

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: P774024

Luminaire Tested: LD6D90BD010-EU6DR7070959024-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR7070959024-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5832.1 lumens  
Efficiency: N/A  
Efficacy: 59.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

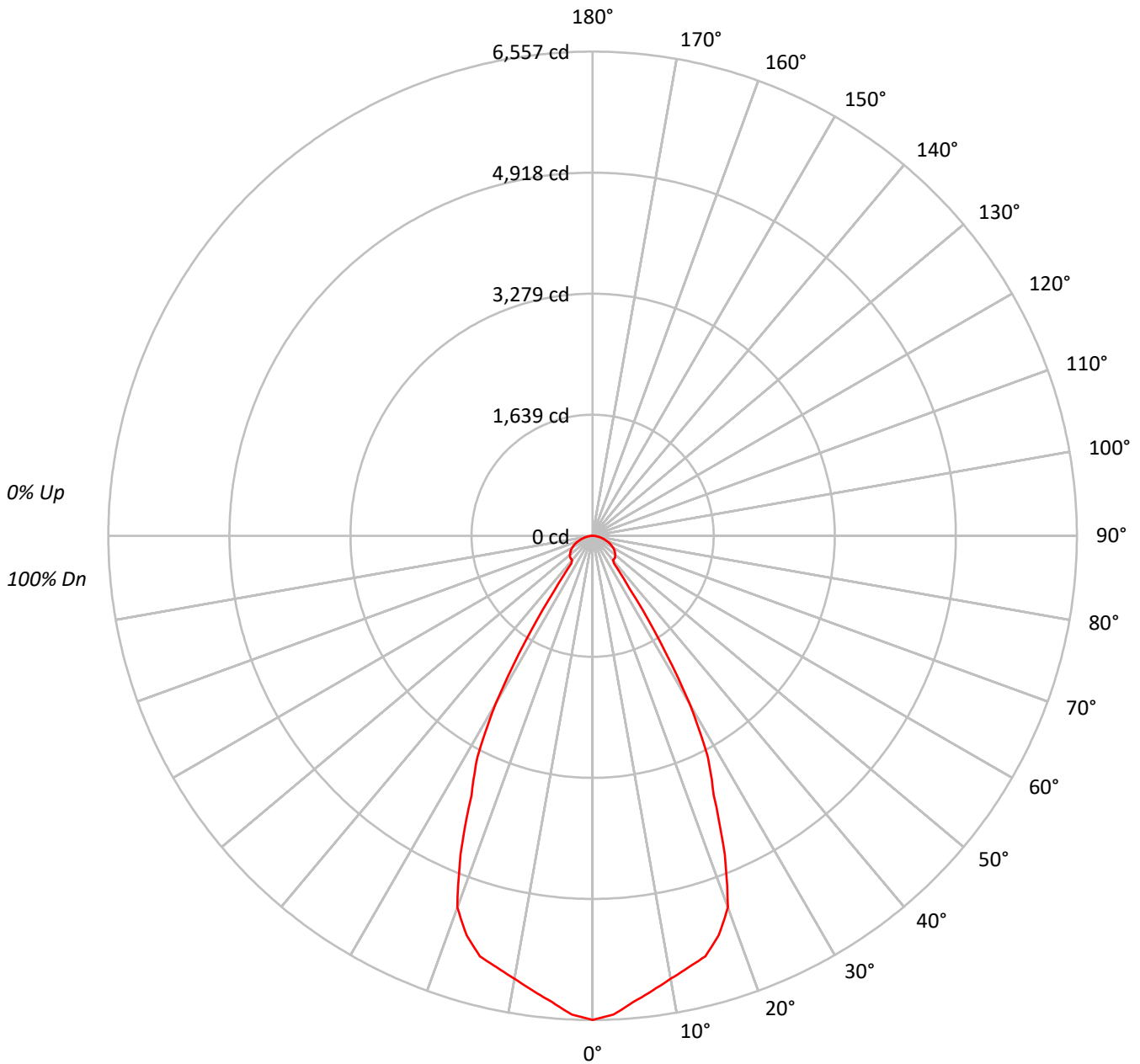
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P774024

CATALOG NUMBER: LD6D90BD010-EU6DR7070959024-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P774024

CATALOG NUMBER: LD6D90BD010-EU6DR7070959024-6LBSQW1B

**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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

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

	0°
0°	716412
5°	695118
10°	675752
15°	666881
20°	622734
25°	467829
30°	330712
35°	117150
40°	61602
45°	65608
50°	67941
55°	69205
60°	69643
65°	68175
70°	64339
75°	59608
80°	52916
85°	42999

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 69668 cd/sqm



TEST NUMBER: P774024

CATALOG NUMBER: LD6D90BD010-EU6DR7070959024-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	597.8	10.3
10°-20°	1639.7	28.1
20°-30°	1805.9	31.0
30°-40°	690.0	11.8
40°-50°	325.8	5.6
50°-60°	323.9	5.6
60°-70°	259.3	4.4
70°-80°	149.1	2.6
80°-90°	40.5	0.7
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°	4043.5	69.3
0°-40°	4733.5	81.2
0°-60°	5383.2	92.3
0°-90°	5832.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5832.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6557	
5°	6338	598
15°	5896	1640
25°	3881	1806
35°	878	690
45°	425	326
55°	363	324
65°	264	259
75°	141	149
85°	34	41
90°	0	



TEST NUMBER: P774024

CATALOG NUMBER: LD6D90BD010-EU6DR7070959024-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6556.9
2.5°	6488.4
5°	6337.8
7.5°	6212.2
10°	6090.8
12.5°	5988.0
15°	5895.6
17.5°	5672.4
20°	5355.8
22.5°	4672.7
25°	3880.6
27.5°	3378.1
30°	2621.3
32.5°	1693.2
35°	878.3
37.5°	474.4
40°	431.9
42.5°	428.8
45°	424.6
47.5°	415.3
50°	399.7
52.5°	382.0
55°	363.3
57.5°	342.6
60°	318.7
62.5°	291.7
65°	263.7
67.5°	232.5
70°	201.4
72.5°	170.3
75°	141.2
77.5°	111.1
80°	84.1
82.5°	59.2
85°	34.3
87.5°	13.5
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)