

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: P773988

Luminaire Tested: LD6D90BD010-EU6DR6570959040-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773988
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-EU6DR6570959040-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

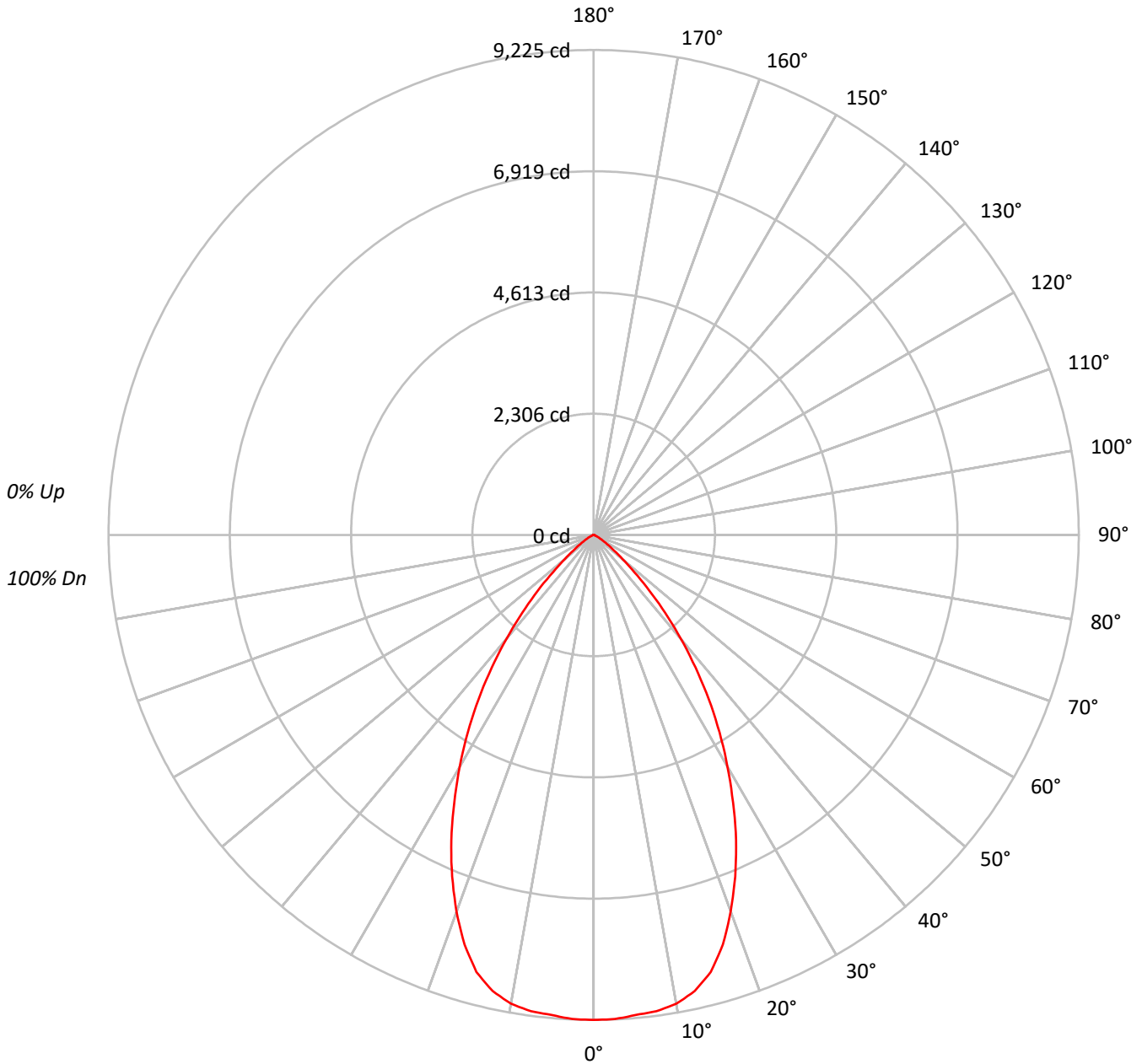
Lumens per Lamp: N/A
Luminaire Lumens: 10160.4 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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: P773988
CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P773988

CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBCSSQMMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	538799
5°	537439
10°	536976
15°	520427
20°	473779
25°	412871
30°	343393
35°	272087
40°	196381
45°	124067
50°	64665
55°	34376
60°	18047
65°	9936
70°	4167
75°	4581
80°	3195
85°	2747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 124067 cd/sqm



TEST NUMBER: P773988

CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	872.4	8.6
10°-20°	2389.0	23.5
20°-30°	2920.2	28.7
30°-40°	2369.4	23.3
40°-50°	1180.7	11.6
50°-60°	329.3	3.2
60°-70°	74.8	0.7
70°-80°	19.5	0.2
80°-90°	5.0	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°	6181.7	60.8
0°-40°	8551.1	84.2
0°-60°	10061.1	99.0
0°-90°	10160.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10160.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9225	
5°	9167	872
15°	8607	2389
25°	6407	2920
35°	3816	2369
45°	1502	1181
55°	338	329
65°	72	75
75°	20	19
85°	4	5
90°	0	



TEST NUMBER: P773988

CATALOG NUMBER: LD6D90BD010-EU6DR6570959040-6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	9225.4
2.5°	9218.6
5°	9167.1
7.5°	9137.2
10°	9054.5
12.5°	8886.4
15°	8607.2
17.5°	8170.6
20°	7622.9
22.5°	7031.9
25°	6406.9
27.5°	5738.6
30°	5091.9
32.5°	4453.4
35°	3816.2
37.5°	3180.4
40°	2575.8
42.5°	2009.1
45°	1502.1
47.5°	1046.6
50°	711.7
52.5°	490.8
55°	337.6
57.5°	227.8
60°	154.5
62.5°	107.1
65°	71.9
67.5°	36.6
70°	24.4
72.5°	23.0
75°	20.3
77.5°	13.6
80°	9.5
82.5°	6.8
85°	4.1
87.5°	2.7
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)