

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: P770299

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770299  
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-EU6DR3070959030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 7882.3 lumens  
Efficiency: N/A  
Efficacy: 118.4 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

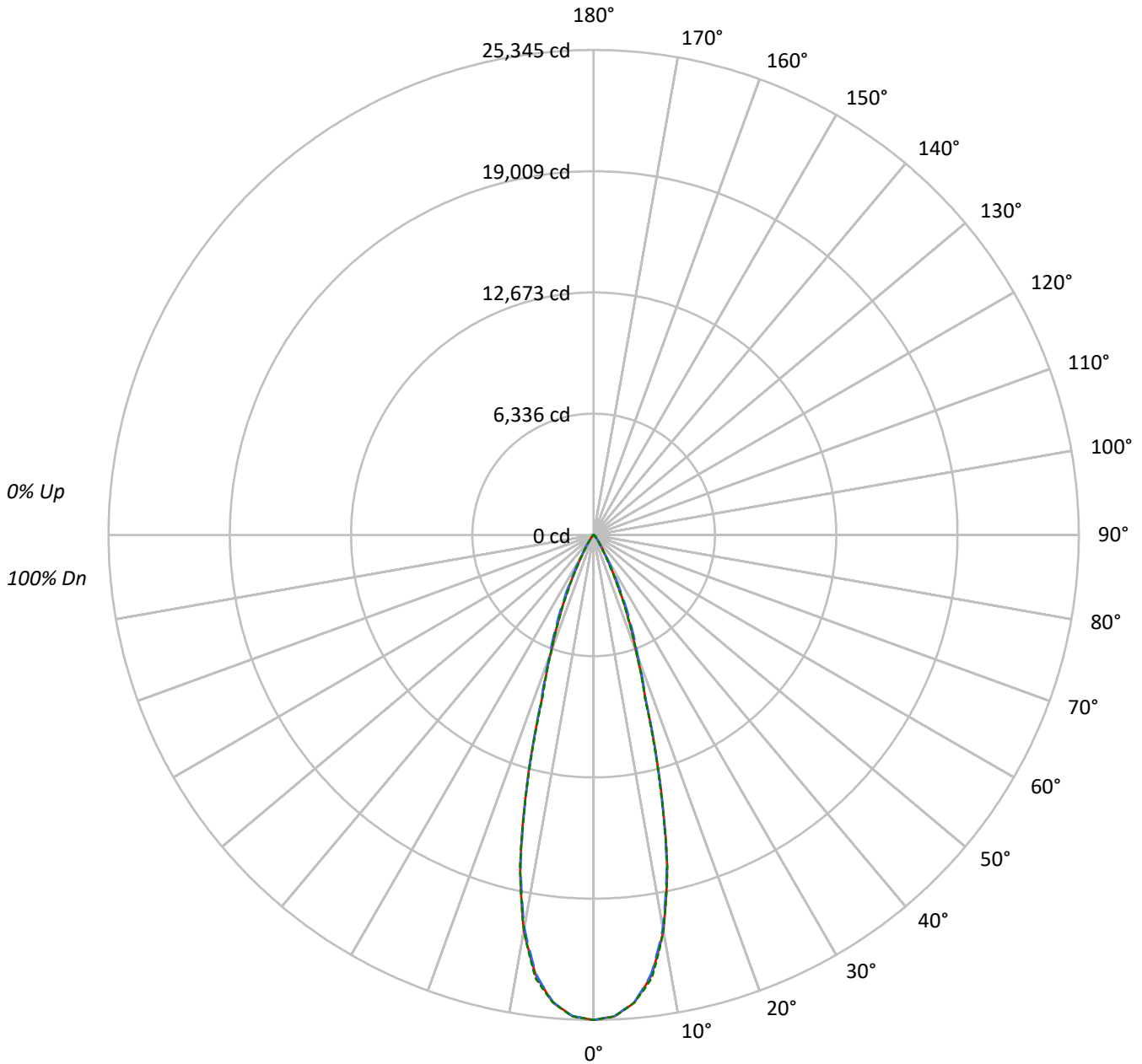
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	1940015	1940015	1940015
5°	1884328	1882123	1884421
10°	1632115	1620604	1631726
15°	1064875	1059154	1053828
20°	529511	549379	528803
25°	266730	300783	261266
30°	106795	116358	93043
35°	49534	47441	39769
40°	21383	23751	20144
45°	15090	18727	15220
50°	5192	13635	5478
55°	2989	5645	3149
60°	2097	2480	2097
65°	1358	1358	1358
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 18727 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2228.7	28.3
10°-20°	3589.4	45.5
20°-30°	1551.1	19.7
30°-40°	353.5	4.5
40°-50°	121.4	1.5
50°-60°	29.7	0.4
60°-70°	7.7	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°	7369.2	93.5
0°-40°	7722.8	98.0
0°-60°	7873.8	99.9
0°-90°	7882.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7882.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25345	25345	25345	25345	25345	
5°	24524	24500	24495	24546	24525	2231
15°	13438	13276	13366	13322	13299	3598
25°	3158	3278	3561	3194	3094	1512
35°	530	541	508	504	426	360
45°	139	173	173	173	141	99
55°	22	24	42	25	24	22
65°	8	8	8	8	8	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°	25345.3	25345.3	25345.3	25345.3	25345.3
2.5°	25177.4	25159.9	25169.9	25182.3	25187.3
5°	24524.1	24500.4	24495.4	24546.5	24525.3
7.5°	23206.3	23172.7	23121.7	23237.4	23345.6
10°	20998.8	20961.4	20850.7	20905.4	20993.8
12.5°	17739.8	17619.0	17616.6	17790.8	17767.1
15°	13438.0	13276.2	13365.8	13322.2	13298.6
17.5°	9036.6	8974.4	9093.9	9057.8	8902.2
20°	6500.6	6516.8	6744.5	6630.0	6491.9
22.5°	4743.5	4802.0	5072.1	4777.1	4668.9
25°	3158.2	3277.7	3561.4	3194.3	3093.5
27.5°	1942.5	1997.2	2284.7	1917.6	1862.8
30°	1208.3	1180.9	1316.5	1129.9	1052.7
32.5°	792.7	757.8	801.4	719.2	657.0
35°	530.1	541.3	507.7	504.0	425.6
37.5°	331.0	380.8	336.0	358.4	273.8
40°	214.0	276.3	237.7	262.6	201.6
42.5°	175.5	212.8	195.4	207.8	179.2
45°	139.4	173.0	173.0	173.0	140.6
47.5°	77.2	115.7	148.1	118.2	82.1
50°	43.6	58.5	114.5	61.0	46.0
52.5°	29.9	33.6	78.4	34.8	31.1
55°	22.4	23.6	42.3	24.9	23.6
57.5°	17.4	18.7	22.4	18.7	17.4
60°	13.7	13.7	16.2	14.9	13.7
62.5°	10.0	10.0	11.2	10.0	10.0
65°	7.5	7.5	7.5	7.5	7.5
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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)