

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: P774870

Luminaire Tested: LD6D95BD010-EU6DR7070959050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774870
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-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

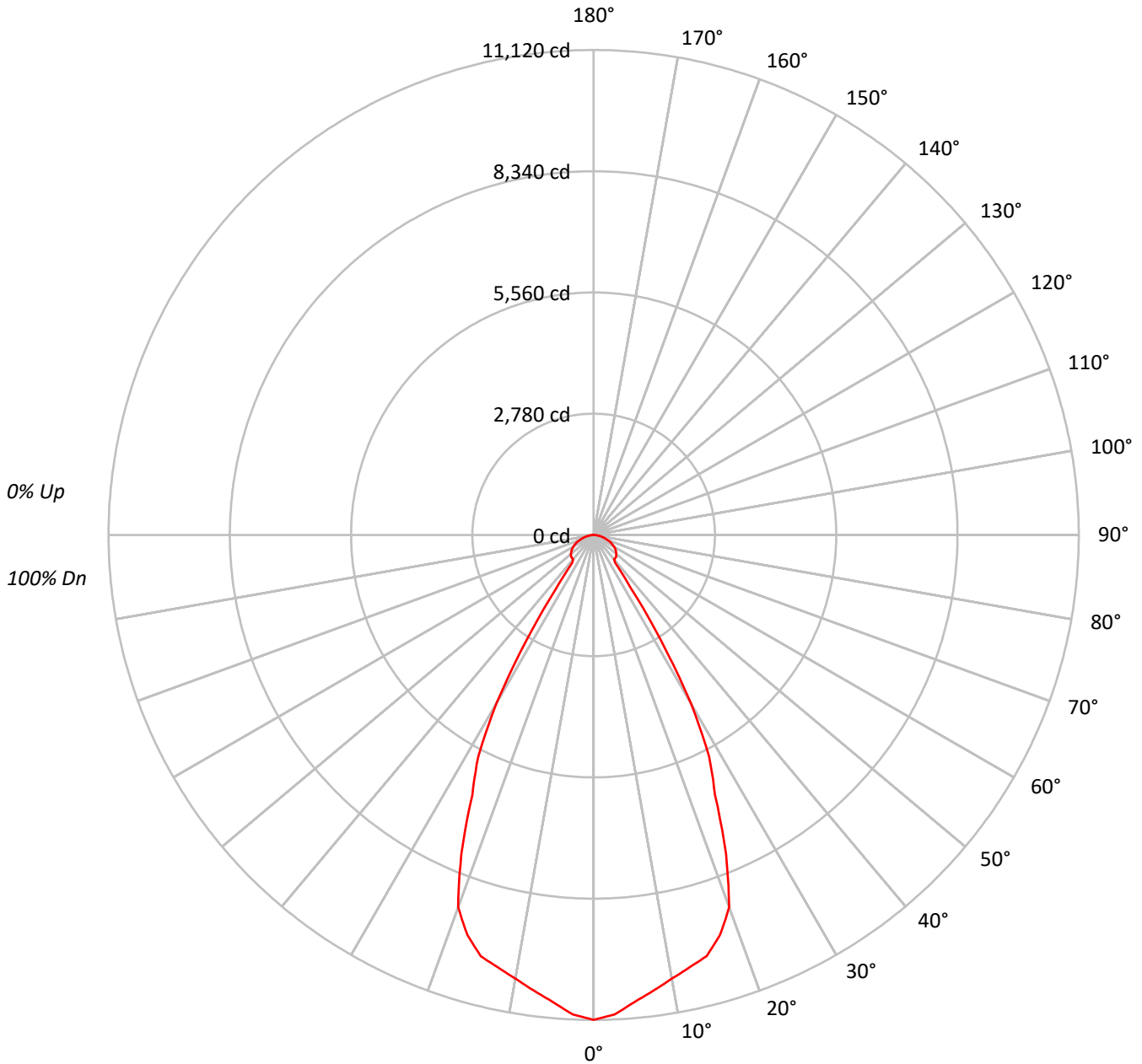
Lumens per Lamp: N/A
Luminaire Lumens: 9891.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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									
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°	1215023
5°	1178919
10°	1146053
15°	1131015
20°	1056141
25°	793427
30°	560885
35°	198674
40°	104462
45°	111268
50°	115229
55°	117380
60°	118111
65°	115616
70°	109127
75°	101105
80°	89725
85°	72836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 118147 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1013.8	10.3
10°-20°	2780.9	28.1
20°-30°	3062.8	31.0
30°-40°	1170.2	11.8
40°-50°	552.6	5.6
50°-60°	549.3	5.6
60°-70°	439.8	4.4
70°-80°	252.8	2.6
80°-90°	68.7	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°	6857.6	69.3
0°-40°	8027.8	81.2
0°-60°	9129.7	92.3
0°-90°	9891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11120	
5°	10749	###
15°	9999	2781
25°	6581	3063
35°	1490	1170
45°	720	553
55°	616	549
65°	447	440
75°	240	253
85°	58	69
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11120.4
2.5°	11004.2
5°	10748.9
7.5°	10535.8
10°	10329.8
12.5°	10155.5
15°	9998.8
17.5°	9620.3
20°	9083.3
22.5°	7924.8
25°	6581.4
27.5°	5729.2
30°	4445.7
32.5°	2871.6
35°	1489.5
37.5°	804.6
40°	732.4
42.5°	727.2
45°	720.1
47.5°	704.3
50°	677.9
52.5°	647.9
55°	616.2
57.5°	581.0
60°	540.5
62.5°	494.7
65°	447.2
67.5°	394.4
70°	341.6
72.5°	288.7
75°	239.5
77.5°	188.4
80°	142.6
82.5°	100.4
85°	58.1
87.5°	22.9
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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