

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: P774818

Luminaire Tested: LD6D95BD010-EU6DR7070959027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774818
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-EU6DR7070959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

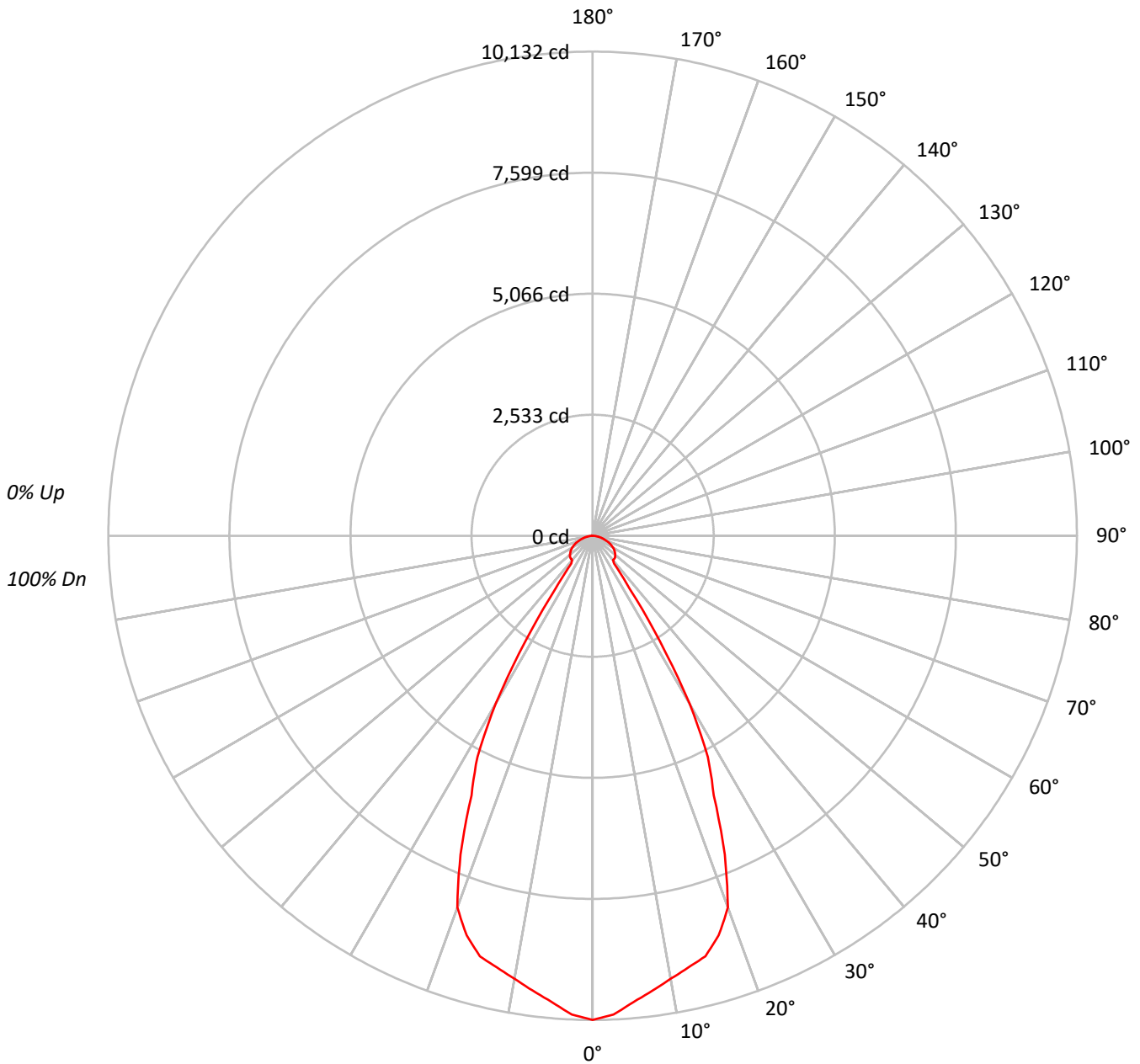
Lumens per Lamp: N/A
Luminaire Lumens: 9012.1 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	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°	1107052
5°	1074155
10°	1044215
15°	1030512
20°	962286
25°	722913
30°	511038
35°	181027
40°	95191
45°	101379
50°	104979
55°	106960
60°	107622
65°	105352
70°	99415
75°	92113
80°	81734
85°	66317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 107654 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.8	10.3
10°-20°	2533.8	28.1
20°-30°	2790.6	31.0
30°-40°	1066.2	11.8
40°-50°	503.4	5.6
50°-60°	500.5	5.6
60°-70°	400.7	4.4
70°-80°	230.3	2.6
80°-90°	62.6	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°	6248.2	69.3
0°-40°	7314.5	81.2
0°-60°	8318.4	92.3
0°-90°	9012.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9012.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10132	
5°	9794	924
15°	9110	2534
25°	5996	2791
35°	1357	1066
45°	656	503
55°	562	501
65°	408	401
75°	218	230
85°	53	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10132.2
2.5°	10026.3
5°	9793.7
7.5°	9599.6
10°	9411.9
12.5°	9253.1
15°	9110.3
17.5°	8765.4
20°	8276.1
22.5°	7220.5
25°	5996.5
27.5°	5220.1
30°	4050.6
32.5°	2616.5
35°	1357.2
37.5°	733.1
40°	667.4
42.5°	662.5
45°	656.1
47.5°	641.7
50°	617.6
52.5°	590.3
55°	561.5
57.5°	529.4
60°	492.5
62.5°	450.8
65°	407.5
67.5°	359.3
70°	311.2
72.5°	263.1
75°	218.2
77.5°	171.7
80°	129.9
82.5°	91.4
85°	52.9
87.5°	20.9
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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