

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: P773222

Luminaire Tested: LD6D85BD010-EU6DR6570959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773222
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: LD6D85BD010-EU6DR6570959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9826.0 lumens
Efficiency: N/A
Efficacy: 112.0 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

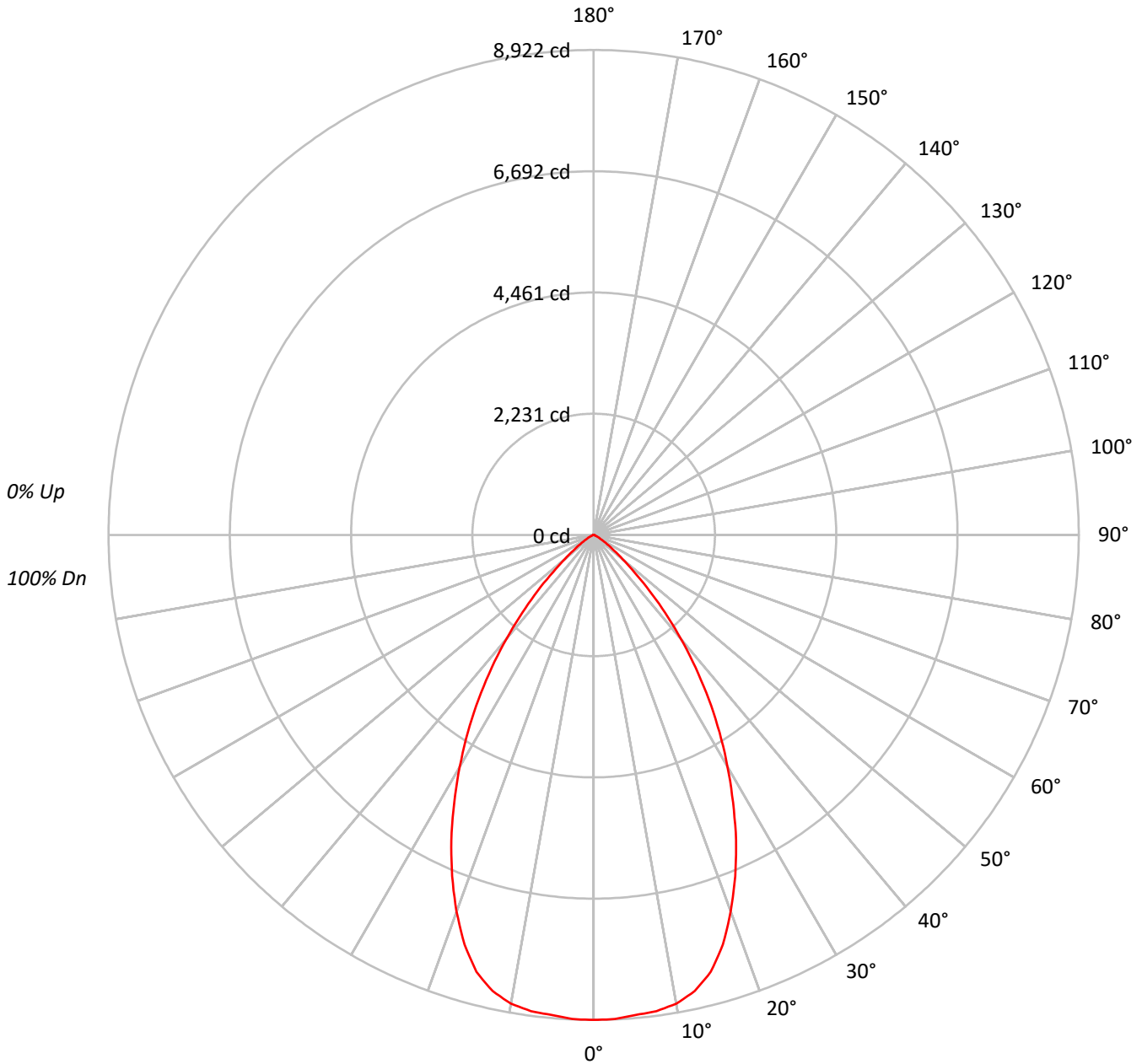
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	521062
5°	519746
10°	519303
15°	503291
20°	458185
25°	399280
30°	332090
35°	263132
40°	189916
45°	119978
50°	62539
55°	33246
60°	17463
65°	9605
70°	4030
75°	4445
80°	3094
85°	2613

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 119978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	843.7	8.6
10°-20°	2310.4	23.5
20°-30°	2824.1	28.7
30°-40°	2291.4	23.3
40°-50°	1141.8	11.6
50°-60°	318.5	3.2
60°-70°	72.4	0.7
70°-80°	18.8	0.2
80°-90°	4.8	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°	5978.2	60.8
0°-40°	8269.6	84.2
0°-60°	9729.9	99.0
0°-90°	9826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8922	
5°	8865	844
15°	8324	2310
25°	6196	2824
35°	3691	2291
45°	1453	1142
55°	326	319
65°	70	72
75°	20	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8921.7
2.5°	8915.1
5°	8865.3
7.5°	8836.4
10°	8756.5
12.5°	8593.9
15°	8323.8
17.5°	7901.7
20°	7372.0
22.5°	6800.4
25°	6196.0
27.5°	5549.7
30°	4924.3
32.5°	4306.8
35°	3690.6
37.5°	3075.7
40°	2491.0
42.5°	1943.0
45°	1452.6
47.5°	1012.1
50°	688.3
52.5°	474.6
55°	326.5
57.5°	220.3
60°	149.5
62.5°	103.6
65°	69.5
67.5°	35.4
70°	23.6
72.5°	22.3
75°	19.7
77.5°	13.1
80°	9.2
82.5°	6.6
85°	3.9
87.5°	2.6
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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