

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: P770303

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770303  
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-EU6DR3070959030-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8297.1 lumens  
Efficiency: N/A  
Efficacy: 124.6 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

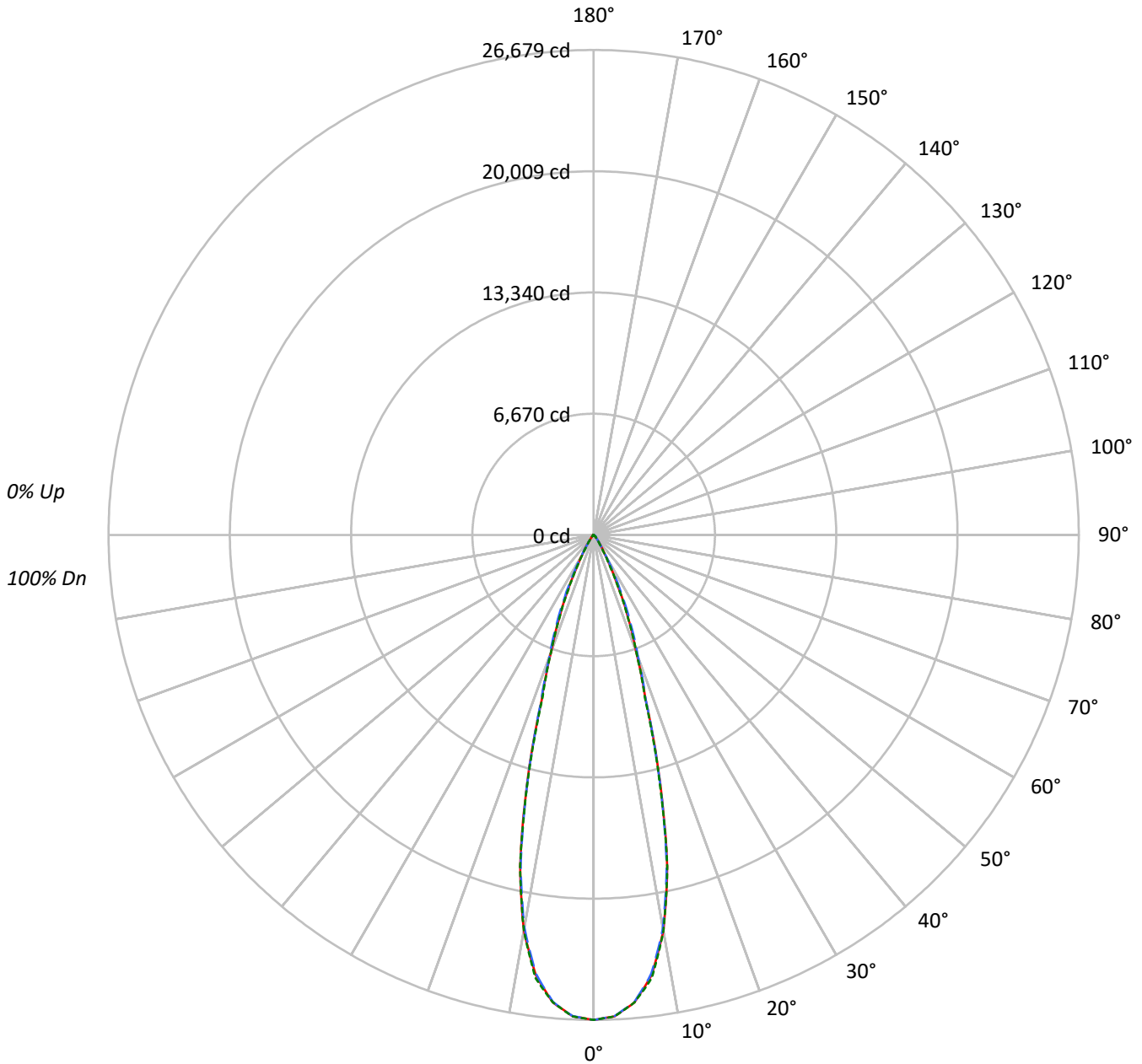
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	2042124	2042124	2042124
5°	1983500	1981188	1983600
10°	1718016	1705899	1717604
15°	1120916	1114901	1109291
20°	557377	578295	556636
25°	280767	316610	275015
30°	112417	122484	97939
35°	52141	49936	41862
40°	22512	25000	21203
45°	15880	19712	16021
50°	5454	14349	5775
55°	3149	5938	3323
60°	2204	2602	2204
65°	1431	1431	1431
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19712 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2346.0	28.3
10°-20°	3778.3	45.5
20°-30°	1632.7	19.7
30°-40°	372.1	4.5
40°-50°	127.8	1.5
50°-60°	31.2	0.4
60°-70°	8.1	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°	7757.1	93.5
0°-40°	8129.2	98.0
0°-60°	8288.2	99.9
0°-90°	8297.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8297.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26679	26679	26679	26679	26679	
5°	25815	25790	25785	25838	25816	2348
15°	14145	13975	14069	14023	13998	3788
25°	3324	3450	3749	3362	3256	1591
35°	558	570	534	530	448	378
45°	147	182	182	182	148	104
55°	24	25	44	26	25	23
65°	8	8	8	8	8	8
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°	26679.3	26679.3	26679.3	26679.3	26679.3
2.5°	26502.5	26484.1	26494.6	26507.7	26513.0
5°	25814.8	25789.9	25784.7	25838.4	25816.1
7.5°	24427.7	24392.3	24338.6	24460.4	24574.4
10°	22104.0	22064.7	21948.1	22005.7	22098.7
12.5°	18673.4	18546.4	18543.7	18727.1	18702.2
15°	14145.2	13974.9	14069.3	14023.4	13998.5
17.5°	9512.2	9446.7	9572.5	9534.5	9370.8
20°	6842.7	6859.8	7099.5	6979.0	6833.6
22.5°	4993.2	5054.8	5339.0	5028.6	4914.6
25°	3324.4	3450.2	3748.8	3362.4	3256.3
27.5°	2044.7	2102.3	2404.9	2018.5	1960.9
30°	1271.9	1243.1	1385.8	1189.4	1108.1
32.5°	834.4	797.7	843.6	757.1	691.6
35°	558.0	569.8	534.4	530.5	448.0
37.5°	348.4	400.8	353.7	377.2	288.2
40°	225.3	290.8	250.2	276.4	212.2
42.5°	184.7	224.0	205.6	218.7	188.6
45°	146.7	182.1	182.1	182.1	148.0
47.5°	81.2	121.8	155.9	124.4	86.5
50°	45.8	61.6	120.5	64.2	48.5
52.5°	31.4	35.4	82.5	36.7	32.7
55°	23.6	24.9	44.5	26.2	24.9
57.5°	18.3	19.6	23.6	19.6	18.3
60°	14.4	14.4	17.0	15.7	14.4
62.5°	10.5	10.5	11.8	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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)