

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: P773463

Luminaire Tested: LD6D90BD010-EU6DR3070959050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773463  
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: LD6D90BD010-EU6DR3070959050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12551.3 lumens  
Efficiency: N/A  
Efficacy: 126.9 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): 98.9  
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

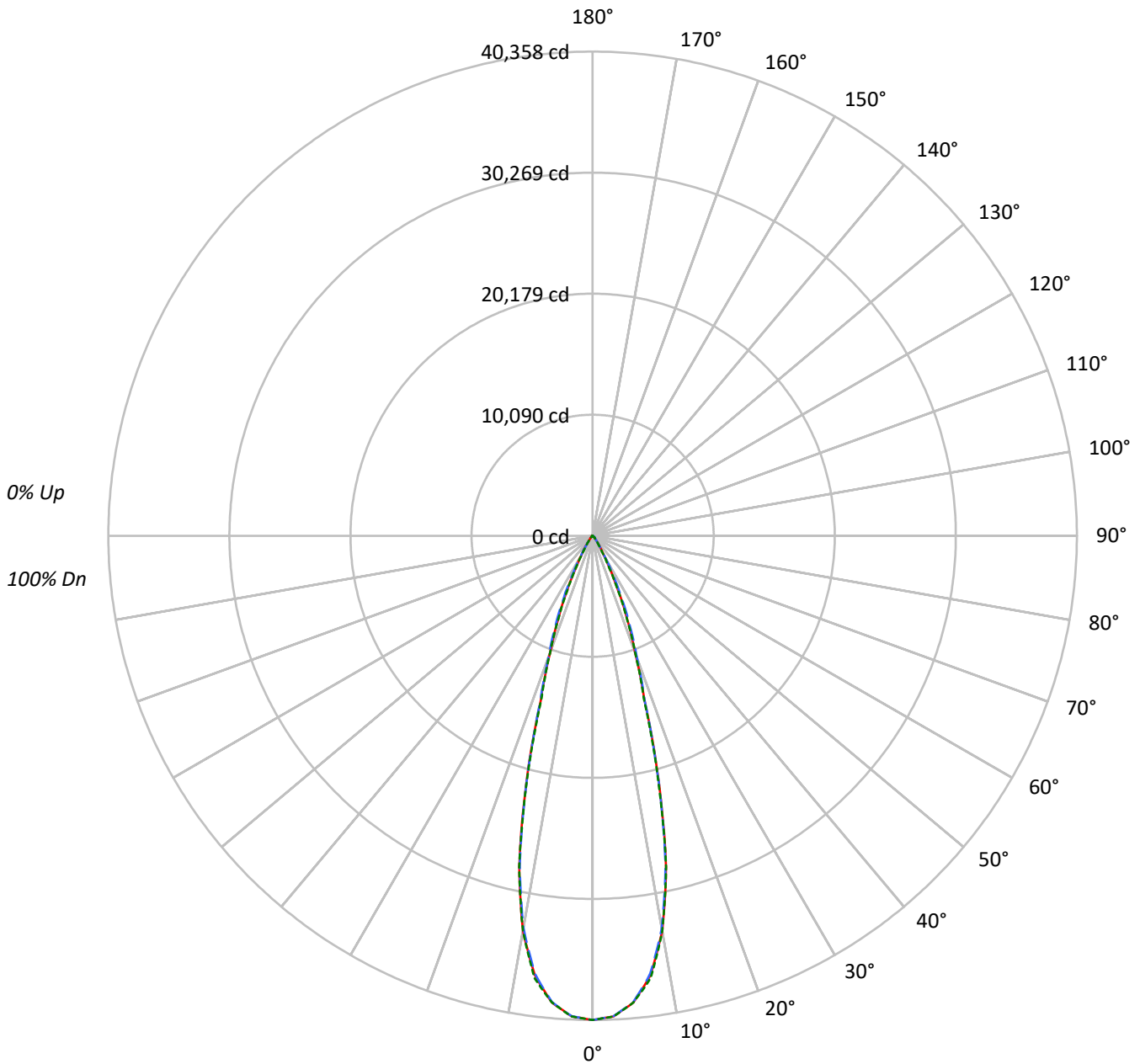


Downlight

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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°	3089177	3089177	3089177
5°	3000491	2996987	3000645
10°	2598880	2580552	2598266
15°	1695638	1686533	1678054
20°	843165	874794	842033
25°	424731	478952	416023
30°	170052	185290	148159
35°	78875	75539	63326
40°	34053	37820	32074
45°	24020	29812	24237
50°	8264	21708	8729
55°	4764	8994	5018
60°	3337	3950	3337
65°	2155	2155	2155
70°	1320	895	1320
75°	0	591	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 29812 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3548.9	28.3
10°-20°	5715.6	45.5
20°-30°	2469.9	19.7
30°-40°	562.9	4.5
40°-50°	193.3	1.5
50°-60°	47.2	0.4
60°-70°	12.2	0.1
70°-80°	1.3	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°	11734.3	93.5
0°-40°	12297.3	98.0
0°-60°	12537.8	99.9
0°-90°	12551.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12551.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	40358	40358	40358	40358	40358	
5°	39051	39013	39005	39086	39053	3552
15°	21398	21140	21283	21214	21176	5730
25°	5029	5219	5671	5086	4926	2407
35°	844	862	808	802	678	573
45°	222	275	275	275	224	158
55°	36	38	67	40	38	35
65°	12	12	12	12	12	12
75°	0	0	2	0	0	2
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°	40358.5	40358.5	40358.5	40358.5	40358.5
2.5°	40091.0	40063.2	40079.1	40098.9	40106.8
5°	39050.7	39013.1	39005.1	39086.4	39052.7
7.5°	36952.3	36898.8	36817.6	37001.9	37174.3
10°	33437.2	33377.8	33201.4	33288.6	33429.3
12.5°	28247.8	28055.6	28051.6	28329.0	28291.4
15°	21397.8	21140.2	21282.9	21213.6	21175.9
17.5°	14389.4	14290.3	14480.5	14423.1	14175.4
20°	10351.2	10376.9	10739.5	10557.2	10337.3
22.5°	7553.3	7646.5	8076.5	7606.8	7434.5
25°	5029.0	5219.2	5671.0	5086.4	4925.9
27.5°	3093.1	3180.3	3638.0	3053.4	2966.3
30°	1924.0	1880.4	2096.4	1799.2	1676.3
32.5°	1262.2	1206.7	1276.1	1145.3	1046.2
35°	844.1	861.9	808.4	802.5	677.7
37.5°	527.1	606.3	535.0	570.7	435.9
40°	340.8	439.9	378.5	418.1	321.0
42.5°	279.4	338.8	311.1	330.9	285.3
45°	221.9	275.4	275.4	275.4	223.9
47.5°	122.9	184.3	235.8	188.2	130.8
50°	69.4	93.1	182.3	97.1	73.3
52.5°	47.6	53.5	124.8	55.5	49.5
55°	35.7	37.6	67.4	39.6	37.6
57.5°	27.7	29.7	35.7	29.7	27.7
60°	21.8	21.8	25.8	23.8	21.8
62.5°	15.9	15.9	17.8	15.9	15.9
65°	11.9	11.9	11.9	11.9	11.9
67.5°	5.9	7.9	7.9	7.9	7.9
70°	5.9	4.0	4.0	4.0	5.9
72.5°	4.0	2.0	2.0	2.0	2.0
75°	0.0	0.0	2.0	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



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Scaled Data Report







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

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(END OF REPORT)