

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: P770905

Luminaire Tested: LD6D70BD010-EU6DR7070959024-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770905  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D70BD010-EU6DR7070959024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

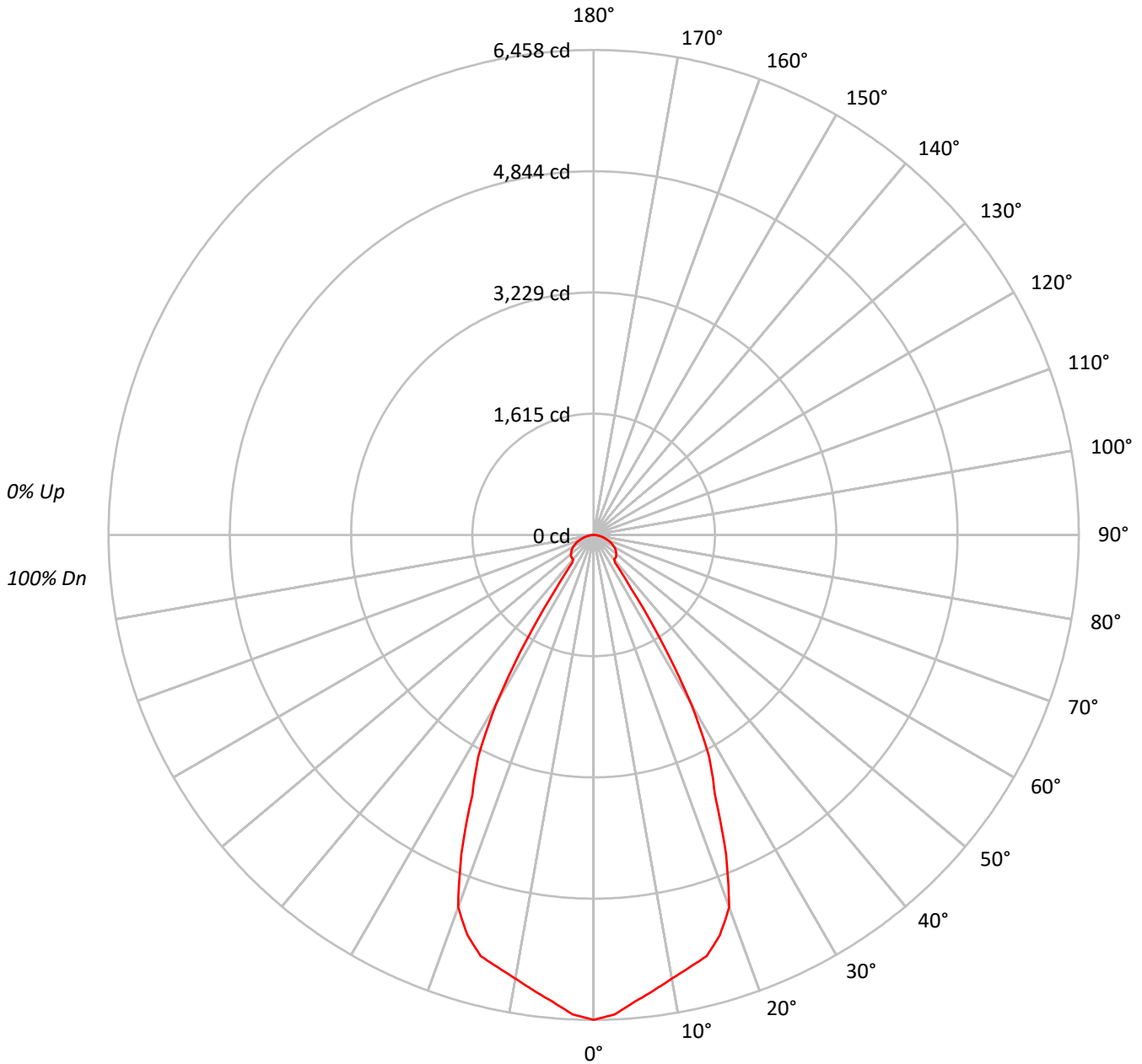
Lumens per Lamp: N/A  
Luminaire Lumens: 5743.6 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91				
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70				
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65				
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61				
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57				
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53				
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50				
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48				

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

	0°
0°	705551
5°	684578
10°	665500
15°	656769
20°	613293
25°	460728
30°	325704
35°	115363
40°	60660
45°	64619
50°	66904
55°	68157
60°	68594
65°	67141
70°	63348
75°	58679
80°	52098
85°	42247

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 68611 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	588.7	10.3
10°-20°	1614.9	28.1
20°-30°	1778.6	31.0
30°-40°	679.5	11.8
40°-50°	320.9	5.6
50°-60°	319.0	5.6
60°-70°	255.4	4.4
70°-80°	146.8	2.6
80°-90°	39.9	0.7
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°	3982.1	69.3
0°-40°	4661.7	81.2
0°-60°	5301.5	92.3
0°-90°	5743.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5743.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6458	
5°	6242	589
15°	5806	1615
25°	3822	1779
35°	865	680
45°	418	321
55°	358	319
65°	260	255
75°	139	147
85°	34	40
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6457.5
2.5°	6390.0
5°	6241.7
7.5°	6118.0
10°	5998.4
12.5°	5897.2
15°	5806.2
17.5°	5586.4
20°	5274.6
22.5°	4601.8
25°	3821.7
27.5°	3326.9
30°	2581.6
32.5°	1667.5
35°	864.9
37.5°	467.2
40°	425.3
42.5°	422.3
45°	418.2
47.5°	409.0
50°	393.6
52.5°	376.2
55°	357.8
57.5°	337.4
60°	313.9
62.5°	287.3
65°	259.7
67.5°	229.0
70°	198.3
72.5°	167.7
75°	139.0
77.5°	109.4
80°	82.8
82.5°	58.3
85°	33.7
87.5°	13.3
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)