

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: P773661

Luminaire Tested: LD6D90BD010-EU6DR4570959030-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773661  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR4570959030-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

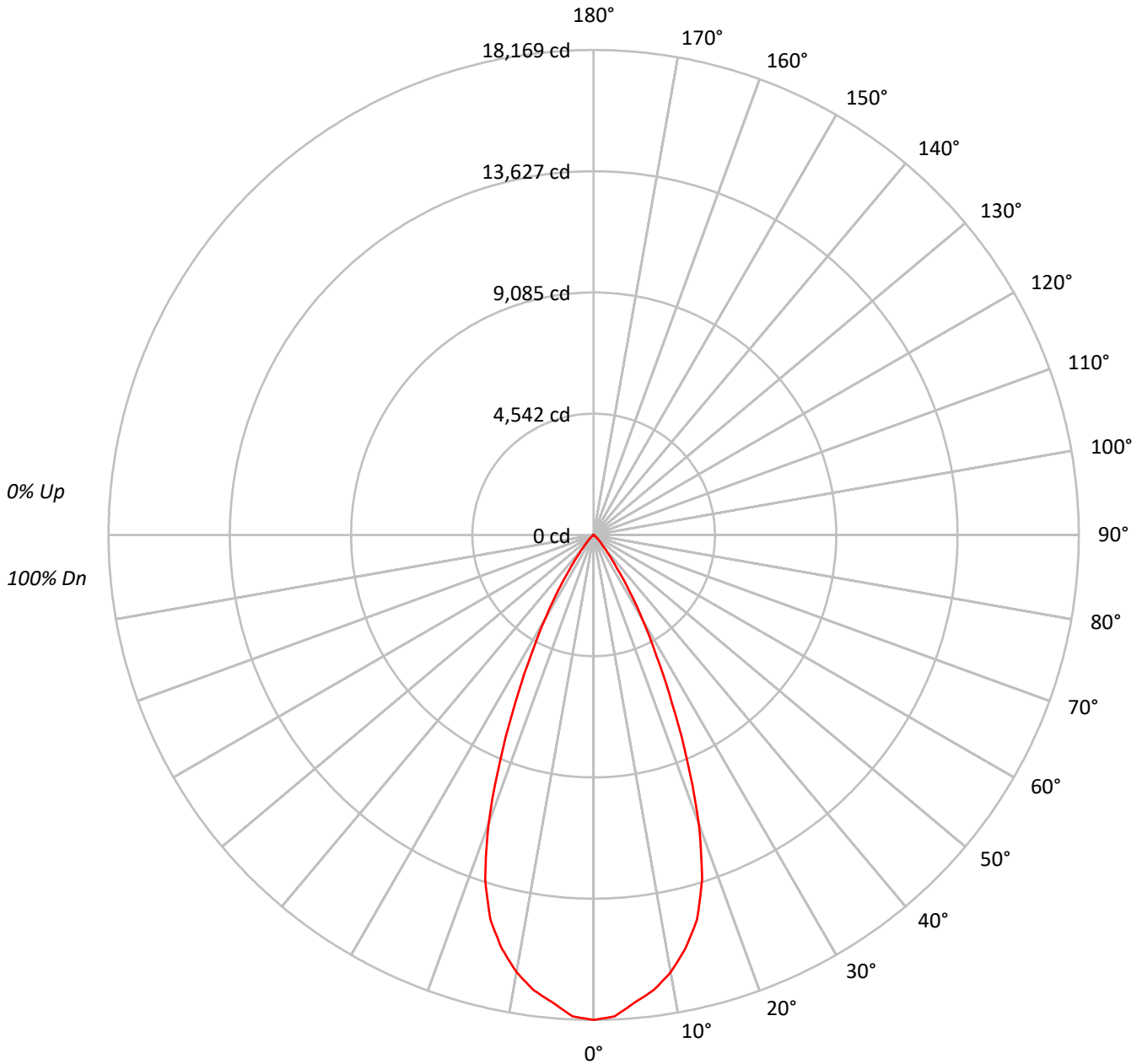
Lumens per Lamp: N/A  
Luminaire Lumens: 10279.6 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 98.9  
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95																
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90																
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85																
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81																
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77																
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73																
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69																
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66																
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63																
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60																

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

	0°
0°	1985202
5°	1928679
10°	1845225
15°	1688763
20°	1339777
25°	836441
30°	461026
35°	207010
40°	81527
45°	38429
50°	18222
55°	9525
60°	4676
65°	1112
70°	447
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 38429 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1652.3	16.1
10°-20°	4066.4	39.6
20°-30°	3220.2	31.3
30°-40°	1072.4	10.4
40°-50°	212.8	2.1
50°-60°	48.3	0.5
60°-70°	6.9	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°	8938.9	87.0
0°-40°	10011.3	97.4
0°-60°	10272.4	99.9
0°-90°	10279.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10279.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18169	
5°	17585	###
15°	14930	4066
25°	6938	3220
35°	1552	1072
45°	249	213
55°	50	48
65°	4	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	18169.4
2.5°	18050.8
5°	17584.9
7.5°	17200.5
10°	16631.7
12.5°	15874.3
15°	14929.6
17.5°	13509.1
20°	11522.7
22.5°	9156.1
25°	6938.2
27.5°	5080.4
30°	3654.2
32.5°	2485.2
35°	1552.0
37.5°	920.3
40°	571.6
42.5°	375.8
45°	248.7
47.5°	160.1
50°	107.2
52.5°	71.5
55°	50.0
57.5°	32.9
60°	21.4
62.5°	11.4
65°	4.3
67.5°	1.4
70°	1.4
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)