6.6	6.6	6.6	6.6	6.6
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.0	4.0	4.0	4.0	5.3
77.5°	4.0	4.0	4.0	4.0	4.0
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - 90°-270°

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(END OF REPORT)