

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: P770278

Luminaire Tested: LD6D70BD010-EU6DR3070959024-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770278  
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: LD6D70BD010-EU6DR3070959024-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7465.2 lumens  
Efficiency: N/A  
Efficacy: 112.1 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

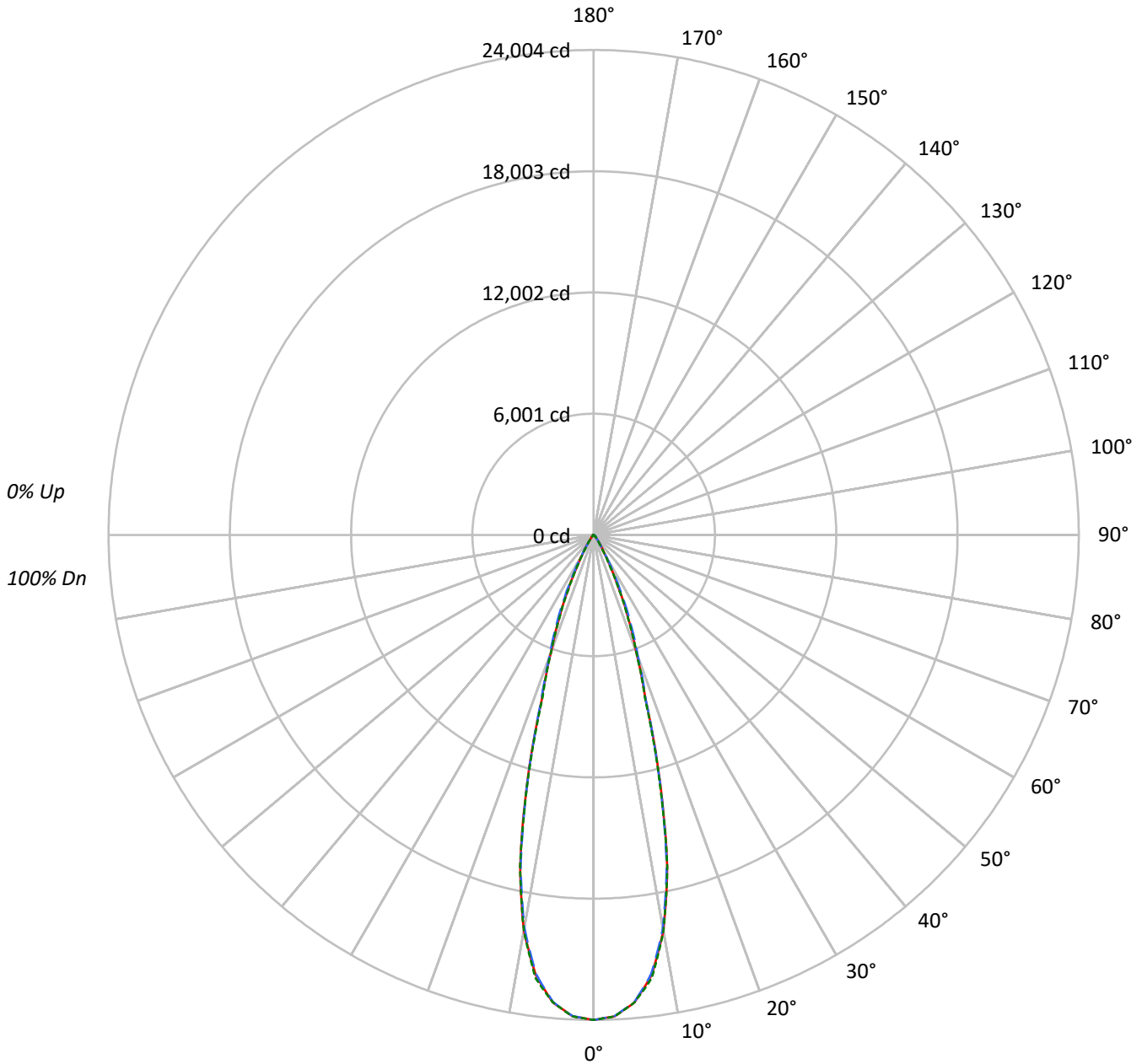
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1837371	1837371	1837371
5°	1784619	1782536	1784711
10°	1545756	1534851	1545390
15°	1008525	1003112	998065
20°	501491	520307	500823
25°	252617	284863	247440
30°	101147	110207	88120
35°	46917	44927	37667
40°	20254	22492	19075
45°	14289	17731	14419
50°	4906	12908	5192
55°	2829	5351	2989
60°	1990	2342	1990
65°	1286	1286	1286
70°	783	537	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17731 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2110.8	28.3
10°-20°	3399.5	45.5
20°-30°	1469.0	19.7
30°-40°	334.8	4.5
40°-50°	115.0	1.5
50°-60°	28.1	0.4
60°-70°	7.3	0.1
70°-80°	0.8	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°	6979.3	93.5
0°-40°	7314.1	98.0
0°-60°	7457.2	99.9
0°-90°	7465.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7465.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24004	24004	24004	24004	24004	
5°	23226	23204	23199	23248	23228	2113
15°	12727	12574	12659	12617	12595	3408
25°	2991	3104	3373	3025	2930	1432
35°	502	513	481	477	403	341
45°	132	164	164	164	133	94
55°	21	22	40	24	22	21
65°	7	7	7	7	7	7
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°	24004.3	24004.3	24004.3	24004.3	24004.3
2.5°	23845.2	23828.7	23838.1	23849.9	23854.6
5°	23226.4	23204.0	23199.3	23247.7	23227.6
7.5°	21978.4	21946.6	21898.2	22007.8	22110.4
10°	19887.7	19852.3	19747.4	19799.3	19883.0
12.5°	16801.1	16686.8	16684.4	16849.4	16827.0
15°	12726.9	12573.7	12658.6	12617.3	12594.9
17.5°	8558.5	8499.5	8612.7	8578.5	8431.2
20°	6156.6	6172.0	6387.6	6279.2	6148.4
22.5°	4492.6	4547.9	4803.7	4524.4	4421.8
25°	2991.1	3104.2	3372.9	3025.3	2929.8
27.5°	1839.7	1891.5	2163.8	1816.1	1764.3
30°	1144.4	1118.4	1246.9	1070.1	997.0
32.5°	750.7	717.7	759.0	681.2	622.3
35°	502.1	512.7	480.8	477.3	403.1
37.5°	313.5	360.6	318.2	339.4	259.3
40°	202.7	261.6	225.1	248.7	190.9
42.5°	166.2	201.5	185.0	196.8	169.7
45°	132.0	163.8	163.8	163.8	133.2
47.5°	73.1	109.6	140.2	112.0	77.8
50°	41.2	55.4	108.4	57.7	43.6
52.5°	28.3	31.8	74.2	33.0	29.5
55°	21.2	22.4	40.1	23.6	22.4
57.5°	16.5	17.7	21.2	17.7	16.5
60°	13.0	13.0	15.3	14.1	13.0
62.5°	9.4	9.4	10.6	9.4	9.4
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.4	2.4	2.4	3.5
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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)