

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: P774051

Luminaire Tested: LD6D90BD010-EU6DR7070959030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774051
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-EU6DR7070959030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9064.5 lumens
Efficiency: N/A
Efficacy: 91.7 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

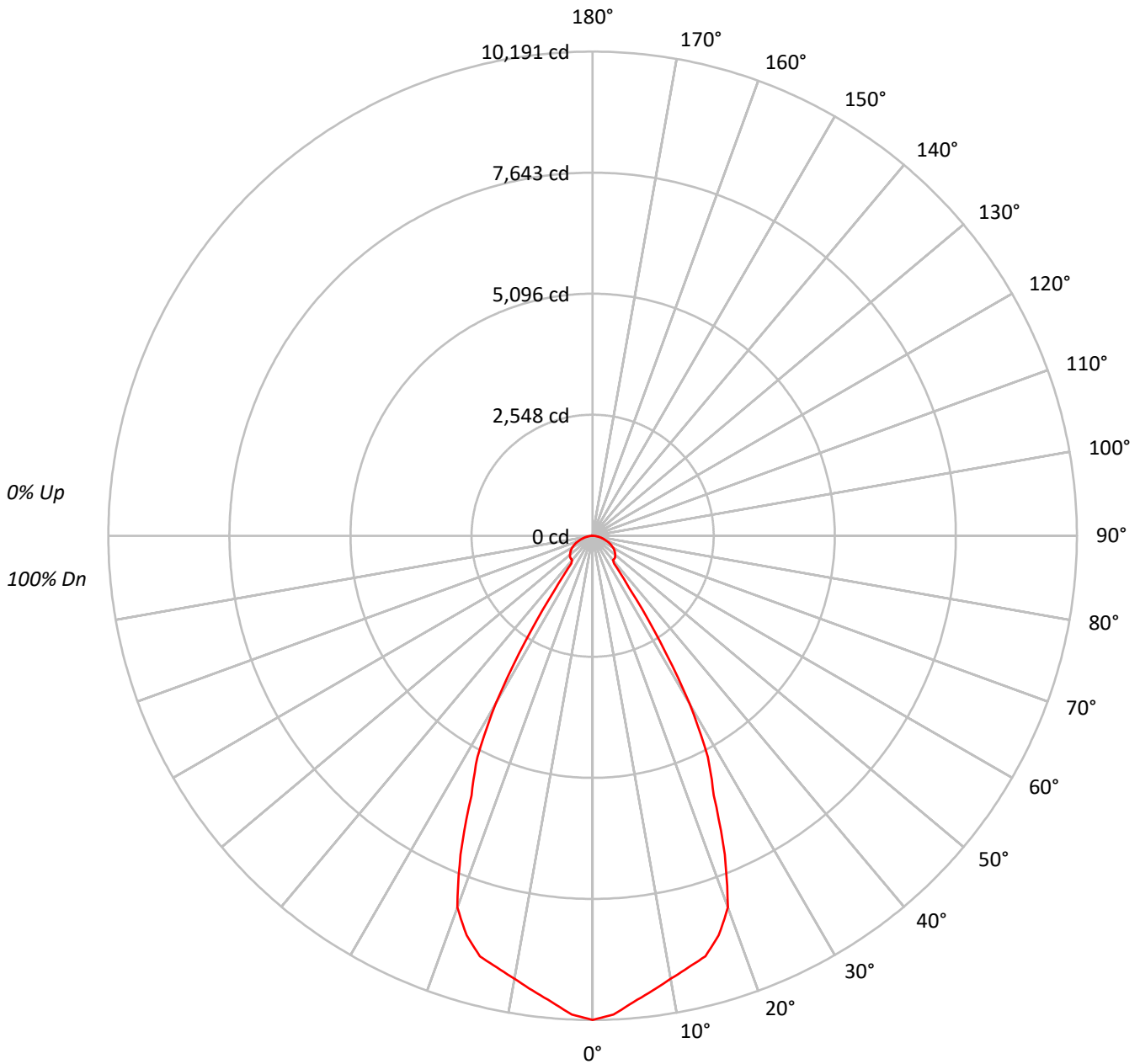
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1113498
5°	1080406
10°	1050295
15°	1036507
20°	967890
25°	727121
30°	514015
35°	182081
40°	95733
45°	101966
50°	105591
55°	107570
60°	108256
65°	105947
70°	99990
75°	92620
80°	82237
85°	66693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 108285 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	929.1	10.3
10°-20°	2548.6	28.1
20°-30°	2806.9	31.0
30°-40°	1072.4	11.8
40°-50°	506.4	5.6
50°-60°	503.4	5.6
60°-70°	403.0	4.4
70°-80°	231.6	2.6
80°-90°	63.0	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°	6284.6	69.3
0°-40°	7357.0	81.2
0°-60°	8366.8	92.3
0°-90°	9064.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9064.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10191	
5°	9851	929
15°	9163	2549
25°	6031	2807
35°	1365	1072
45°	660	506
55°	565	503
65°	410	403
75°	219	232
85°	53	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10191.2
2.5°	10084.7
5°	9850.7
7.5°	9655.5
10°	9466.7
12.5°	9306.9
15°	9163.3
17.5°	8816.4
20°	8324.3
22.5°	7262.6
25°	6031.4
27.5°	5250.5
30°	4074.2
32.5°	2631.7
35°	1365.1
37.5°	737.4
40°	671.2
42.5°	666.4
45°	659.9
47.5°	645.4
50°	621.2
52.5°	593.8
55°	564.7
57.5°	532.5
60°	495.4
62.5°	453.4
65°	409.8
67.5°	361.4
70°	313.0
72.5°	264.6
75°	219.4
77.5°	172.6
80°	130.7
82.5°	92.0
85°	53.2
87.5°	21.0
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

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— 0°-180°

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