

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: P773089

Luminaire Tested: LD6D85BD010-EU6DR6070959024-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773089  
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: LD6D85BD010-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**

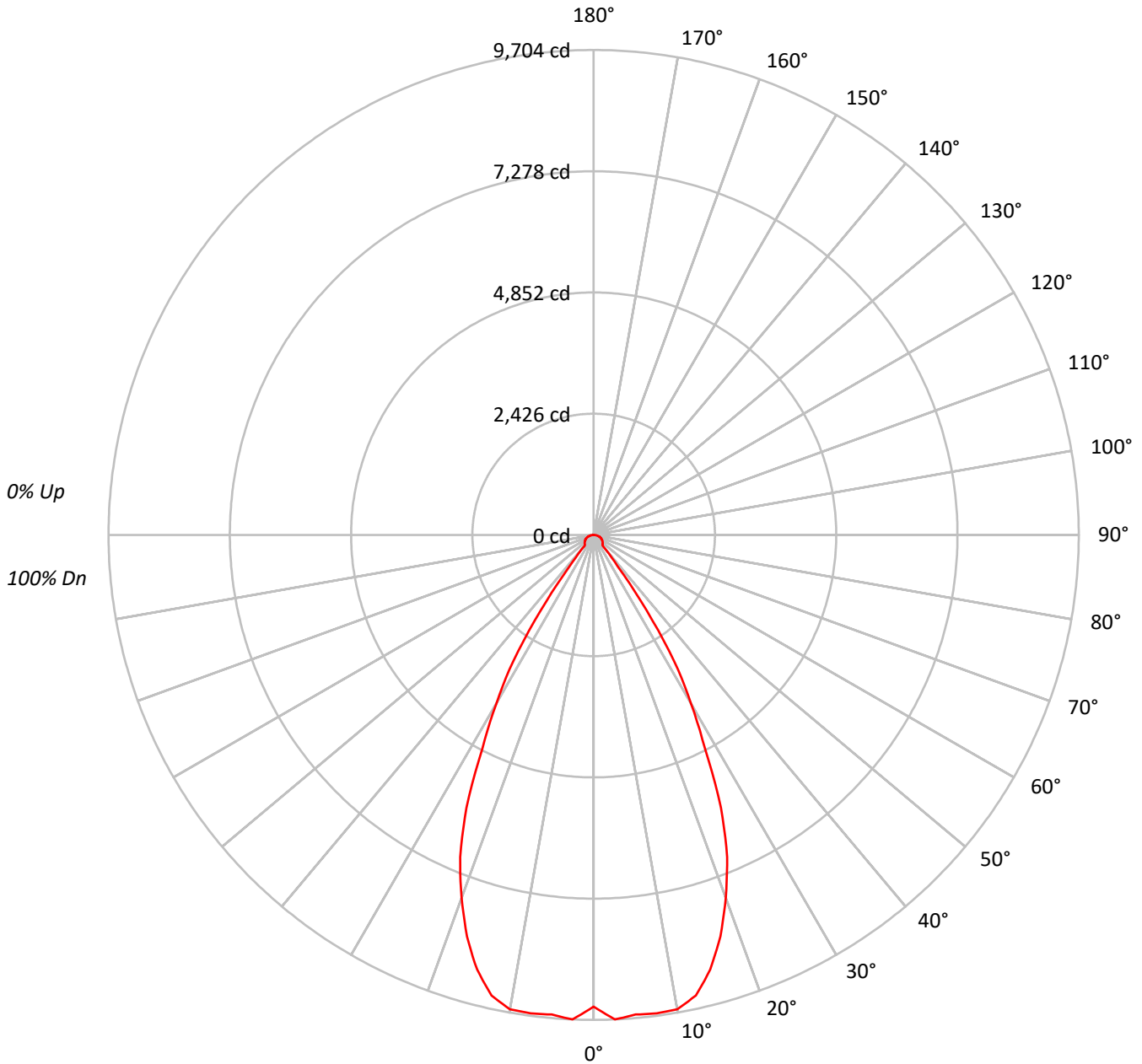
Lumens per Lamp: N/A  
Luminaire Lumens: 7948.0 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 87.7  
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
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°	1031334
5°	1056694
10°	1069456
15°	1018805
20°	898266
25°	726542
30°	491444
35°	246265
40°	39951
45°	39109
50°	39877
55°	40479
60°	41606
65°	42555
70°	43574
75°	44073
80°	42534
85°	35478

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 44073 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	920.8	11.6
10°-20°	2491.3	31.3
20°-30°	2680.5	33.7
30°-40°	1165.1	14.7
40°-50°	195.7	2.5
50°-60°	190.3	2.4
60°-70°	162.7	2.0
70°-80°	108.9	1.4
80°-90°	32.6	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°	6092.6	76.7
0°-40°	7257.7	91.3
0°-60°	7643.7	96.2
0°-90°	7948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7948.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9439	
5°	9634	921
15°	9007	2491
25°	6027	2680
35°	1846	1165
45°	253	196
55°	212	190
65°	165	163
75°	104	109
85°	28	33
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9439.2
2.5°	9704.5
5°	9634.5
7.5°	9656.6
10°	9639.4
12.5°	9440.4
15°	9006.8
17.5°	8424.5
20°	7725.5
22.5°	6977.4
25°	6026.6
27.5°	4820.3
30°	3895.3
32.5°	3002.3
35°	1846.3
37.5°	789.9
40°	280.1
42.5°	258.0
45°	253.1
47.5°	244.5
50°	234.6
52.5°	223.6
55°	212.5
57.5°	201.5
60°	190.4
62.5°	178.1
65°	164.6
67.5°	151.1
70°	136.4
72.5°	120.4
75°	104.4
77.5°	86.0
80°	67.6
82.5°	47.9
85°	28.3
87.5°	9.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)