

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: P774805

Luminaire Tested: LD6D95BD010-EU6DR7070959024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774805
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: LD6D95BD010-EU6DR7070959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7955.7 lumens
Efficiency: N/A
Efficacy: 80.2 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

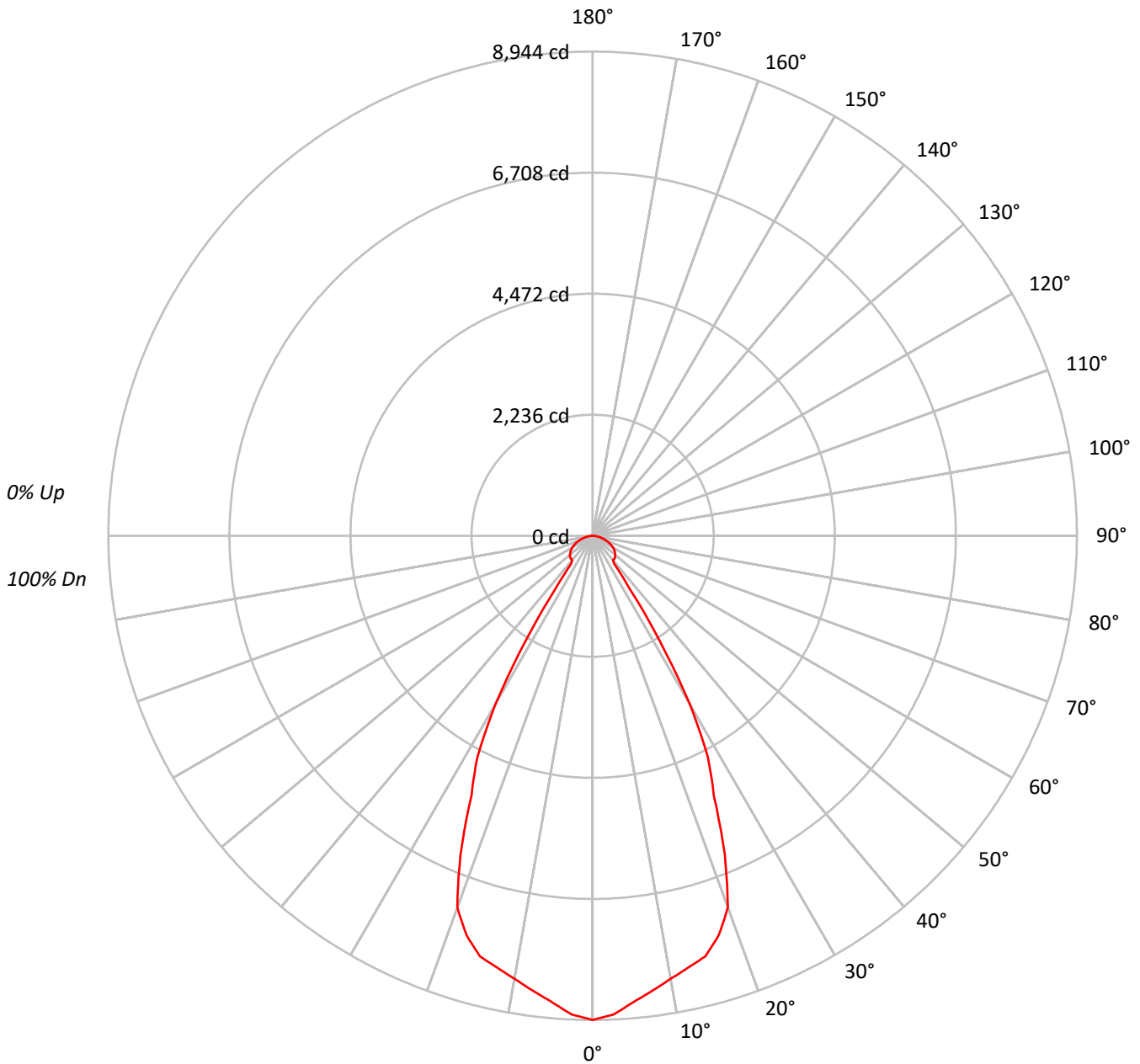
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	977283
5°	948244
10°	921819
15°	909717
20°	849490
25°	638175
30°	451135
35°	159806
40°	84023
45°	89497
50°	92673
55°	94426
60°	95013
65°	92994
70°	87755
75°	81306
80°	72170
85°	58544

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 95026 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	815.5	10.3
10°-20°	2236.8	28.1
20°-30°	2463.5	31.0
30°-40°	941.3	11.8
40°-50°	444.4	5.6
50°-60°	441.9	5.6
60°-70°	353.7	4.4
70°-80°	203.3	2.6
80°-90°	55.3	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°	5515.8	69.3
0°-40°	6457.1	81.2
0°-60°	7343.4	92.3
0°-90°	7955.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7955.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8944	
5°	8646	815
15°	8042	2237
25°	5294	2464
35°	1198	941
45°	579	444
55°	496	442
65°	360	354
75°	193	203
85°	47	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8944.5
2.5°	8851.1
5°	8645.7
7.5°	8474.4
10°	8308.7
12.5°	8168.5
15°	8042.4
17.5°	7738.0
20°	7306.0
22.5°	6374.2
25°	5293.6
27.5°	4608.2
30°	3575.8
32.5°	2309.8
35°	1198.1
37.5°	647.2
40°	589.1
42.5°	584.9
45°	579.2
47.5°	566.5
50°	545.2
52.5°	521.2
55°	495.7
57.5°	467.3
60°	434.8
62.5°	397.9
65°	359.7
67.5°	317.2
70°	274.7
72.5°	232.3
75°	192.6
77.5°	151.5
80°	114.7
82.5°	80.7
85°	46.7
87.5°	18.4
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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