

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: P773895

Luminaire Tested: LD6D90BD010-EU6DR6070959030-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773895  
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: LD6D90BD010-EU6DR6070959030-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

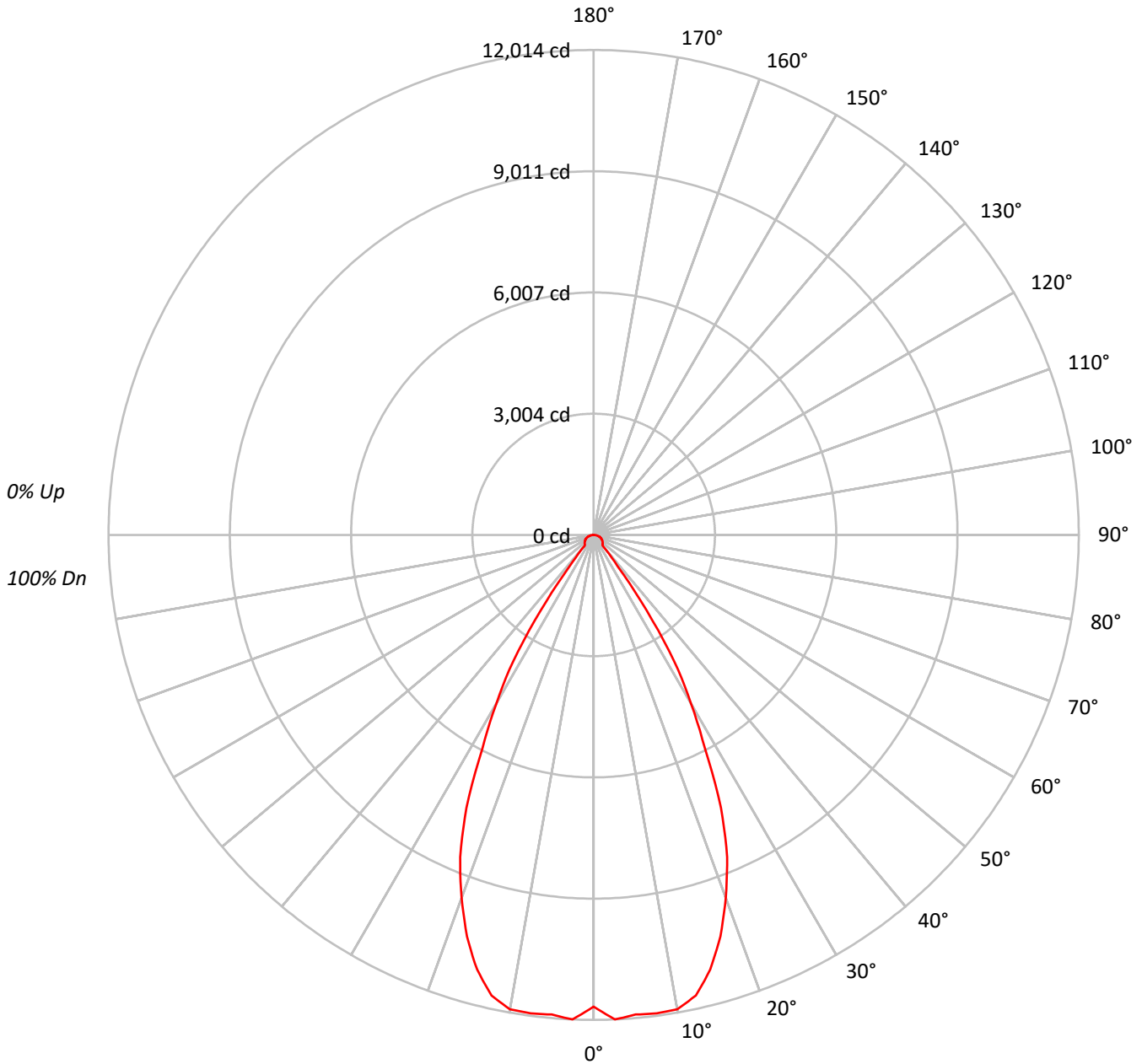
Lumens per Lamp: N/A  
Luminaire Lumens: 9839.8 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	1276821
5°	1308230
10°	1324022
15°	1261312
20°	1112092
25°	899492
30°	608423
35°	304886
40°	49450
45°	48411
50°	49379
55°	50118
60°	51506
65°	52689
70°	53924
75°	54584
80°	52602
85°	43877

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 54584 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1140.0	11.6
10°-20°	3084.3	31.3
20°-30°	3318.5	33.7
30°-40°	1442.5	14.7
40°-50°	242.3	2.5
50°-60°	235.6	2.4
60°-70°	201.5	2.0
70°-80°	134.8	1.4
80°-90°	40.3	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°	7542.8	76.7
0°-40°	8985.3	91.3
0°-60°	9463.2	96.2
0°-90°	9839.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9839.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11686	
5°	11928	###
15°	11151	3084
25°	7461	3319
35°	2286	1442
45°	313	242
55°	263	236
65°	204	201
75°	129	135
85°	35	40
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11686.0
2.5°	12014.5
5°	11927.9
7.5°	11955.2
10°	11933.9
12.5°	11687.6
15°	11150.7
17.5°	10429.8
20°	9564.5
22.5°	8638.3
25°	7461.2
27.5°	5967.7
30°	4822.5
32.5°	3716.9
35°	2285.8
37.5°	977.9
40°	346.7
42.5°	319.4
45°	313.3
47.5°	302.6
50°	290.5
52.5°	276.8
55°	263.1
57.5°	249.4
60°	235.7
62.5°	220.5
65°	203.8
67.5°	187.1
70°	168.8
72.5°	149.0
75°	129.3
77.5°	106.5
80°	83.6
82.5°	59.3
85°	35.0
87.5°	12.2
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)