

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: P773410

Luminaire Tested: LD6D90BD010-EU6DR3070959027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773410  
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-EU6DR3070959027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10891.4 lumens  
Efficiency: N/A  
Efficacy: 110.1 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

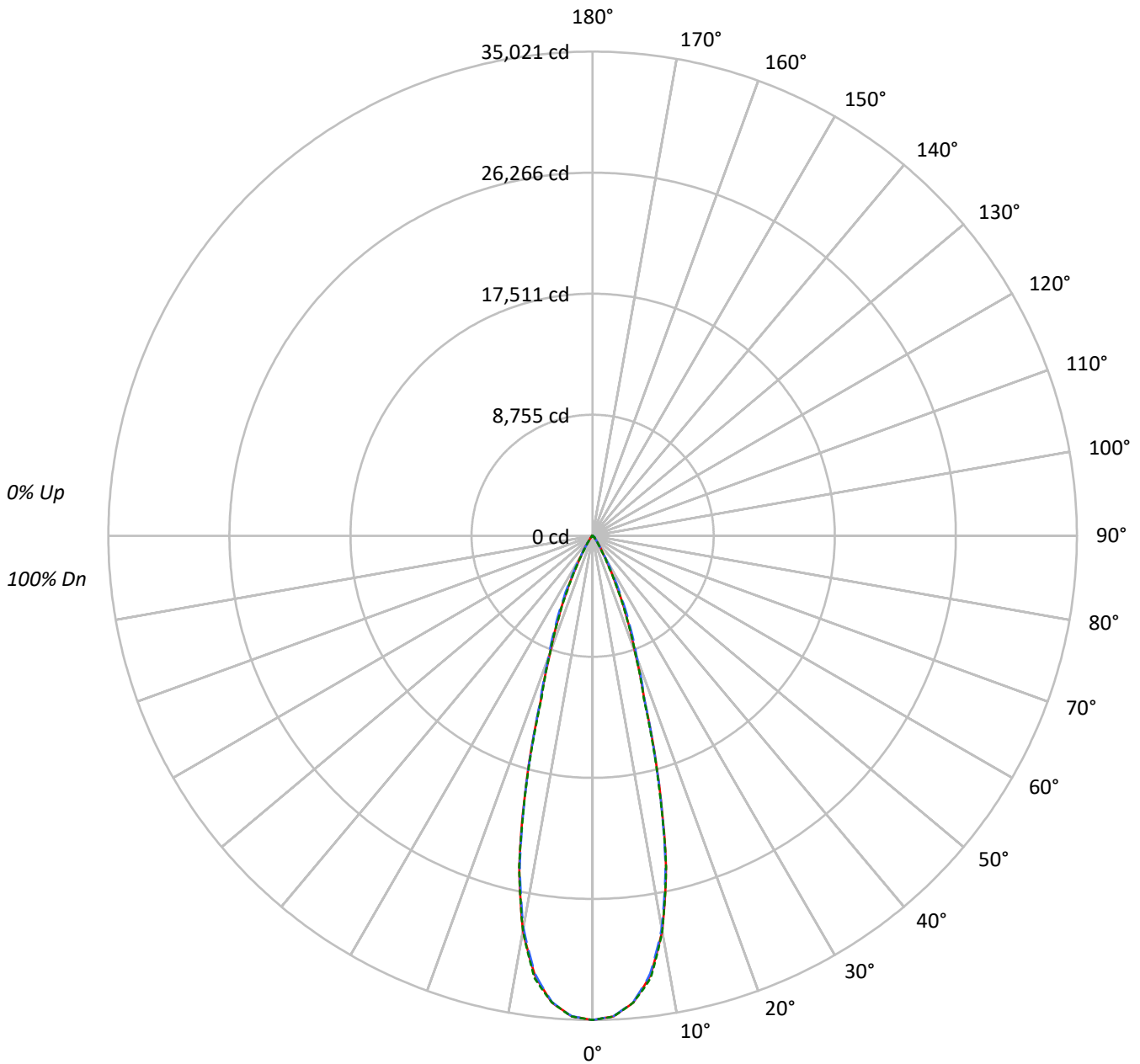
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	2680634	2680634	2680634
5°	2603680	2600645	2603811
10°	2255183	2239281	2254647
15°	1471394	1463494	1456132
20°	731652	759103	730675
25°	368559	415609	361008
30°	147567	160781	128564
35°	68446	65550	54944
40°	29546	32814	27828
45°	20849	25871	21033
50°	7169	18839	7574
55°	4124	7807	4364
60°	2893	3429	2893
65°	1866	1866	1866
70°	1164	761	1164
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 25871 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3079.6	28.3
10°-20°	4959.7	45.5
20°-30°	2143.2	19.7
30°-40°	488.5	4.5
40°-50°	167.7	1.5
50°-60°	41.0	0.4
60°-70°	10.6	0.1
70°-80°	1.1	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°	10182.5	93.5
0°-40°	10670.9	98.0
0°-60°	10879.6	99.9
0°-90°	10891.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10891.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	35021	35021	35021	35021	35021	
5°	33886	33854	33847	33917	33888	3082
15°	18568	18344	18468	18408	18375	4972
25°	4364	4529	4921	4414	4274	2089
35°	732	748	702	696	588	497
45°	193	239	239	239	194	137
55°	31	33	58	34	33	30
65°	10	10	10	10	10	10
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°	35021.1	35021.1	35021.1	35021.1	35021.1
2.5°	34789.0	34764.9	34778.7	34795.9	34802.8
5°	33886.3	33853.6	33846.8	33917.3	33888.0
7.5°	32065.4	32019.0	31948.5	32108.4	32258.0
10°	29015.2	28963.6	28810.6	28886.2	29008.3
12.5°	24512.0	24345.2	24341.8	24582.5	24549.9
15°	18568.0	18344.5	18468.3	18408.1	18375.4
17.5°	12486.4	12400.4	12565.5	12515.6	12300.7
20°	8982.2	9004.6	9319.2	9161.1	8970.2
22.5°	6554.4	6635.2	7008.4	6600.8	6451.3
25°	4363.9	4528.9	4921.0	4413.7	4274.5
27.5°	2684.0	2759.7	3156.9	2649.6	2574.0
30°	1669.6	1631.7	1819.1	1561.2	1454.6
32.5°	1095.3	1047.1	1107.3	993.8	907.9
35°	732.5	747.9	701.5	696.4	588.0
37.5°	457.4	526.1	464.2	495.2	378.3
40°	295.7	381.7	328.4	362.8	278.5
42.5°	242.4	294.0	269.9	287.1	247.6
45°	192.6	239.0	239.0	239.0	194.3
47.5°	106.6	159.9	204.6	163.3	113.5
50°	60.2	80.8	158.2	84.3	63.6
52.5°	41.3	46.4	108.3	48.1	43.0
55°	30.9	32.7	58.5	34.4	32.7
57.5°	24.1	25.8	30.9	25.8	24.1
60°	18.9	18.9	22.4	20.6	18.9
62.5°	13.8	13.8	15.5	13.8	13.8
65°	10.3	10.3	10.3	10.3	10.3
67.5°	5.2	6.9	6.9	6.9	6.9
70°	5.2	3.4	3.4	3.4	5.2
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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)