

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: P773974

Luminaire Tested: LD6D90BD010-EU6DR6570959035-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773974  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR6570959035-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

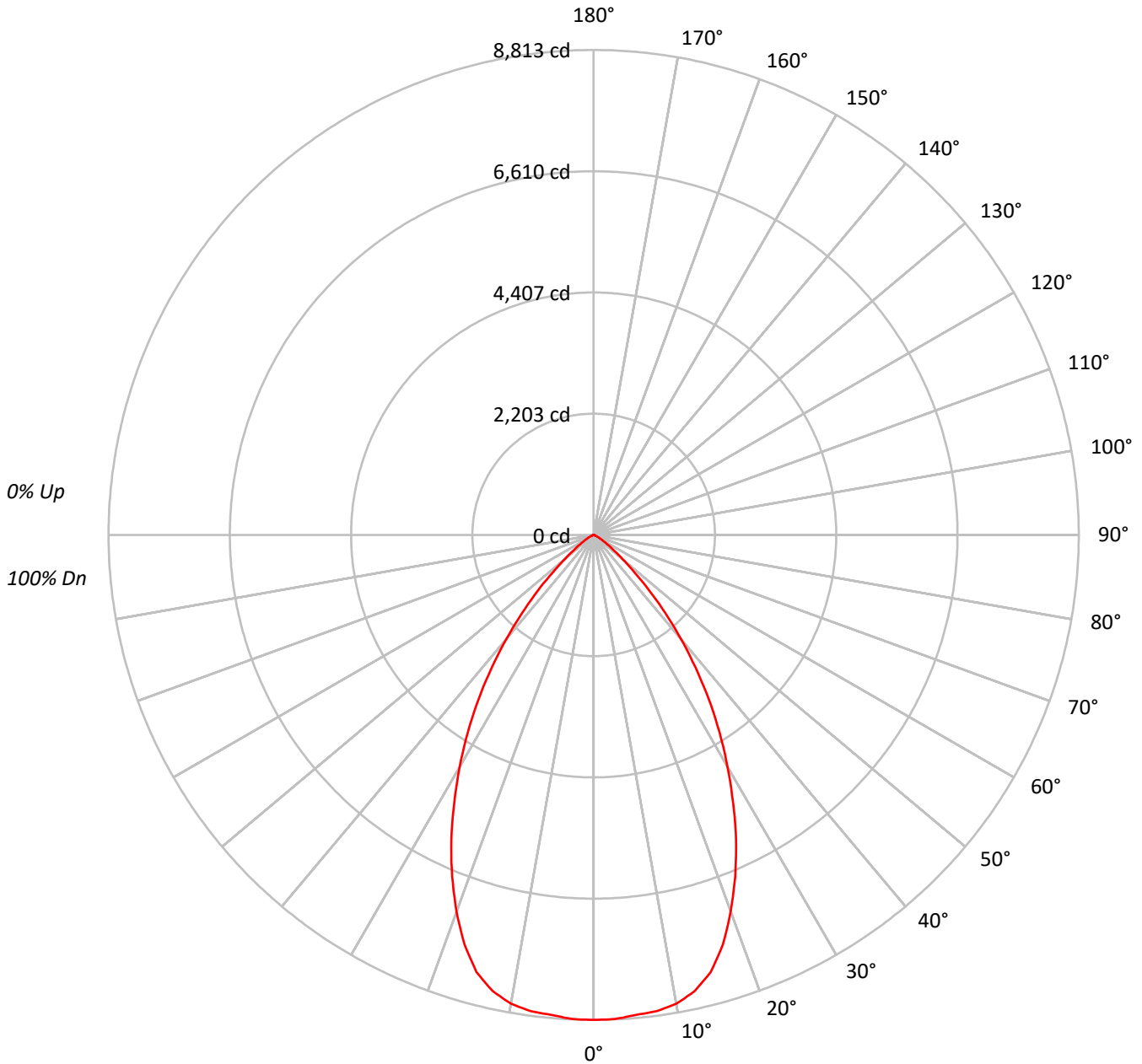
Lumens per Lamp: N/A  
Luminaire Lumens: 9706.6 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P773974  
CATALOG NUMBER: LD6D90BD010-EU6DR6570959035-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P773974

CATALOG NUMBER: LD6D90BD010-EU6DR6570959035-6LBCSSQMB

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

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

	0°
0°	514731
5°	513431
10°	512993
15°	497178
20°	452623
25°	394434
30°	328057
35°	259938
40°	187606
45°	118525
50°	61776
55°	32838
60°	17241
65°	9480
70°	3979
75°	4378
80°	3061
85°	2613

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 118525 cd/sqm



TEST NUMBER: P773974

CATALOG NUMBER: LD6D90BD010-EU6DR6570959035-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	833.5	8.6
10°-20°	2282.3	23.5
20°-30°	2789.8	28.7
30°-40°	2263.6	23.3
40°-50°	1128.0	11.6
50°-60°	314.6	3.2
60°-70°	71.5	0.7
70°-80°	18.6	0.2
80°-90°	4.8	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°	5905.6	60.8
0°-40°	8169.2	84.2
0°-60°	9611.7	99.0
0°-90°	9706.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9706.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8813	
5°	8758	833
15°	8223	2282
25°	6121	2790
35°	3646	2264
45°	1435	1128
55°	322	315
65°	69	71
75°	19	19
85°	4	5
90°	0	



TEST NUMBER: P773974

CATALOG NUMBER: LD6D90BD010-EU6DR6570959035-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8813.3
2.5°	8806.8
5°	8757.6
7.5°	8729.1
10°	8650.1
12.5°	8489.5
15°	8222.7
17.5°	7805.7
20°	7282.5
22.5°	6717.8
25°	6120.8
27.5°	5482.3
30°	4864.5
32.5°	4254.5
35°	3645.8
37.5°	3038.4
40°	2460.7
42.5°	1919.4
45°	1435.0
47.5°	999.8
50°	679.9
52.5°	468.8
55°	322.5
57.5°	217.6
60°	147.6
62.5°	102.3
65°	68.6
67.5°	35.0
70°	23.3
72.5°	22.0
75°	19.4
77.5°	13.0
80°	9.1
82.5°	6.5
85°	3.9
87.5°	2.6
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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)