

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: P773219

Luminaire Tested: LD6D85BD010-EU6DR6570959040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 8579.9 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

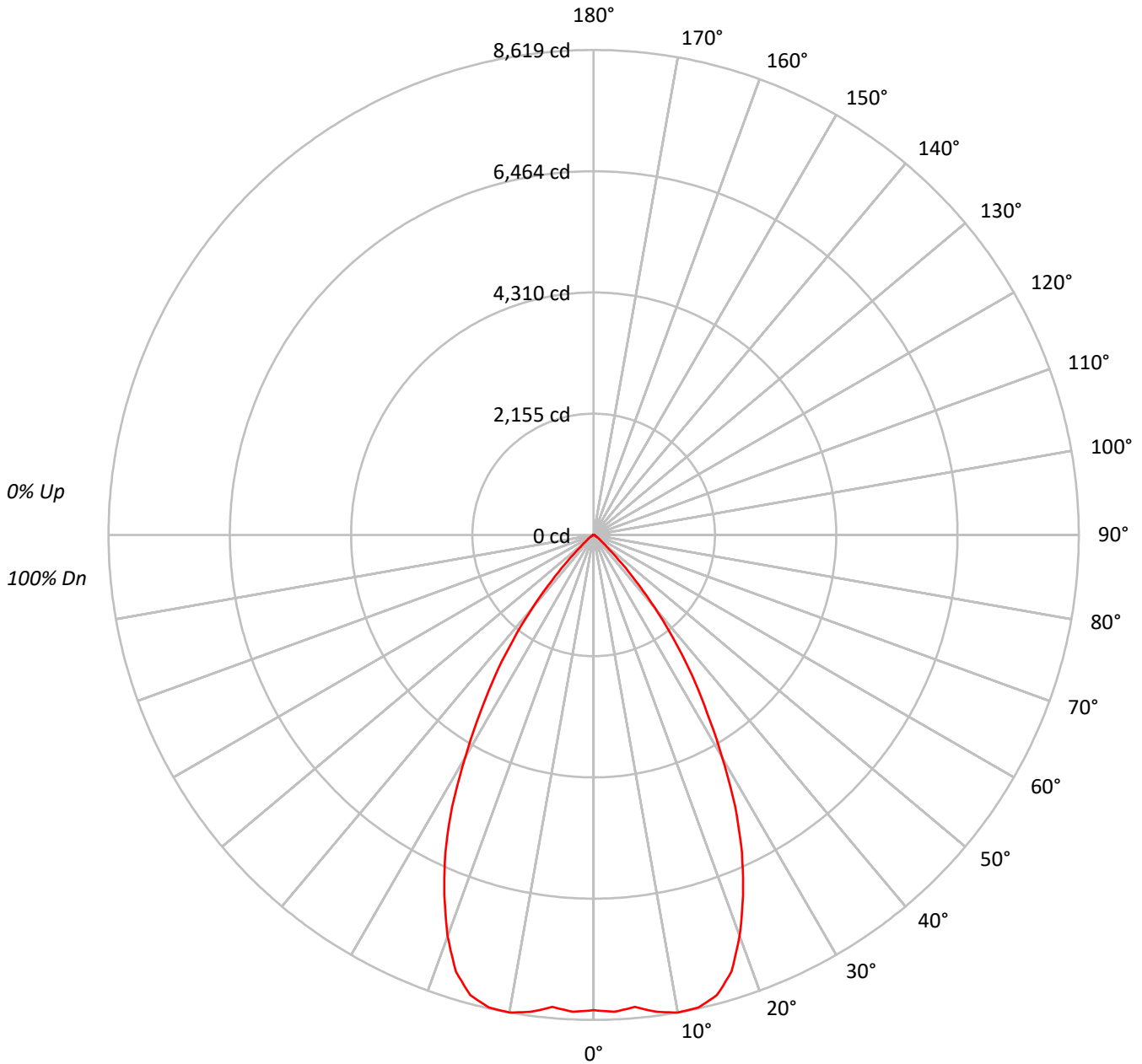
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	922980
5°	923742
10°	956257
15°	957847
20°	881860
25°	751389
30°	575217
35°	406377
40°	239875
45°	97377
50°	35305
55°	19659
60°	11276
65°	6205
70°	6517
75°	5066
80°	5285
85°	4513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 97377 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.4	9.5
10°-20°	2346.4	27.3
20°-30°	2815.2	32.8
30°-40°	1891.9	22.1
40°-50°	566.3	6.6
50°-60°	99.9	1.2
60°-70°	28.4	0.3
70°-80°	13.9	0.2
80°-90°	4.4	0.1
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°	5975.0	69.6
0°-40°	7866.8	91.7
0°-60°	8533.1	99.5
0°-90°	8579.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8579.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8448	
5°	8422	813
15°	8468	2346
25°	6233	2815
35°	3047	1892
45°	630	566
55°	103	100
65°	24	28
75°	12	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8447.5
2.5°	8483.5
5°	8422.3
7.5°	8549.5
10°	8619.1
12.5°	8602.3
15°	8467.9
17.5°	8139.0
20°	7584.4
22.5°	6931.3
25°	6232.7
27.5°	5444.0
30°	4559.3
32.5°	3757.4
35°	3046.7
37.5°	2344.5
40°	1681.8
42.5°	1098.4
45°	630.2
47.5°	333.7
50°	207.7
52.5°	144.1
55°	103.2
57.5°	74.4
60°	51.6
62.5°	33.6
65°	24.0
67.5°	21.6
70°	20.4
72.5°	15.6
75°	12.0
77.5°	10.8
80°	8.4
82.5°	6.0
85°	3.6
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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