

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: P790193

Luminaire Tested: LER6D20D010-EC6DR3020359030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790193  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D20D010-EC6DR3020359030-6LB DP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3432.0 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

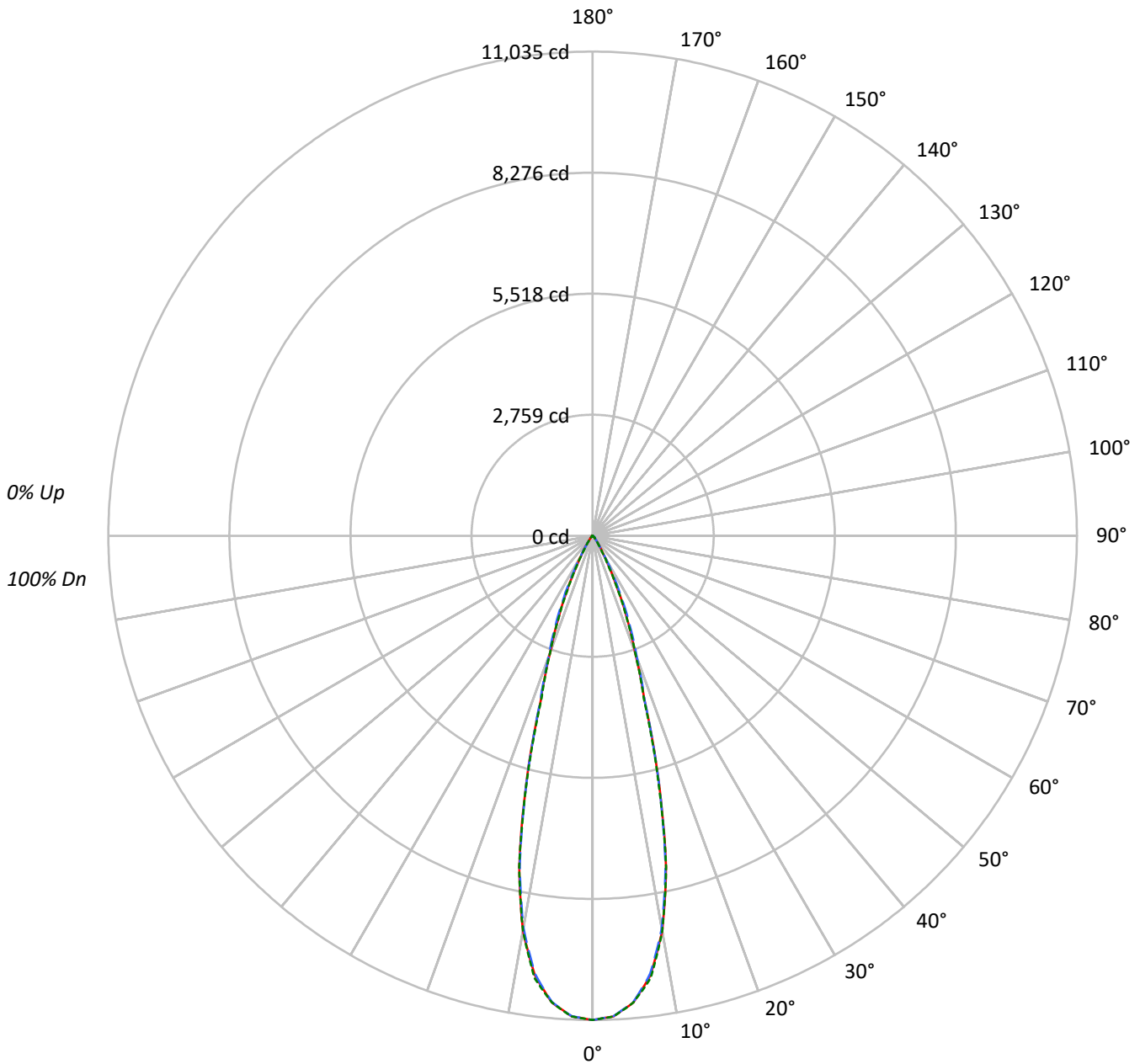


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	844687	844687	844687
5°	820437	819484	820483
10°	710625	705611	710454
15°	463646	461158	458836
20°	230552	239203	230243
25°	116136	130958	113754
30°	46499	50662	40516
35°	21566	20660	17315
40°	9313	10342	8773
45°	6571	8151	6625
50°	2263	5930	2382
55°	1308	2455	1375
60°	919	1072	919
65°	598	598	598
70°	358	246	358
75°	0	148	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 8151 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	970.4	28.3
10°-20°	1562.8	45.5
20°-30°	675.3	19.7
30°-40°	153.9	4.5
40°-50°	52.9	1.5
50°-60°	12.9	0.4
60°-70°	3.4	0.1
70°-80°	0.3	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°	3208.6	93.5
0°-40°	3362.5	98.0
0°-60°	3428.3	99.9
0°-90°	3432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11035	11035	11035	11035	11035	
5°	10678	10668	10665	10688	10678	971
15°	5851	5780	5820	5800	5790	1567
25°	1375	1427	1551	1391	1347	658
35°	231	236	221	219	185	157
45°	61	75	75	75	61	43
55°	10	10	18	11	10	10
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11035.4	11035.4	11035.4	11035.4	11035.4
2.5°	10962.3	10954.7	10959.0	10964.5	10966.6
5°	10677.8	10667.5	10665.4	10687.6	10678.4
7.5°	10104.1	10089.4	10067.2	10117.6	10164.8
10°	9142.9	9126.7	9078.4	9102.3	9140.7
12.5°	7723.9	7671.4	7670.3	7746.1	7735.9
15°	5850.9	5780.5	5819.5	5800.5	5790.2
17.5°	3934.6	3907.5	3959.5	3943.8	3876.1
20°	2830.4	2837.4	2936.6	2886.7	2826.6
22.5°	2065.4	2090.8	2208.4	2080.0	2032.8
25°	1375.1	1427.1	1550.6	1390.8	1346.9
27.5°	845.8	869.6	994.7	834.9	811.1
30°	526.1	514.2	573.2	492.0	458.4
32.5°	345.1	330.0	348.9	313.2	286.1
35°	230.8	235.7	221.1	219.4	185.3
37.5°	144.1	165.8	146.3	156.0	119.2
40°	93.2	120.3	103.5	114.3	87.8
42.5°	76.4	92.6	85.1	90.5	78.0
45°	60.7	75.3	75.3	75.3	61.2
47.5°	33.6	50.4	64.5	51.5	35.8
50°	19.0	25.5	49.8	26.5	20.0
52.5°	13.0	14.6	34.1	15.2	13.5
55°	9.8	10.3	18.4	10.8	10.3
57.5°	7.6	8.1	9.8	8.1	7.6
60°	6.0	6.0	7.0	6.5	6.0
62.5°	4.3	4.3	4.9	4.3	4.3
65°	3.3	3.3	3.3	3.3	3.3
67.5°	1.6	2.2	2.2	2.2	2.2
70°	1.6	1.1	1.1	1.1	1.6
72.5°	1.1	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)