

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: P770749

Luminaire Tested: LD6D70BD010-EU6DR6070959024-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770749  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D70BD010-EU6DR6070959024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6234.9 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

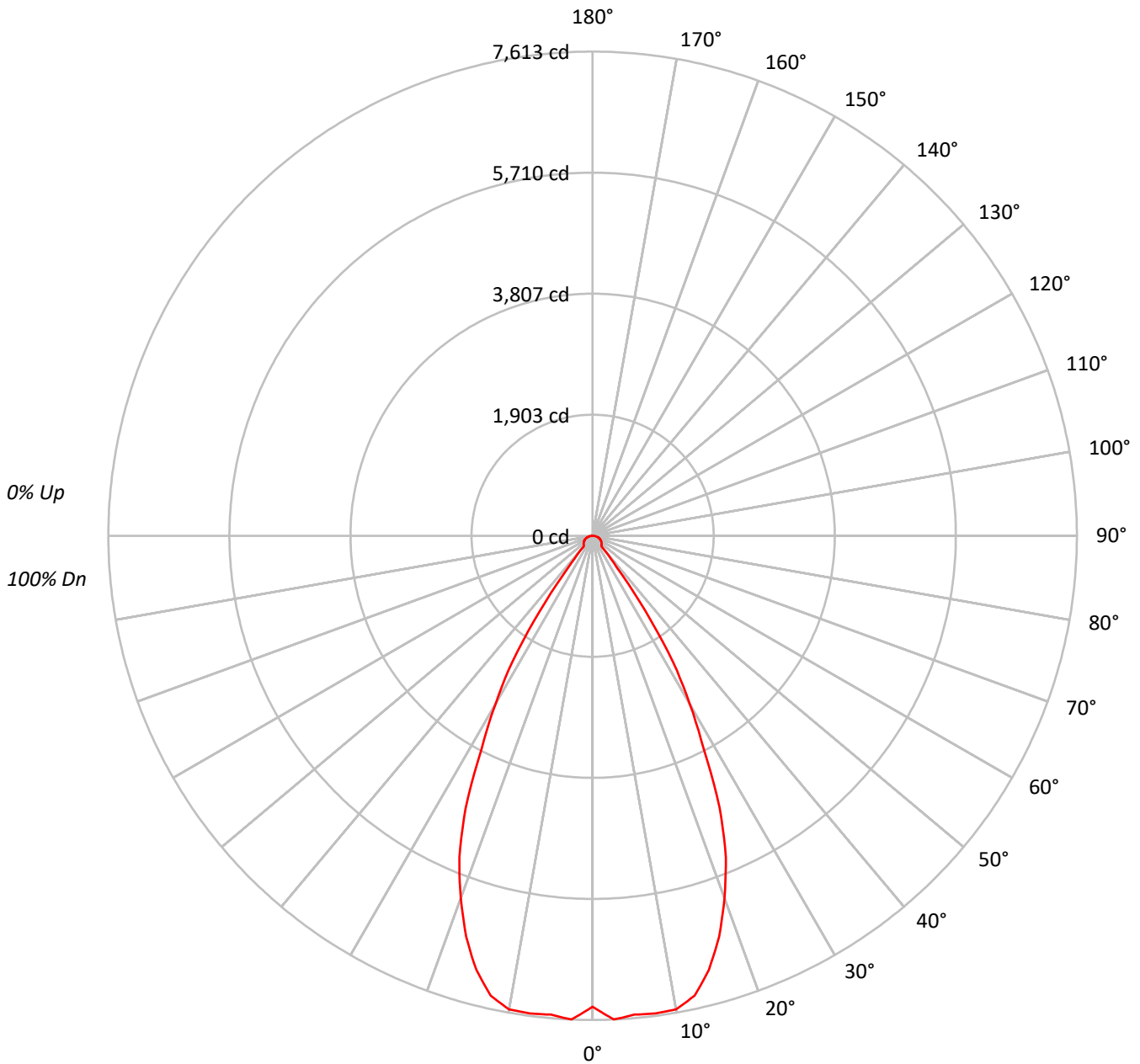
Input Watts (W): 66.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	809043
5°	828936
10°	838954
15°	799214
20°	704660
25°	569952
30°	385518
35°	193192
40°	31336
45°	30672
50°	31293
55°	31755
60°	32647
65°	33377
70°	34182
75°	34574
80°	33348
85°	27831

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 34574 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	722.3	11.6
10°-20°	1954.4	31.3
20°-30°	2102.7	33.7
30°-40°	914.0	14.7
40°-50°	153.5	2.5
50°-60°	149.3	2.4
60°-70°	127.7	2.0
70°-80°	85.4	1.4
80°-90°	25.6	0.4
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°	4779.4	76.7
0°-40°	5693.4	91.3
0°-60°	5996.2	96.2
0°-90°	6234.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6234.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7405	
5°	7558	722
15°	7066	1954
25°	4728	2103
35°	1448	914
45°	198	154
55°	167	149
65°	129	128
75°	82	85
85°	22	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7404.7
2.5°	7612.8
5°	7557.9
7.5°	7575.3
10°	7561.8
12.5°	7405.7
15°	7065.5
17.5°	6608.7
20°	6060.4
22.5°	5473.5
25°	4727.7
27.5°	3781.4
30°	3055.7
32.5°	2355.2
35°	1448.4
37.5°	619.6
40°	219.7
42.5°	202.4
45°	198.5
47.5°	191.8
50°	184.1
52.5°	175.4
55°	166.7
57.5°	158.0
60°	149.4
62.5°	139.7
65°	129.1
67.5°	118.5
70°	107.0
72.5°	94.4
75°	81.9
77.5°	67.5
80°	53.0
82.5°	37.6
85°	22.2
87.5°	7.7
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)