

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: P773521

Luminaire Tested: LD6D90BD010-EU6DR3570959040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR3570959040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10792.4 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

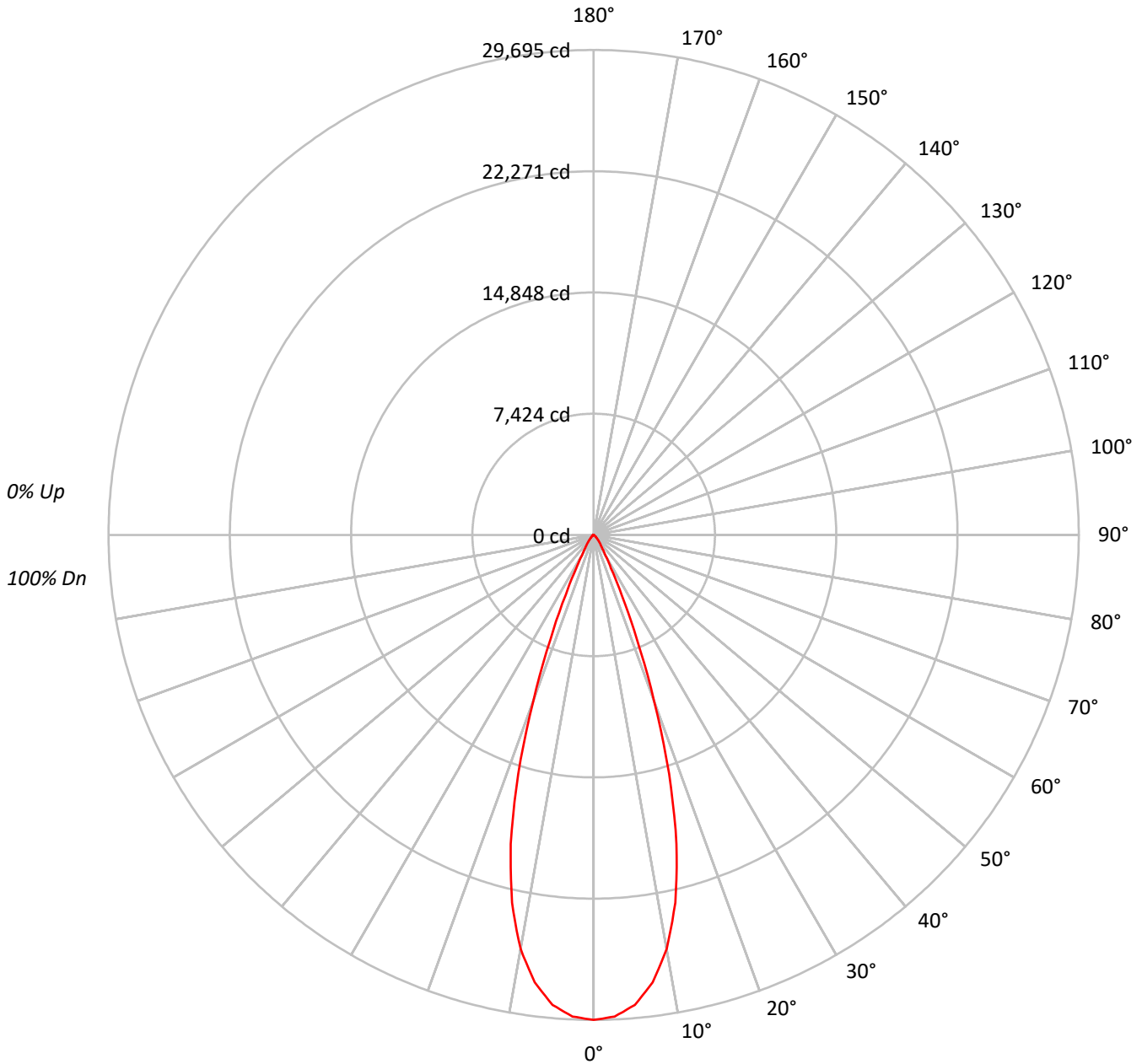
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P773521

CATALOG NUMBER: LD6D90BD010-EU6DR3570959040-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P773521

CATALOG NUMBER: LD6D90BD010-EU6DR3570959040-6LBCSSQMW

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			96																
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92																
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88			88																
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			84																
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			81																
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			78																
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75			75																
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			72																
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			70																
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68			68																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3244542
5°	3168305
10°	2855480
15°	2216309
20°	1257061
25°	489059
30°	182445
35°	100010
40°	65367
45°	39788
50°	25327
55°	17887
60°	13089
65°	7110
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39788 cd/sqm



TEST NUMBER: P773521

CATALOG NUMBER: LD6D90BD010-EU6DR3570959040-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2656.8	24.6
10°-20°	5187.2	48.1
20°-30°	2115.5	19.6
30°-40°	506.3	4.7
40°-50°	211.0	2.0
50°-60°	87.3	0.8
60°-70°	27.3	0.3
70°-80°	0.6	0.0
80°-90°	0.4	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°	9959.5	92.3
0°-40°	10465.8	97.0
0°-60°	10764.1	99.7
0°-90°	10792.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10792.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29695	
5°	28887	###
15°	19593	5187
25°	4057	2116
35°	750	506
45°	258	211
55°	94	87
65°	28	27
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P773521

CATALOG NUMBER: LD6D90BD010-EU6DR3570959040-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	29695.4
2.5°	29517.2
5°	28887.3
7.5°	27630.6
10°	25737.5
12.5°	23071.9
15°	19593.4
17.5°	15339.2
20°	10811.3
22.5°	6893.9
25°	4056.7
27.5°	2293.1
30°	1446.1
32.5°	1015.4
35°	749.8
37.5°	579.8
40°	458.3
42.5°	353.0
45°	257.5
47.5°	192.7
50°	149.0
52.5°	118.2
55°	93.9
57.5°	76.1
60°	59.9
62.5°	43.7
65°	27.5
67.5°	9.7
70°	1.6
72.5°	1.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.6
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

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)