

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: P772429

Luminaire Tested: LD6D80BD010-EU6DR6570959040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6570959040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9164.4 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

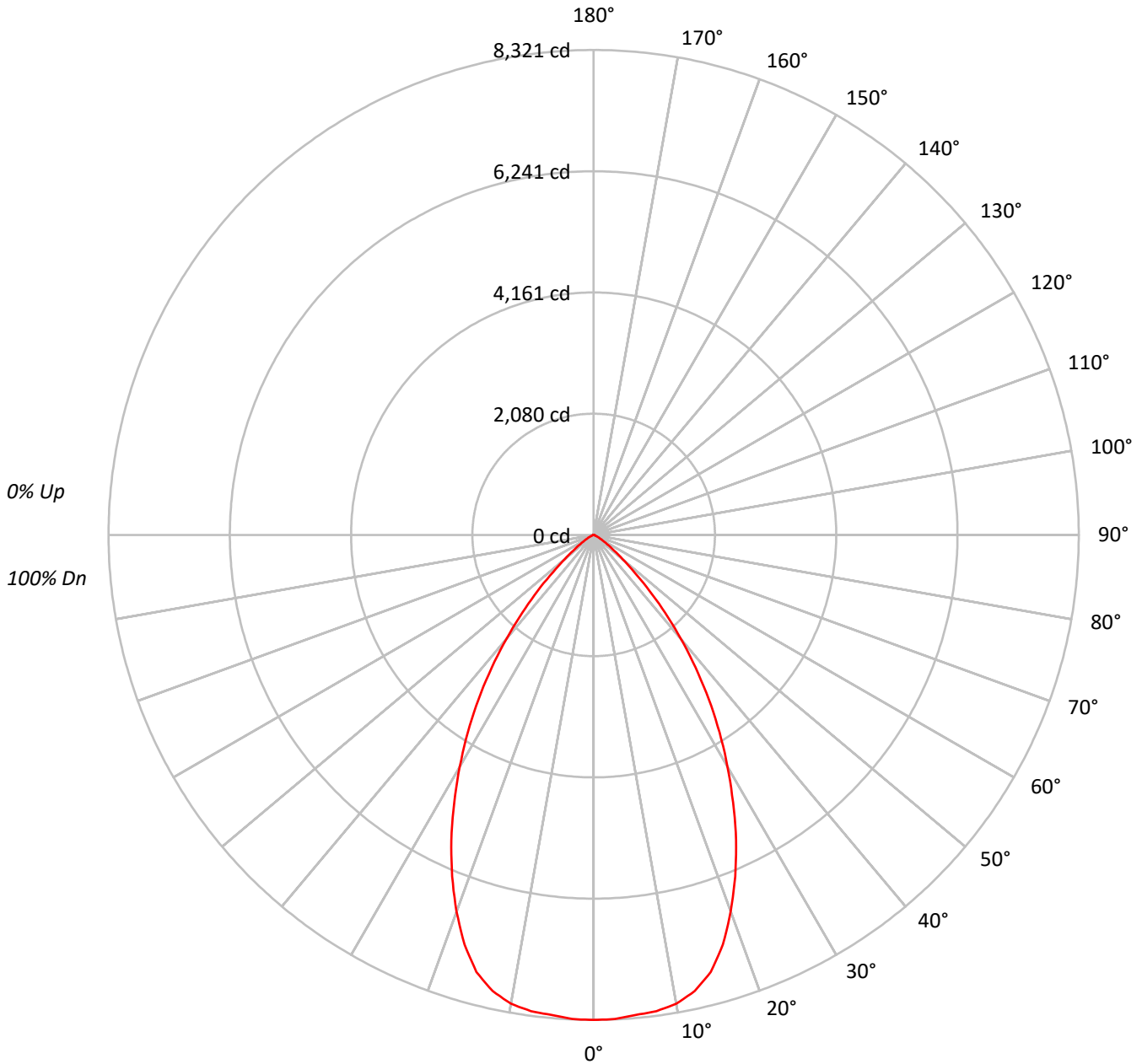
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	485984
5°	484757
10°	484343
15°	469413
20°	427339
25°	372401
30°	309734
35°	245415
40°	177130
45°	111900
50°	58332
55°	31005
60°	16283
65°	8955
70°	3757
75°	4129
80°	2892
85°	2479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 111900 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.9	8.6
10°-20°	2154.9	23.5
20°-30°	2634.0	28.7
30°-40°	2137.1	23.3
40°-50°	1065.0	11.6
50°-60°	297.0	3.2
60°-70°	67.5	0.7
70°-80°	17.6	0.2
80°-90°	4.5	0.0
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°	5575.7	60.8
0°-40°	7712.9	84.2
0°-60°	9074.9	99.0
0°-90°	9164.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9164.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8321	
5°	8268	787
15°	7764	2155
25°	5779	2634
35°	3442	2137
45°	1355	1065
55°	304	297
65°	65	67
75°	18	18
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8321.1
2.5°	8315.0
5°	8268.5
7.5°	8241.6
10°	8167.0
12.5°	8015.4
15°	7763.5
17.5°	7369.7
20°	6875.7
22.5°	6342.6
25°	5778.9
27.5°	5176.1
30°	4592.8
32.5°	4016.9
35°	3442.1
37.5°	2868.7
40°	2323.3
42.5°	1812.2
45°	1354.8
47.5°	944.0
50°	642.0
52.5°	442.6
55°	304.5
57.5°	205.4
60°	139.4
62.5°	96.6
65°	64.8
67.5°	33.0
70°	22.0
72.5°	20.8
75°	18.3
77.5°	12.2
80°	8.6
82.5°	6.1
85°	3.7
87.5°	2.4
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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