

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: P773557

Luminaire Tested: LD6D90BD010-EU6DR4070959024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR4070959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8851.8 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

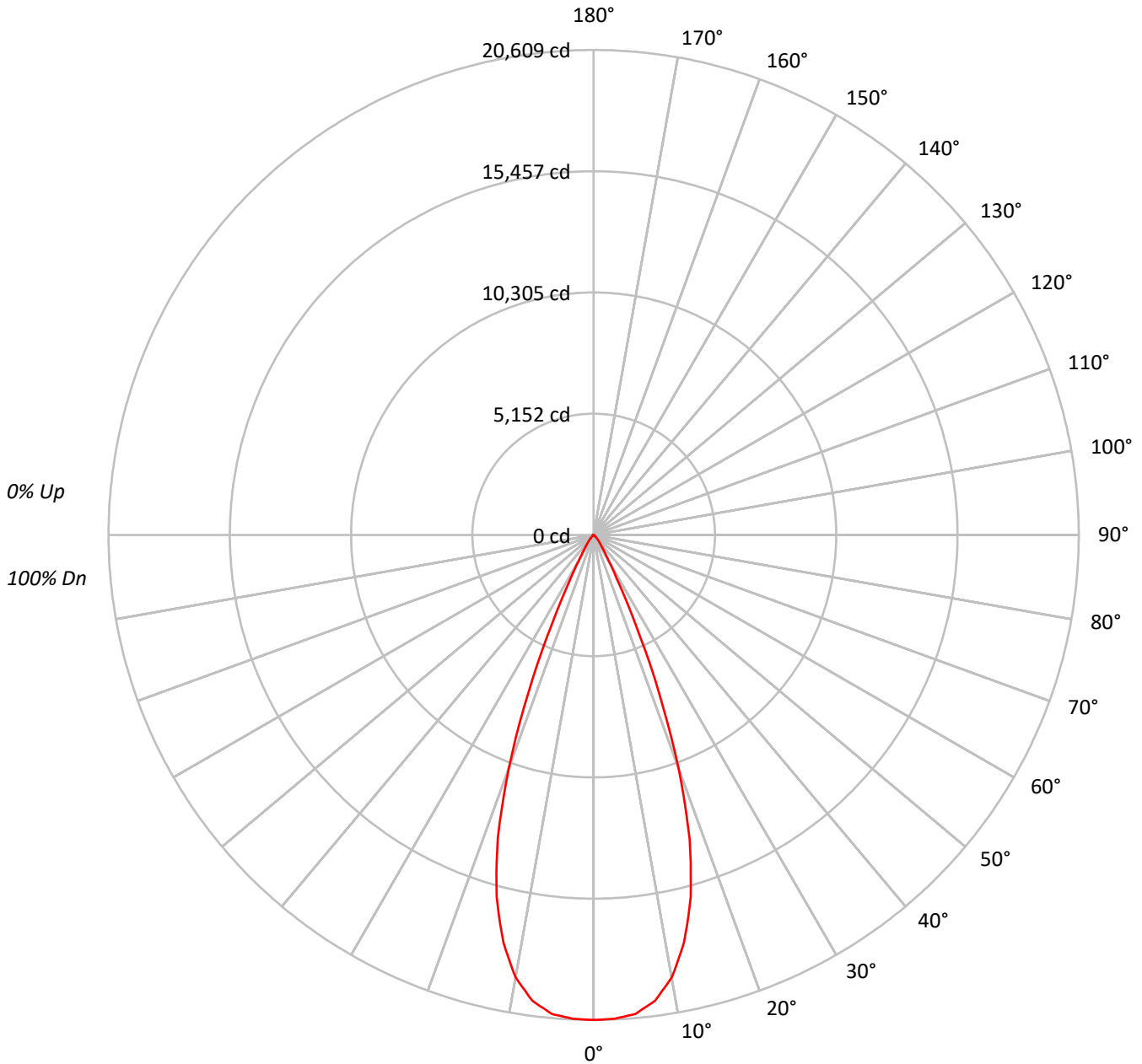
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P773557

CATALOG NUMBER: LD6D90BD010-EU6DR4070959024-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P773557

CATALOG NUMBER: LD6D90BD010-EU6DR4070959024-6LBSQW1MW

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2251788
5°	2240844
10°	2118086
15°	1800645
20°	1227272
25°	512061
30°	161010
35°	74828
40°	41391
45°	18975
50°	9213
55°	5048
60°	2622
65°	931
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18975 cd/sqm



TEST NUMBER: P773557

CATALOG NUMBER: LD6D90BD010-EU6DR4070959024-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1907.7	21.6
10°-20°	4273.9	48.3
20°-30°	2139.4	24.2
30°-40°	392.2	4.4
40°-50°	108.2	1.2
50°-60°	25.4	0.3
60°-70°	4.8	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	8321.0	94.0
0°-40°	8713.1	98.4
0°-60°	8846.8	99.9
0°-90°	8851.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8851.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20609	
5°	20431	###
15°	15919	4274
25°	4248	2139
35°	561	392
45°	123	108
55°	26	25
65°	4	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P773557

CATALOG NUMBER: LD6D90BD010-EU6DR4070959024-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	20609.3
2.5°	20579.2
5°	20431.1
7.5°	19959.1
10°	19091.1
12.5°	17737.8
15°	15918.7
17.5°	13552.9
20°	10555.1
22.5°	7196.0
25°	4247.5
27.5°	2245.4
30°	1276.2
32.5°	824.7
35°	561.0
37.5°	400.9
40°	290.2
42.5°	198.7
45°	122.8
47.5°	78.3
50°	54.2
52.5°	38.5
55°	26.5
57.5°	16.9
60°	12.0
62.5°	7.2
65°	3.6
67.5°	2.4
70°	1.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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)