

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: P772828

Luminaire Tested: LD6D85BD010-EU6DR4070959040-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772828  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR4070959040-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

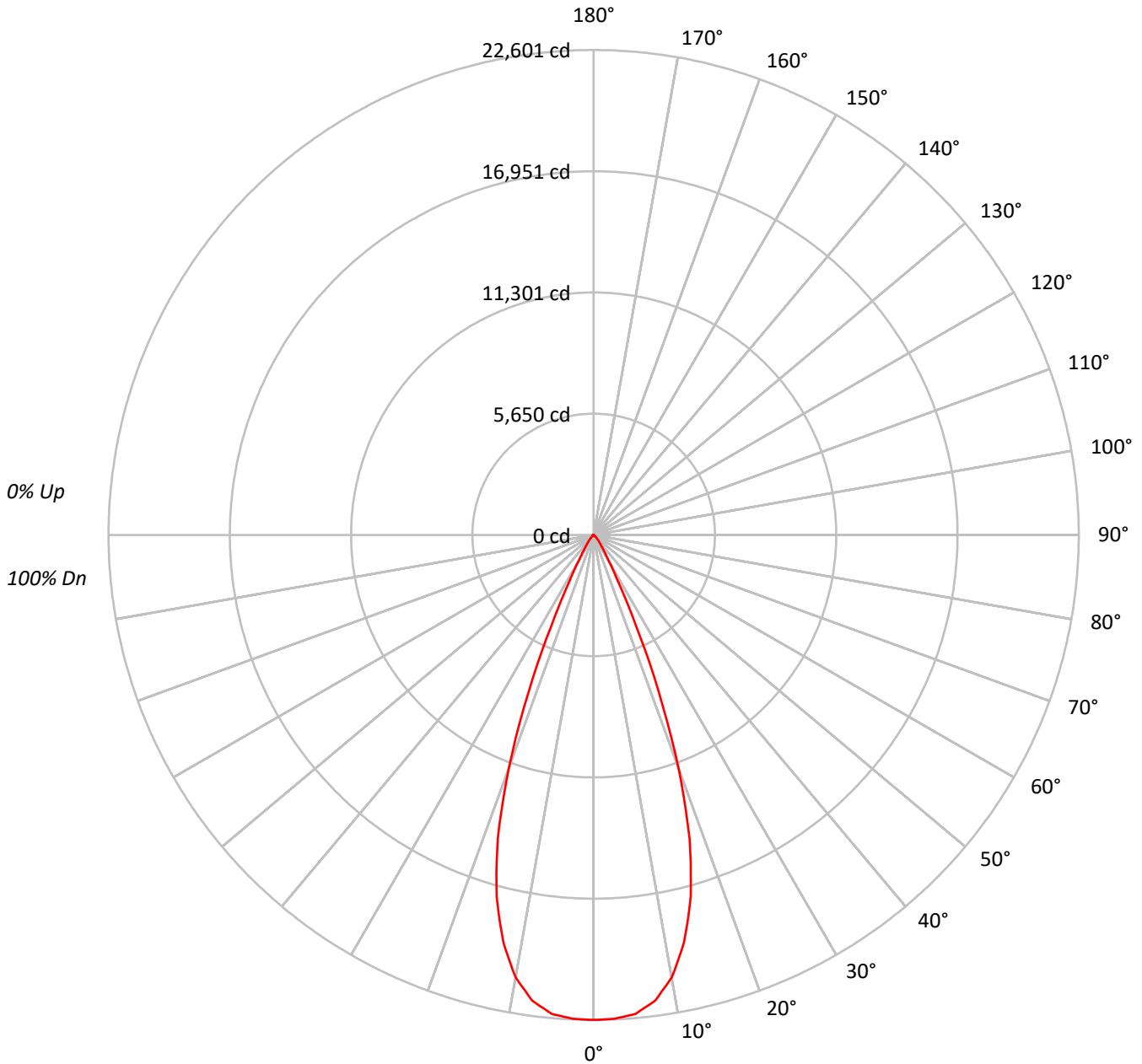
Lumens per Lamp: N/A  
Luminaire Lumens: 9707.3 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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	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	97	96						96													
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92						92													
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88						88													
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84						84													
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81						81													
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77						77													
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74						74													
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72						72													
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69						69													
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67						67													

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

	0°
0°	2469424
5°	2457426
10°	2322805
15°	1974683
20°	1345882
25°	561561
30°	176566
35°	82070
40°	45385
45°	20814
50°	10097
55°	5524
60°	2884
65°	1034
70°	415
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20814 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2092.1	21.6
10°-20°	4687.0	48.3
20°-30°	2346.1	24.2
30°-40°	430.1	4.4
40°-50°	118.7	1.2
50°-60°	27.9	0.3
60°-70°	5.3	0.1
70°-80°	0.2	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°	9125.2	94.0
0°-40°	9555.3	98.4
0°-60°	9701.8	99.9
0°-90°	9707.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9707.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	22601	
5°	22406	###
15°	17457	4687
25°	4658	2346
35°	615	430
45°	135	119
55°	29	28
65°	4	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	22601.2
2.5°	22568.2
5°	22405.8
7.5°	21888.3
10°	20936.3
12.5°	19452.3
15°	17457.3
17.5°	14862.8
20°	11575.2
22.5°	7891.6
25°	4658.1
27.5°	2462.4
30°	1399.5
32.5°	904.4
35°	615.3
37.5°	439.7
40°	318.2
42.5°	217.9
45°	134.7
47.5°	85.8
50°	59.4
52.5°	42.3
55°	29.0
57.5°	18.5
60°	13.2
62.5°	7.9
65°	4.0
67.5°	2.6
70°	1.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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)