

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: P791357

Luminaire Tested: LER6D30D010-EC6DR3020359035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791357  
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: LER6D30D010-EC6DR3020359035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6338.0 lumens  
Efficiency: N/A  
Efficacy: 218.6 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

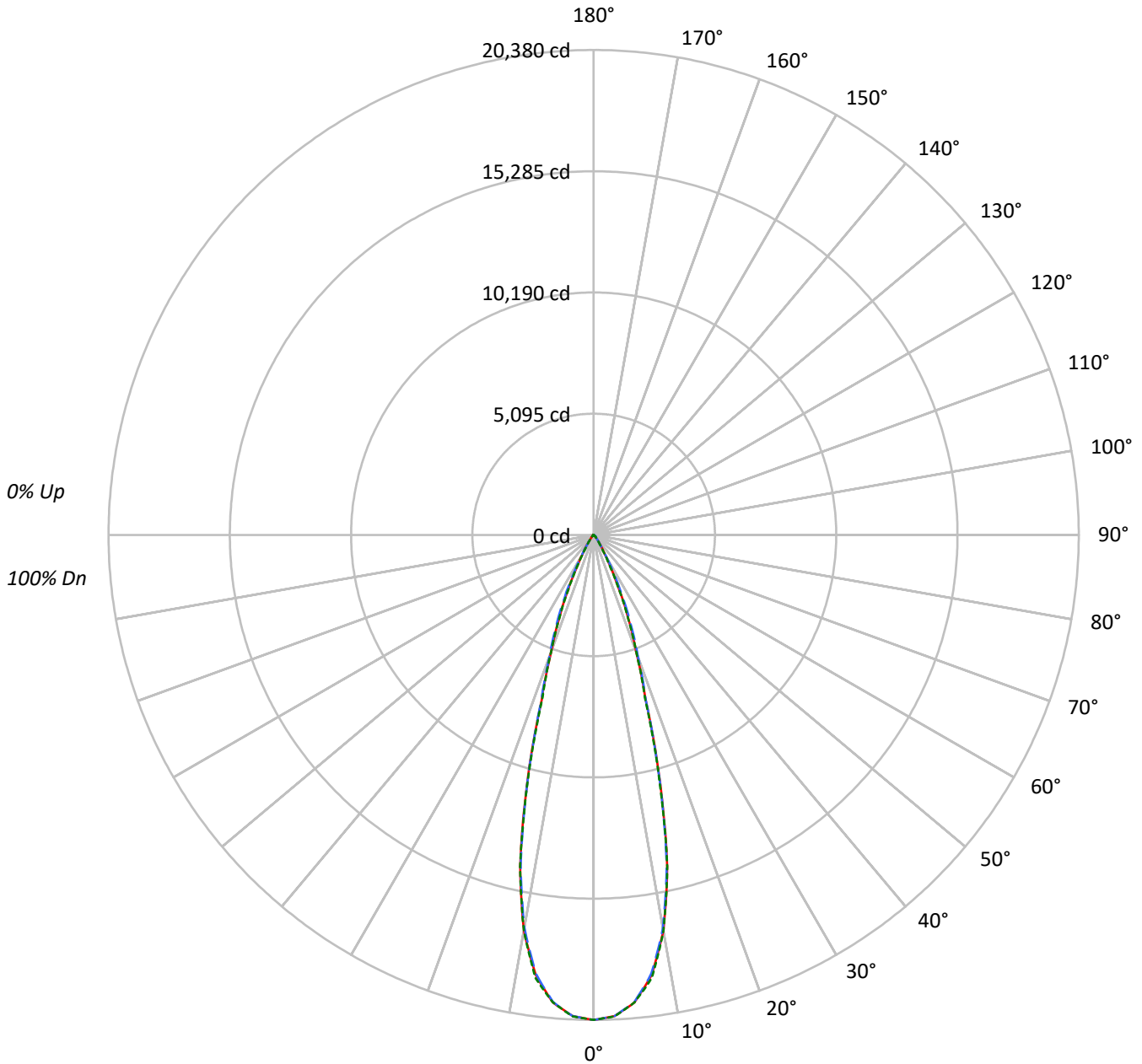
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°	45°	90°
0°	1559931	1559931	1559931
5°	1515148	1513381	1515225
10°	1312350	1303093	1312039
15°	856242	851646	847359
20°	425769	441743	425199
25°	214477	241849	210077
30°	85875	93564	74818
35°	39825	38143	31976
40°	17196	19095	16197
45°	12135	15057	12243
50°	4168	10967	4406
55°	2402	4537	2536
60°	1684	1990	1684
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15057 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1792.1	28.3
10°-20°	2886.2	45.5
20°-30°	1247.2	19.7
30°-40°	284.3	4.5
40°-50°	97.6	1.5
50°-60°	23.8	0.4
60°-70°	6.2	0.1
70°-80°	0.7	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°	5925.4	93.5
0°-40°	6209.7	98.0
0°-60°	6331.1	99.9
0°-90°	6338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6338.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20380	20380	20380	20380	20380	
5°	19719	19700	19696	19737	19720	1794
15°	10805	10675	10747	10712	10693	2893
25°	2540	2636	2864	2568	2487	1216
35°	426	435	408	405	342	289
45°	112	139	139	139	113	80
55°	18	19	34	20	19	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
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°	20379.7	20379.7	20379.7	20379.7	20379.7
2.5°	20244.6	20230.6	20238.6	20248.6	20252.6
5°	19719.3	19700.3	19696.3	19737.3	19720.3
7.5°	18659.7	18632.7	18591.7	18684.7	18771.8
10°	16884.7	16854.7	16765.6	16809.6	16880.7
12.5°	14264.2	14167.1	14165.1	14305.2	14286.2
15°	10805.2	10675.1	10747.2	10712.1	10693.1
17.5°	7266.2	7216.1	7312.2	7283.2	7158.1
20°	5227.0	5240.0	5423.1	5331.1	5220.0
22.5°	3814.2	3861.2	4078.3	3841.2	3754.2
25°	2539.5	2635.5	2863.6	2568.5	2487.4
27.5°	1561.9	1605.9	1837.1	1541.9	1497.9
30°	971.6	949.5	1058.6	908.5	846.5
32.5°	637.4	609.3	644.4	578.3	528.3
35°	426.2	435.2	408.2	405.2	342.2
37.5°	266.2	306.2	270.2	288.2	220.1
40°	172.1	222.1	191.1	211.1	162.1
42.5°	141.1	171.1	157.1	167.1	144.1
45°	112.1	139.1	139.1	139.1	113.1
47.5°	62.0	93.1	119.1	95.1	66.0
50°	35.0	47.0	92.1	49.0	37.0
52.5°	24.0	27.0	63.0	28.0	25.0
55°	18.0	19.0	34.0	20.0	19.0
57.5°	14.0	15.0	18.0	15.0	14.0
60°	11.0	11.0	13.0	12.0	11.0
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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







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

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(END OF REPORT)