

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: P790045

Luminaire Tested: LER6D20D010-EC6DR1515309027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790045  
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-EC6DR1515309027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2073.2 lumens  
Efficiency: N/A  
Efficacy: 89.8 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

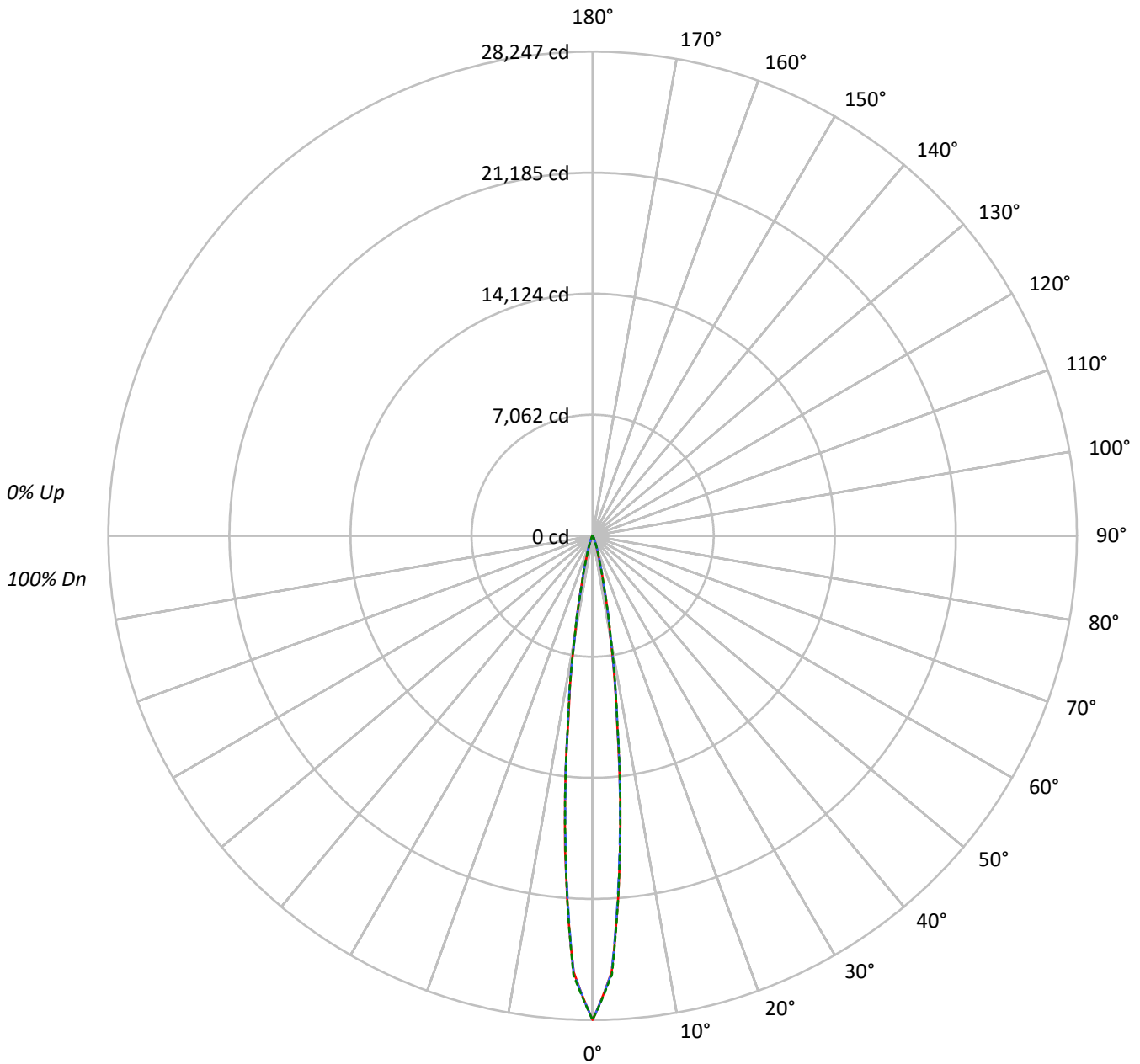


Downlight

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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	87	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°	3178306	3178306	3178306
5°	1867716	1843538	1858122
10°	557429	561329	569923
15°	138658	141351	136991
20°	41484	48038	42368
25°	14622	18634	14809
30°	5369	7076	5459
35°	2694	3043	2607
40°	1697	1868	1697
45°	1253	1337	1253
50°	994	994	994
55°	835	835	835
60°	674	674	674
65°	514	514	514
70°	439	439	439
75°	272	272	363
80°	189	189	189
85°	100	100	100

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1337 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1344.6	64.9
10°-20°	553.1	26.7
20°-30°	109.9	5.3
30°-40°	27.4	1.3
40°-50°	14.4	0.7
50°-60°	10.7	0.5
60°-70°	7.6	0.4
70°-80°	4.3	0.2
80°-90°	1.3	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°	2007.5	96.8
0°-40°	2034.9	98.2
0°-60°	2060.0	99.4
0°-90°	2073.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	28247	28247	28247	28247	28247	
5°	18378	18189	18140	18265	18283	1342
15°	1596	1626	1627	1599	1577	547
25°	188	213	239	212	190	99
35°	37	40	42	40	36	25
45°	18	18	19	18	18	14
55°	12	12	12	12	12	11
65°	7	7	7	7	7	8
75°	4	4	4	4	5	4
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°	28246.6	28246.6	28246.6	28246.6	28246.6
2.5°	25479.5	25501.1	25509.4	25534.5	25627.8
5°	18377.8	18188.9	18139.9	18265.4	18283.4
7.5°	10886.3	10924.6	11064.5	11095.6	10983.2
10°	5974.1	6023.1	6015.9	6059.0	6108.0
12.5°	3055.2	3016.9	3005.0	3054.0	2985.8
15°	1596.4	1626.3	1627.4	1598.7	1577.2
17.5°	858.6	893.2	950.6	904.0	832.3
20°	507.0	538.1	587.1	548.9	517.8
22.5°	313.3	338.4	373.1	343.2	318.1
25°	187.7	212.8	239.2	211.7	190.1
27.5°	111.2	132.7	149.5	131.5	110.0
30°	71.7	83.7	94.5	82.5	72.9
32.5°	50.2	55.0	59.8	55.0	50.2
35°	37.1	39.5	41.9	39.5	35.9
37.5°	28.7	31.1	32.3	29.9	27.5
40°	23.9	25.1	26.3	25.1	23.9
42.5°	20.3	21.5	21.5	21.5	20.3
45°	17.9	17.9	19.1	17.9	17.9
47.5°	15.5	15.5	16.7	15.5	15.5
50°	14.3	14.3	14.3	14.3	14.3
52.5°	13.2	13.2	13.2	13.2	13.2
55°	12.0	12.0	12.0	12.0	12.0
57.5°	10.8	10.8	10.8	10.8	10.8
60°	9.6	9.6	9.6	9.6	9.6
62.5°	8.4	8.4	8.4	8.4	8.4
65°	7.2	7.2	7.2	7.2	7.2
67.5°	7.2	7.2	7.2	7.2	7.2
70°	6.0	6.0	6.0	6.0	6.0
72.5°	4.8	4.8	4.8	4.8	4.8
75°	3.6	3.6	3.6	3.6	4.8
77.5°	3.6	3.6	3.6	3.6	3.6
80°	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2
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)