

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: P760224

Luminaire Tested: LD6D10D010-EU6DR300210IC9040-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760224  
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: LD6D10D010-EU6DR300210IC9040-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 836.1 lumens  
Efficiency: N/A  
Efficacy: 71.5 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): 11.7  
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

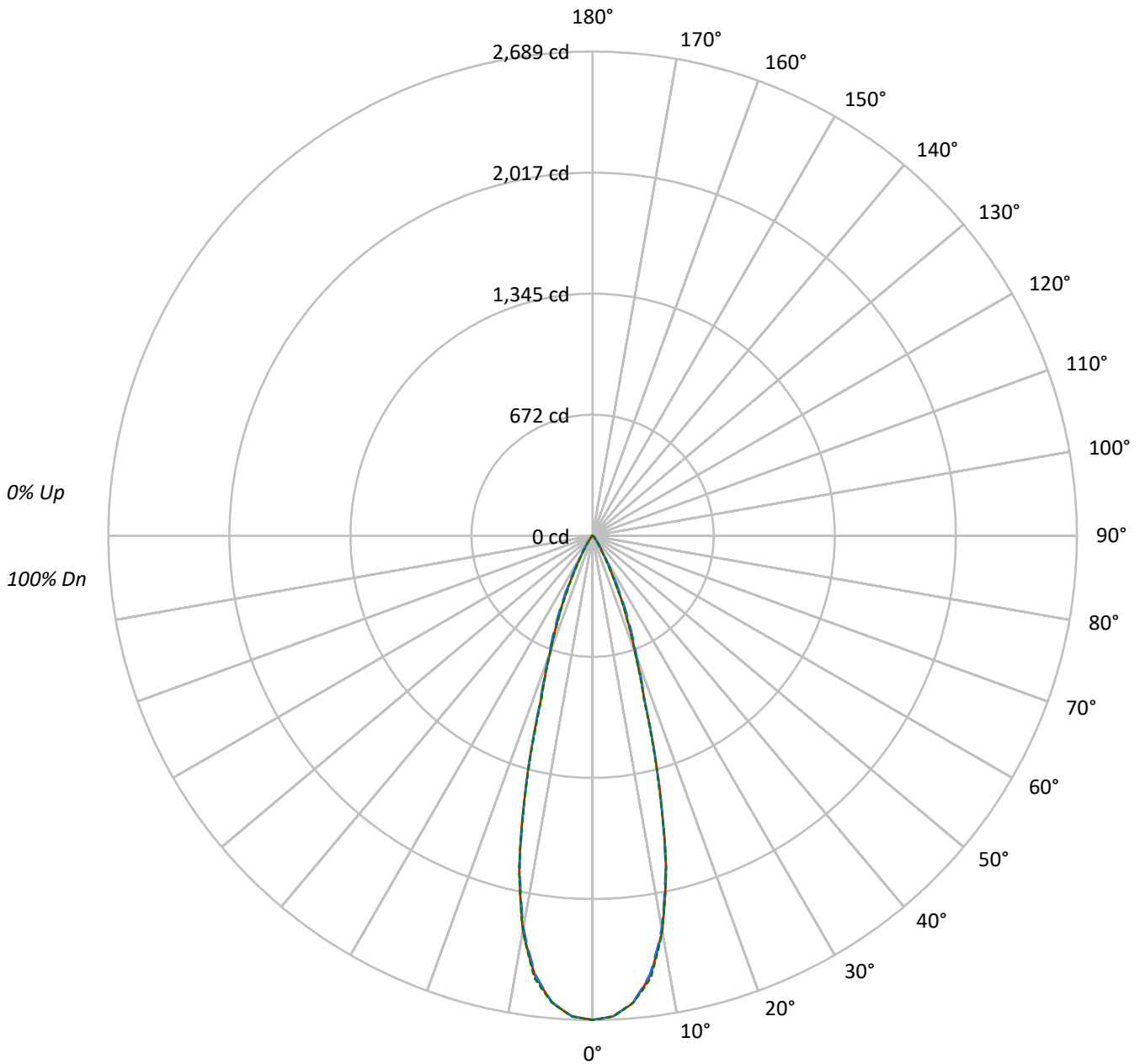


Downlight



TEST NUMBER: P760224  
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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	87	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°	205795	205795	205795
5°	199888	199650	199896
10°	173131	171910	173092
15°	112962	112352	111789
20°	56164	58273	56090
25°	28293	31908	27710
30°	11331	12347	9873
35°	5251	5037	4214
40°	2268	2518	2138
45°	1602	1981	1613
50°	548	1441	583
55°	307	601	334
60°	214	260	214
65°	145	145	145
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1981 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.4	28.3
10°-20°	380.8	45.5
20°-30°	164.5	19.7
30°-40°	37.5	4.5
40°-50°	12.9	1.5
50°-60°	3.1	0.4
60°-70°	0.8	0.1
70°-80°	0.1	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°	781.7	93.5
0°-40°	819.2	98.0
0°-60°	835.2	99.9
0°-90°	836.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2689	2689	2689	2689	2689	
5°	2602	2599	2598	2604	2602	237
15°	1426	1408	1418	1413	1411	382
25°	335	348	378	339	328	160
35°	56	57	54	54	45	38
45°	15	18	18	18	15	10
55°	2	2	4	3	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2688.6	2688.6	2688.6	2688.6	2688.6
2.5°	2670.8	2668.9	2670.0	2671.3	2671.8
5°	2601.5	2599.0	2598.4	2603.8	2601.6
7.5°	2461.7	2458.1	2452.7	2465.0	2476.5
10°	2227.5	2223.6	2211.8	2217.6	2227.0
12.5°	1881.8	1869.0	1868.7	1887.2	1884.7
15°	1425.5	1408.3	1417.8	1413.2	1410.7
17.5°	958.6	952.0	964.7	960.8	944.3
20°	689.5	691.3	715.4	703.3	688.6
22.5°	503.2	509.4	538.1	506.8	495.3
25°	335.0	347.7	377.8	338.8	328.1
27.5°	206.0	211.9	242.4	203.4	197.6
30°	128.2	125.2	139.7	119.9	111.7
32.5°	84.1	80.4	85.0	76.3	69.7
35°	56.2	57.4	53.9	53.5	45.1
37.5°	35.1	40.4	35.6	38.0	29.0
40°	22.7	29.3	25.2	27.8	21.4
42.5°	18.6	22.6	20.7	22.1	19.0
45°	14.8	18.3	18.3	18.3	14.9
47.5°	8.2	12.3	15.7	12.5	8.7
50°	4.6	6.2	12.1	6.5	4.9
52.5°	3.2	3.6	8.3	3.7	3.3
55°	2.3	2.5	4.5	2.6	2.5
57.5°	1.8	2.0	2.3	2.0	1.8
60°	1.4	1.4	1.7	1.6	1.4
62.5°	1.0	1.0	1.2	1.0	1.0
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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)