

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P774090

Luminaire Tested: LD6D90BD010-EU6DR7070959050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774090
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-EU6DR7070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9656.7 lumens
Efficiency: N/A
Efficacy: 97.6 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

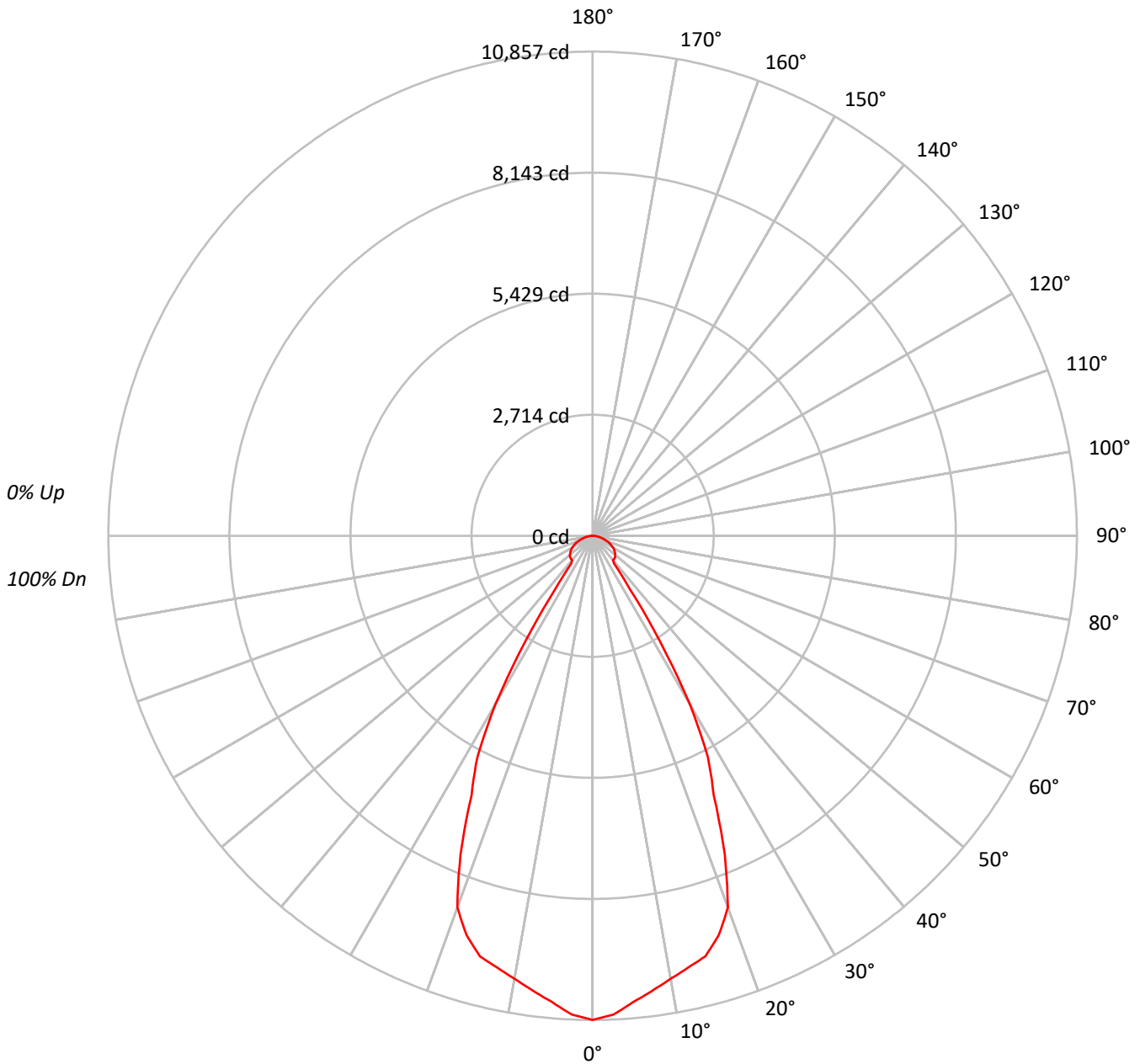
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1186244
5°	1150995
10°	1118915
15°	1104229
20°	1031119
25°	774632
30°	547600
35°	193965
40°	101995
45°	108642
50°	112492
55°	114599
60°	115314
65°	112875
70°	106539
75°	98699
80°	87586
85°	71081

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 115361 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	989.8	10.3
10°-20°	2715.1	28.1
20°-30°	2990.3	31.0
30°-40°	1142.5	11.8
40°-50°	539.5	5.6
50°-60°	536.3	5.6
60°-70°	429.4	4.4
70°-80°	246.8	2.6
80°-90°	67.1	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°	6695.2	69.3
0°-40°	7837.7	81.2
0°-60°	8913.5	92.3
0°-90°	9656.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9656.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10857	
5°	10494	990
15°	9762	2715
25°	6426	2990
35°	1454	1143
45°	703	539
55°	602	536
65°	437	429
75°	234	247
85°	57	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10857.0
2.5°	10743.5
5°	10494.3
7.5°	10286.3
10°	10085.2
12.5°	9915.0
15°	9762.0
17.5°	9392.4
20°	8868.1
22.5°	7737.1
25°	6425.5
27.5°	5593.5
30°	4340.4
32.5°	2803.6
35°	1454.2
37.5°	785.6
40°	715.1
42.5°	709.9
45°	703.1
47.5°	687.6
50°	661.8
52.5°	632.6
55°	601.6
57.5°	567.3
60°	527.7
62.5°	483.0
65°	436.6
67.5°	385.0
70°	333.5
72.5°	281.9
75°	233.8
77.5°	183.9
80°	139.2
82.5°	98.0
85°	56.7
87.5°	22.3
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)