

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: P772728

Luminaire Tested: LD6D85BD010-EU6DR3570959035-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR3570959035-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

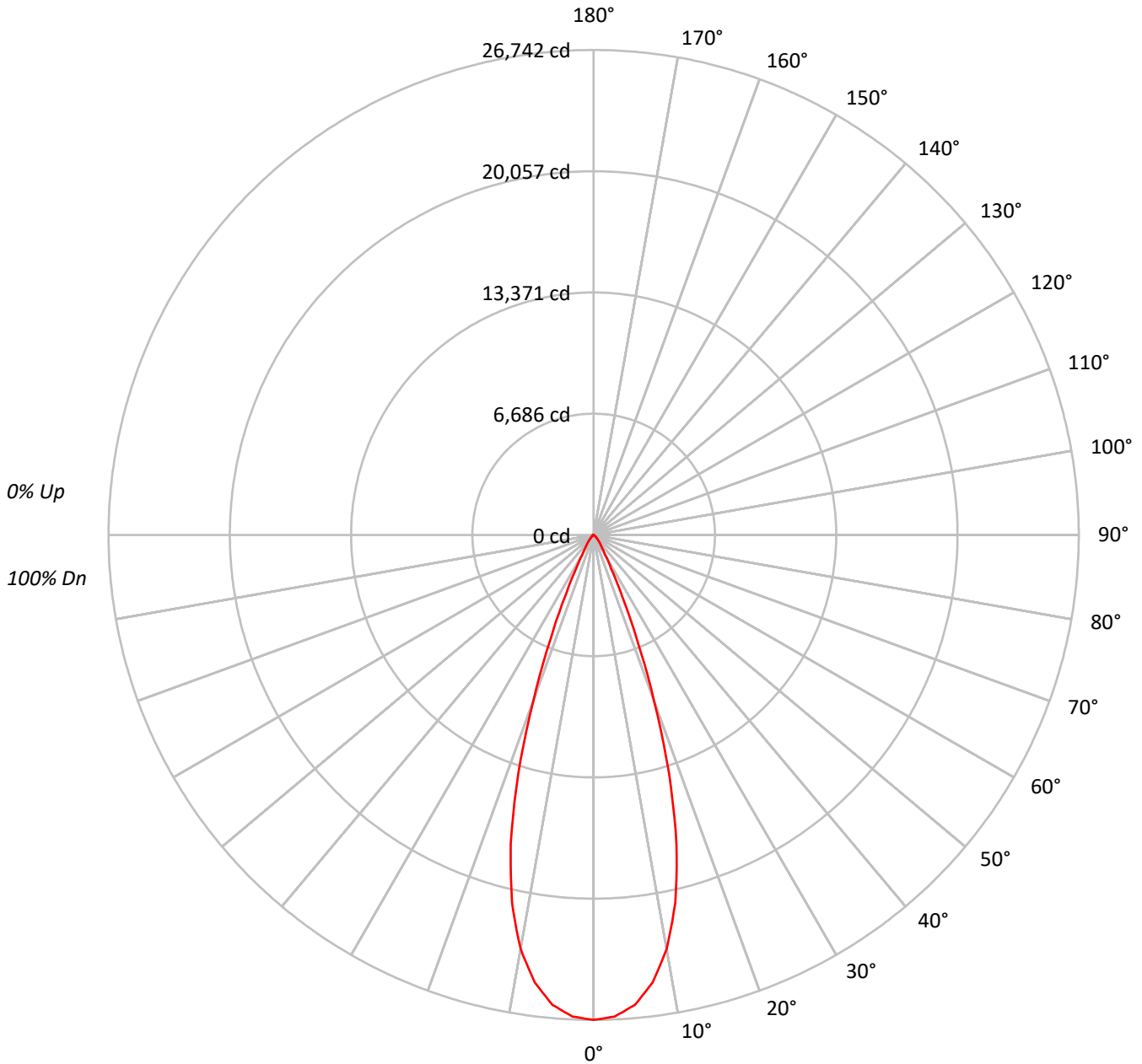
Lumens per Lamp: N/A  
Luminaire Lumens: 9719.0 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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									
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				100															
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96				96															
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88				88															
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84				84															
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81				81															
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78				78															
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75				75															
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72				72															
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70				70															
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68				68															

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

	0°
0°	2921796
5°	2853144
10°	2571435
15°	1995847
20°	1132021
25°	440403
30°	164303
35°	90060
40°	58863
45°	35833
50°	22811
55°	16115
60°	11800
65°	6412
70°	479
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 35833 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2392.5	24.6
10°-20°	4671.2	48.1
20°-30°	1905.1	19.6
30°-40°	455.9	4.7
40°-50°	190.0	2.0
50°-60°	78.7	0.8
60°-70°	24.6	0.3
70°-80°	0.6	0.0
80°-90°	0.4	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°	8968.8	92.3
0°-40°	9424.7	97.0
0°-60°	9693.3	99.7
0°-90°	9719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9719.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	26742	
5°	26014	###
15°	17644	4671
25°	3653	1905
35°	675	456
45°	232	190
55°	85	79
65°	25	25
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	26741.5
2.5°	26581.1
5°	26013.8
7.5°	24882.1
10°	23177.3
12.5°	20776.9
15°	17644.4
17.5°	13813.4
20°	9735.9
22.5°	6208.1
25°	3653.1
27.5°	2065.0
30°	1302.3
32.5°	914.4
35°	675.2
37.5°	522.1
40°	412.7
42.5°	317.9
45°	231.9
47.5°	173.5
50°	134.2
52.5°	106.5
55°	84.6
57.5°	68.5
60°	54.0
62.5°	39.4
65°	24.8
67.5°	8.8
70°	1.5
72.5°	1.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.5
85°	0.0
87.5°	0.0
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)