

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: P771974

Luminaire Tested: LD6D80BD010-EU6DR3570959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR3570959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9624.5 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

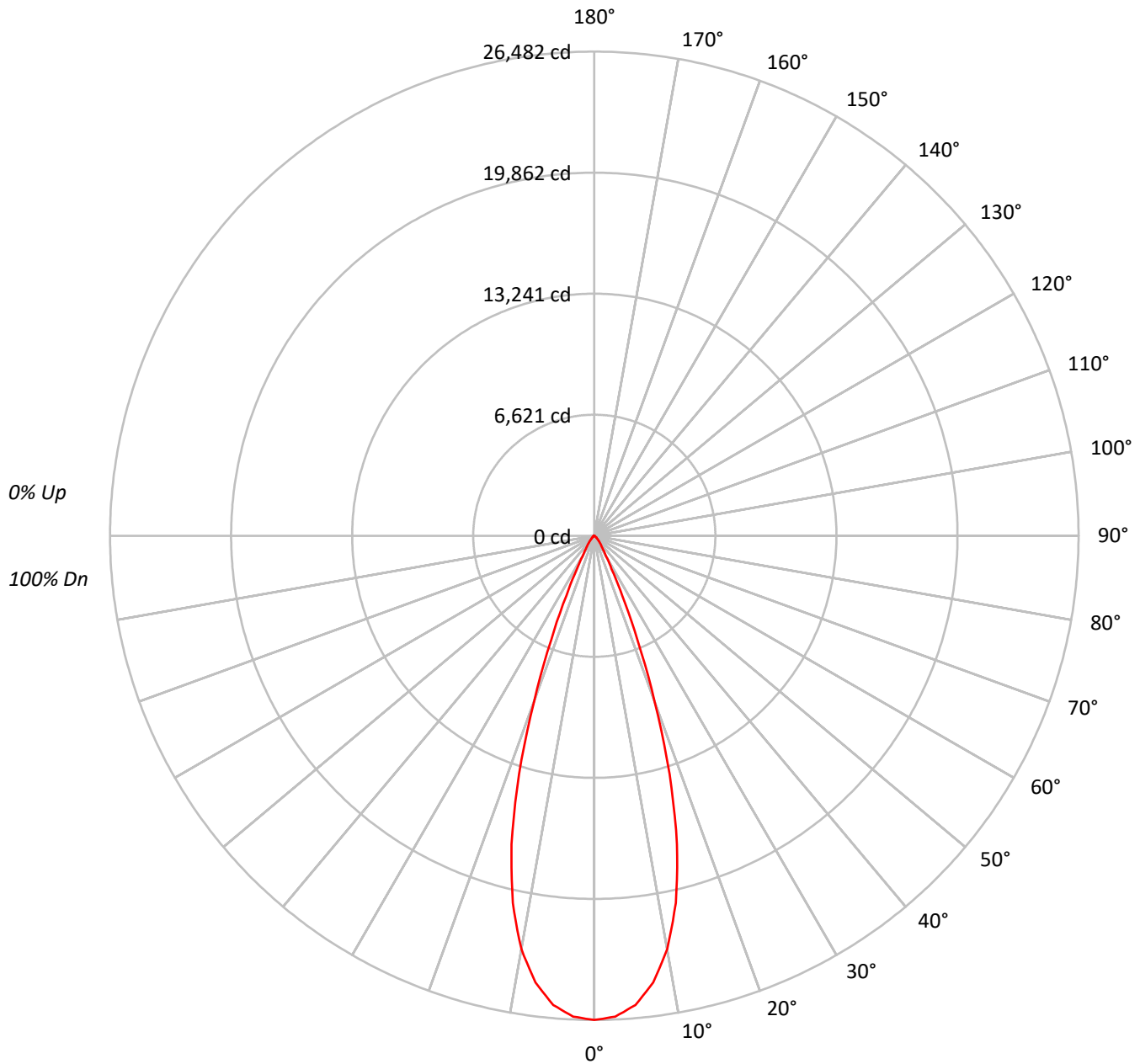
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	112	110	108	112	110	108	107		106	105	103			103	101	100			99
2	110	106	103	101	108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94	105	100	96	93		97	95	92			95	93	91			93
4	103	97	92	89	101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85	98	92	87	84		90	86	84			89	85	83			87
6	96	89	84	81	94	88	84	81		87	83	80			85	82	80			84
7	93	85	81	78	91	85	80	77		84	80	77			83	79	77			82
8	90	82	78	74	88	82	77	74		81	77	74			80	76	74			79
9	87	79	75	72	86	79	75	72		78	74	71			77	74	71			77
10	84	77	72	69	83	76	72	69		76	72	69			75	71	69			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2893411
5°	2825429
10°	2546461
15°	1976459
20°	1121022
25°	436123
30°	162700
35°	89180
40°	58293
45°	35477
50°	22590
55°	15963
60°	11669
65°	6360
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2369.3	24.6
10°-20°	4625.8	48.1
20°-30°	1886.6	19.6
30°-40°	451.5	4.7
40°-50°	188.1	2.0
50°-60°	77.9	0.8
60°-70°	24.4	0.3
70°-80°	0.5	0.0
80°-90°	0.4	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°	8881.7	92.3
0°-40°	9333.1	97.0
0°-60°	9599.2	99.7
0°-90°	9624.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9624.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26482	
5°	25761	###
15°	17473	4626
25°	3618	1887
35°	669	451
45°	230	188
55°	84	78
65°	25	24
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	26481.7
2.5°	26322.8
5°	25761.1
7.5°	24640.4
10°	22952.2
12.5°	20575.1
15°	17473.0
17.5°	13679.2
20°	9641.3
22.5°	6147.8
25°	3617.6
27.5°	2044.9
30°	1289.6
32.5°	905.5
35°	668.6
37.5°	517.0
40°	408.7
42.5°	314.8
45°	229.6
47.5°	171.9
50°	132.9
52.5°	105.4
55°	83.8
57.5°	67.9
60°	53.4
62.5°	39.0
65°	24.6
67.5°	8.7
70°	1.4
72.5°	1.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)