

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: P771054

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771054  
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: LD6D75BD010-EU6DR3070959024-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 7495.7 lumens  
Efficiency: N/A  
Efficacy: 103.5 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

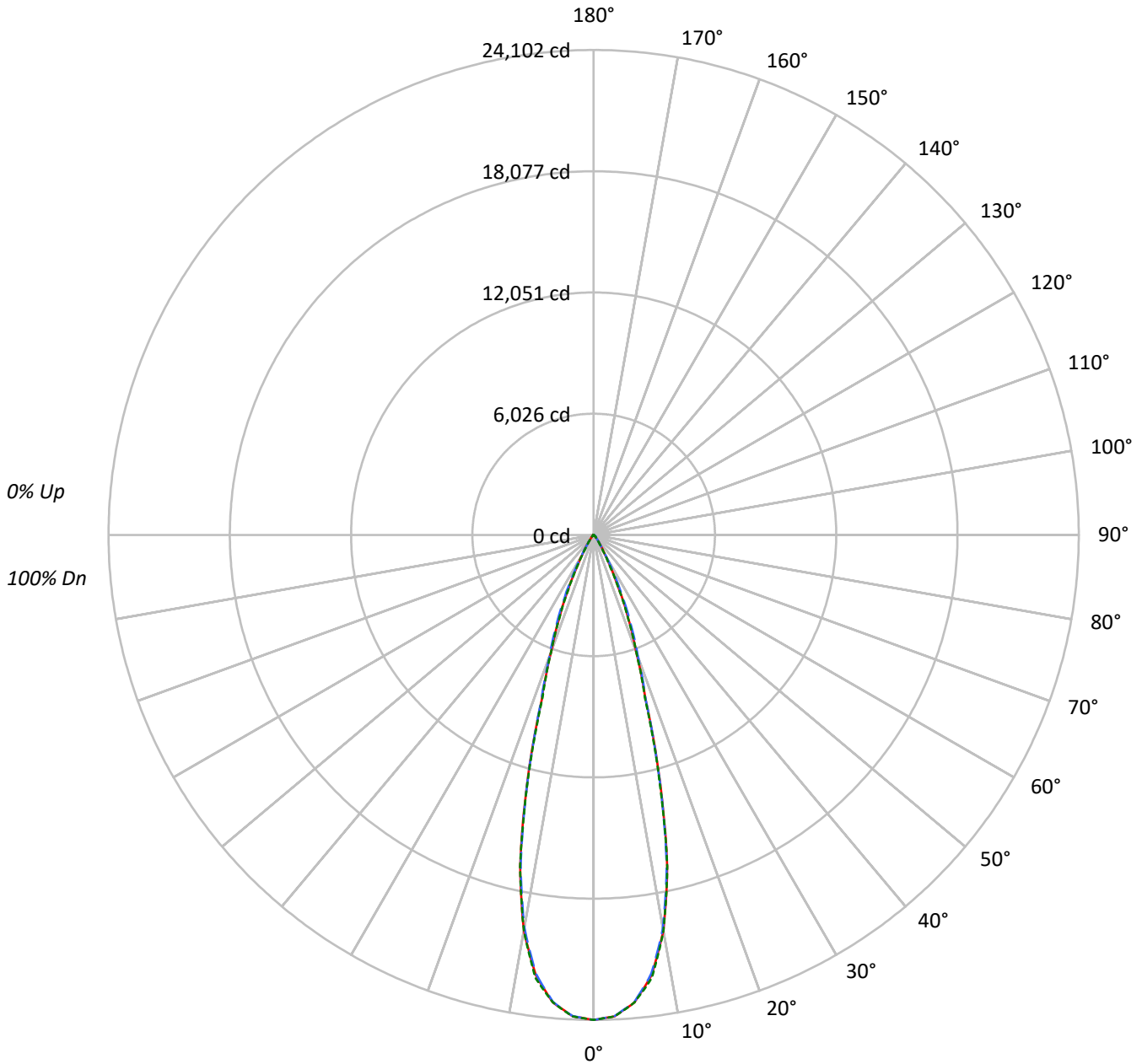
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1844872	1844872	1844872
5°	1791910	1789820	1792002
10°	1552067	1541123	1551701
15°	1012645	1007209	1002146
20°	503543	522433	502867
25°	253648	286028	248454
30°	101554	110658	88482
35°	47104	45114	37816
40°	20334	22582	19155
45°	14343	17807	14473
50°	4930	12968	5216
55°	2842	5365	3003
60°	1990	2358	1990
65°	1286	1286	1286
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17807 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2119.4	28.3
10°-20°	3413.4	45.5
20°-30°	1475.0	19.7
30°-40°	336.2	4.5
40°-50°	115.4	1.5
50°-60°	28.2	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°	7007.8	93.5
0°-40°	7344.0	98.0
0°-60°	7487.6	99.9
0°-90°	7495.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7495.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24102	24102	24102	24102	24102	
5°	23321	23299	23294	23343	23322	2121
15°	12779	12625	12710	12669	12646	3422
25°	3003	3117	3387	3038	2942	1438
35°	504	515	483	479	405	342
45°	132	164	164	164	134	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°	24102.3	24102.3	24102.3	24102.3	24102.3
2.5°	23942.6	23926.0	23935.5	23947.3	23952.0
5°	23321.3	23298.8	23294.1	23342.6	23322.5
7.5°	22068.2	22036.2	21987.7	22097.7	22200.7
10°	19968.9	19933.4	19828.1	19880.2	19964.2
12.5°	16869.7	16754.9	16752.6	16918.2	16895.8
15°	12778.9	12625.1	12710.3	12668.9	12646.4
17.5°	8593.4	8534.3	8647.9	8613.5	8465.6
20°	6181.8	6197.2	6413.7	6304.8	6173.5
22.5°	4510.9	4566.5	4823.3	4542.9	4439.9
25°	3003.3	3116.9	3386.7	3037.6	2941.8
27.5°	1847.2	1899.3	2172.6	1823.5	1771.5
30°	1149.0	1123.0	1252.0	1074.5	1001.1
32.5°	753.8	720.7	762.1	684.0	624.8
35°	504.1	514.8	482.8	479.3	404.7
37.5°	314.8	362.1	319.5	340.8	260.3
40°	203.5	262.7	226.0	249.7	191.7
42.5°	166.9	202.4	185.8	197.6	170.4
45°	132.5	164.5	164.5	164.5	133.7
47.5°	73.4	110.1	140.8	112.4	78.1
50°	41.4	55.6	108.9	58.0	43.8
52.5°	28.4	32.0	74.6	33.1	29.6
55°	21.3	22.5	40.2	23.7	22.5
57.5°	16.6	17.8	21.3	17.8	16.6
60°	13.0	13.0	15.4	14.2	13.0
62.5°	9.5	9.5	10.7	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.6	4.7	4.7	4.7	4.7
70°	3.6	2.4	2.4	2.4	3.6
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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







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

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