

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: P791364

Luminaire Tested: LER6D30D010-EC6DR3020359040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791364  
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-EC6DR3020359040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6203.1 lumens  
Efficiency: N/A  
Efficacy: 213.9 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

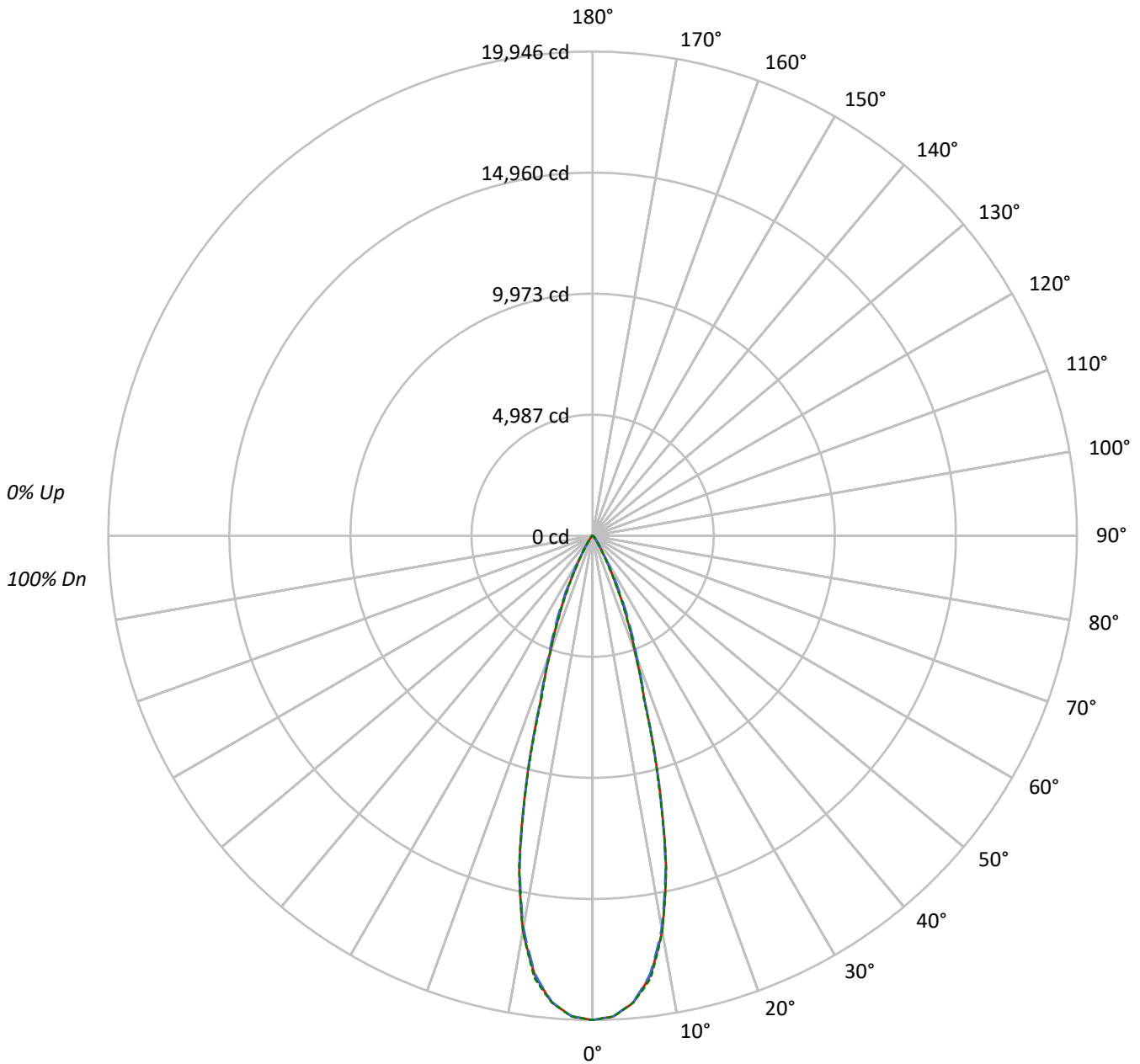


Downlight

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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°	1526727	1526727	1526727
5°	1482900	1481163	1482969
10°	1284416	1275353	1284113
15°	838016	833515	829323
20°	416703	432343	416149
25°	209908	236706	205609
30°	84045	91575	73227
35°	38984	37330	31294
40°	16827	18685	15847
45°	11875	14733	11983
50°	4084	10729	4311
55°	2349	4444	2482
60°	1653	1944	1653
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14733 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1753.9	28.3
10°-20°	2824.7	45.5
20°-30°	1220.6	19.7
30°-40°	278.2	4.5
40°-50°	95.5	1.5
50°-60°	23.3	0.4
60°-70°	6.0	0.1
70°-80°	0.6	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°	5799.3	93.5
0°-40°	6077.5	98.0
0°-60°	6196.4	99.9
0°-90°	6203.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6203.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19946	19946	19946	19946	19946	
5°	19300	19281	19277	19317	19300	1755
15°	10575	10448	10518	10484	10466	2832
25°	2485	2579	2803	2514	2434	1190
35°	417	426	400	397	335	283
45°	110	136	136	136	111	78
55°	18	19	33	20	19	17
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°	19945.9	19945.9	19945.9	19945.9	19945.9
2.5°	19813.7	19800.0	19807.8	19817.6	19821.5
5°	19299.6	19281.0	19277.0	19317.2	19300.5
7.5°	18262.5	18236.1	18195.9	18287.0	18372.2
10°	16525.3	16495.9	16408.7	16451.8	16521.4
12.5°	13960.6	13865.6	13863.6	14000.7	13982.1
15°	10575.2	10447.9	10518.4	10484.1	10465.5
17.5°	7111.5	7062.5	7156.5	7128.1	7005.7
20°	5115.7	5128.5	5307.7	5217.6	5108.9
22.5°	3733.0	3779.0	3991.5	3759.4	3674.2
25°	2485.4	2579.4	2802.7	2513.8	2434.5
27.5°	1528.6	1571.7	1798.0	1509.1	1466.0
30°	950.9	929.3	1036.1	889.2	828.5
32.5°	623.8	596.4	630.7	566.0	517.1
35°	417.2	426.0	399.5	396.6	334.9
37.5°	260.5	299.7	264.4	282.0	215.4
40°	168.4	217.4	187.0	206.6	158.6
42.5°	138.1	167.5	153.7	163.5	141.0
45°	109.7	136.1	136.1	136.1	110.7
47.5°	60.7	91.1	116.5	93.0	64.6
50°	34.3	46.0	90.1	48.0	36.2
52.5°	23.5	26.4	61.7	27.4	24.5
55°	17.6	18.6	33.3	19.6	18.6
57.5°	13.7	14.7	17.6	14.7	13.7
60°	10.8	10.8	12.7	11.8	10.8
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
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)