

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: P774002

Luminaire Tested: LD6D90BD010-EU6DR6570959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774002
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-EU6DR6570959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10424.0 lumens
Efficiency: N/A
Efficacy: 105.4 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

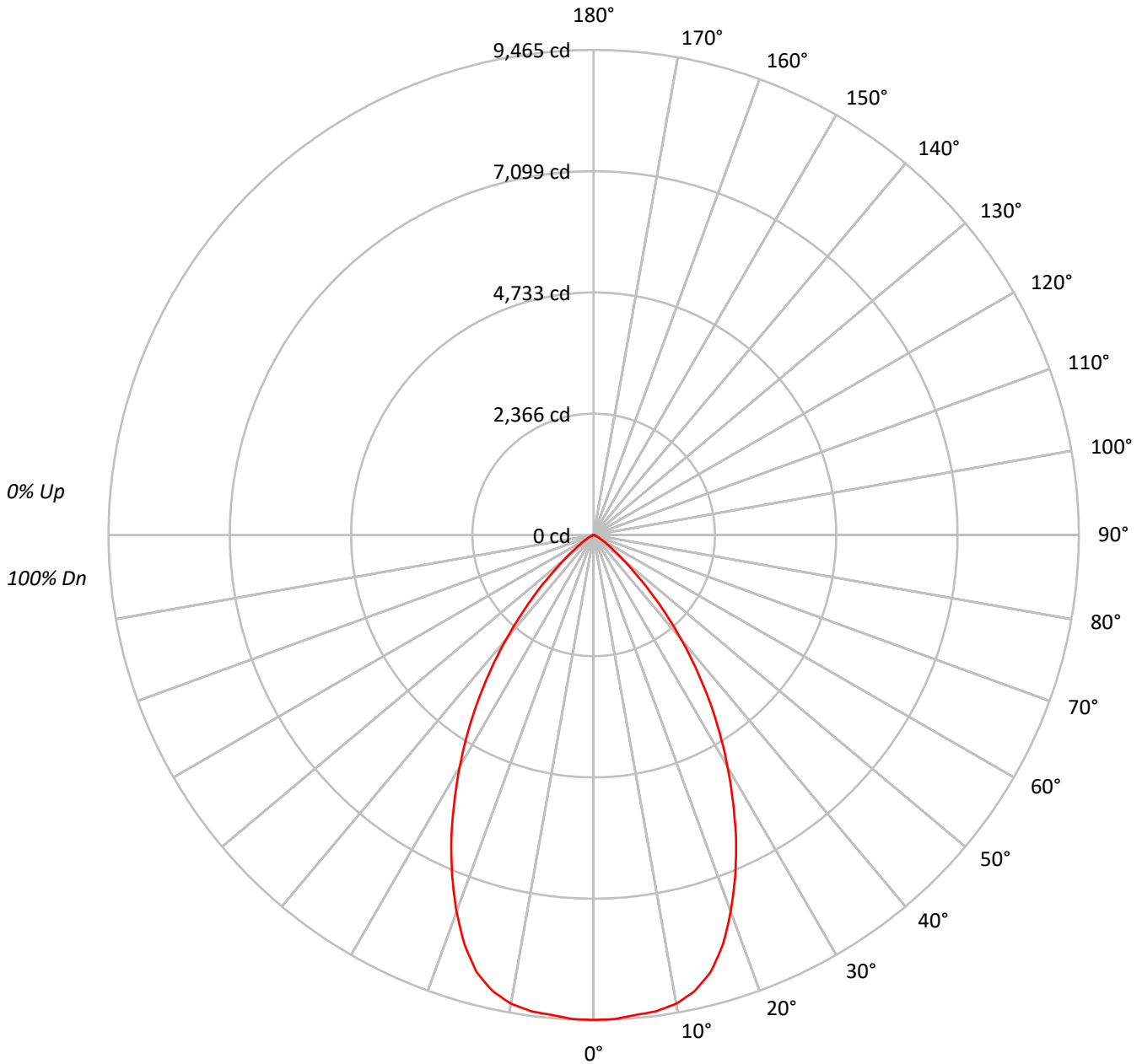
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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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																			
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°	552775
5°	551375
10°	550906
15°	533923
20°	486073
25°	423581
30°	352301
35°	279146
40°	201474
45°	127280
50°	66346
55°	35262
60°	18526
65°	10185
70°	4269
75°	4716
80°	3262
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 127280 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	895.1	8.6
10°-20°	2451.0	23.5
20°-30°	2996.0	28.7
30°-40°	2430.8	23.3
40°-50°	1211.3	11.6
50°-60°	337.9	3.2
60°-70°	76.8	0.7
70°-80°	20.0	0.2
80°-90°	5.1	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°	6342.0	60.8
0°-40°	8772.9	84.2
0°-60°	10322.1	99.0
0°-90°	10424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10424.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9465	
5°	9405	895
15°	8830	2451
25°	6573	2996
35°	3915	2431
45°	1541	1211
55°	346	338
65°	74	77
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9464.7
2.5°	9457.7
5°	9404.8
7.5°	9374.2
10°	9289.4
12.5°	9116.9
15°	8830.4
17.5°	8382.6
20°	7820.7
22.5°	7214.3
25°	6573.1
27.5°	5887.4
30°	5224.0
32.5°	4568.9
35°	3915.2
37.5°	3262.9
40°	2642.6
42.5°	2061.2
45°	1541.0
47.5°	1073.7
50°	730.2
52.5°	503.5
55°	346.3
57.5°	233.7
60°	158.6
62.5°	109.9
65°	73.7
67.5°	37.6
70°	25.0
72.5°	23.6
75°	20.9
77.5°	13.9
80°	9.7
82.5°	7.0
85°	4.2
87.5°	2.8
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

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— 0°-180°

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