

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: P771999

Luminaire Tested: LD6D80BD010-EU6DR4070959027-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR4070959027-6LBCSSQMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9234.1 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

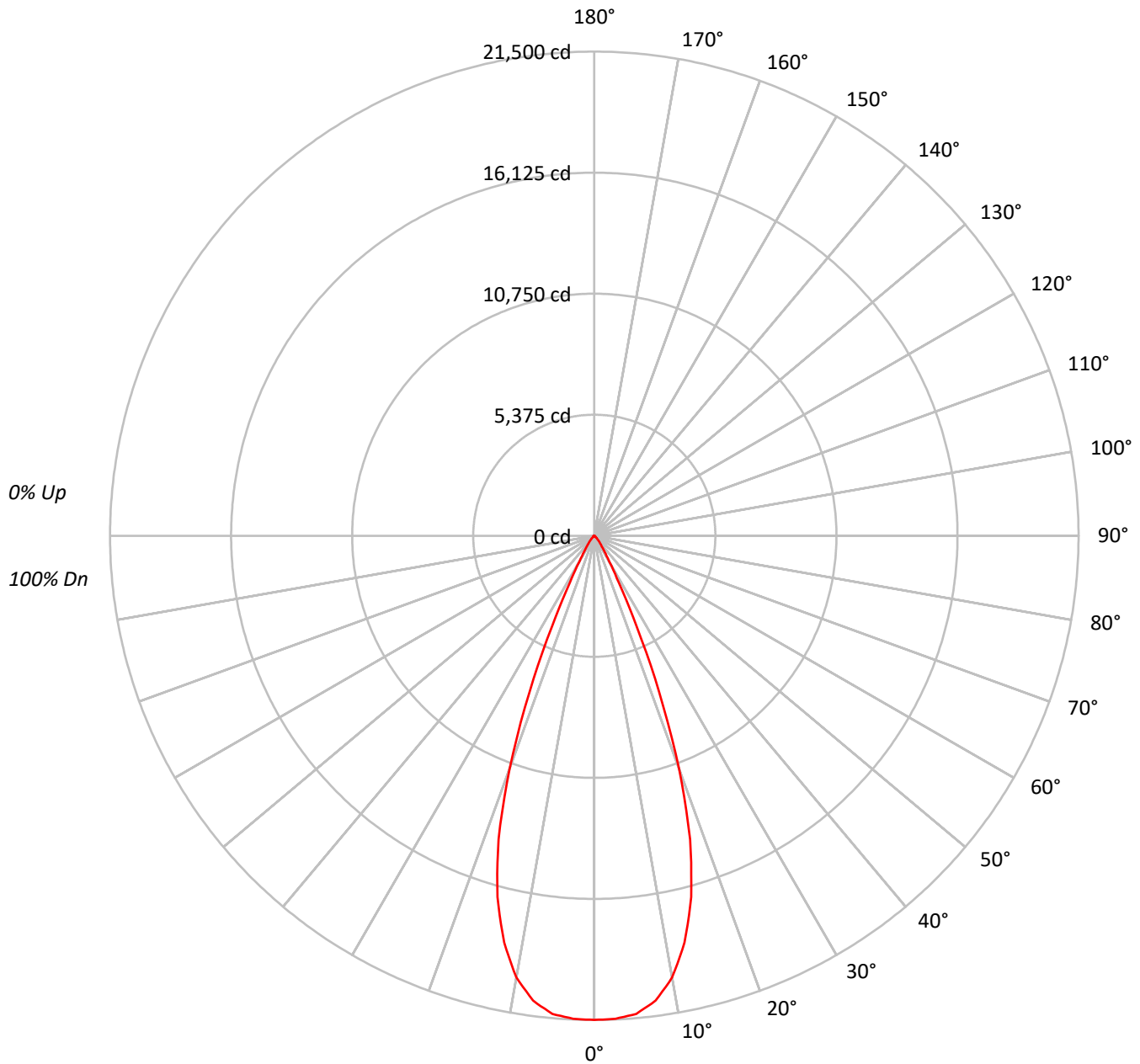
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	100	108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94	104	100	96	93		97	94	92			95	93	90			93
4	102	97	92	89	101	95	91	88		93	90	87			92	89	86			90
5	99	92	88	84	97	91	87	84		90	86	83			88	85	83			87
6	95	88	84	80	94	88	83	80		86	82	80			85	82	79			84
7	92	85	80	77	91	84	80	77		83	79	76			82	79	76			81
8	89	82	77	74	88	81	77	74		80	76	73			79	76	73			78
9	86	79	74	71	85	78	74	71		77	73	71			76	73	70			76
10	83	76	71	68	82	75	71	68		75	71	68			74	70	68			73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2349052
5°	2337635
10°	2209573
15°	1878411
20°	1280281
25°	534183
30°	167961
35°	78069
40°	43174
45°	19794
50°	9604
55°	5258
60°	2753
65°	982
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19794 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1990.1	21.6
10°-20°	4458.5	48.3
20°-30°	2231.8	24.2
30°-40°	409.1	4.4
40°-50°	112.9	1.2
50°-60°	26.5	0.3
60°-70°	5.1	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	8680.4	94.0
0°-40°	9089.5	98.4
0°-60°	9228.9	99.9
0°-90°	9234.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9234.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21500	
5°	21314	###
15°	16606	4458
25°	4431	2232
35°	585	409
45°	128	113
55°	28	27
65°	4	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21499.5
2.5°	21468.1
5°	21313.6
7.5°	20821.2
10°	19915.7
12.5°	18504.0
15°	16606.2
17.5°	14138.3
20°	11011.0
22.5°	7506.8
25°	4431.0
27.5°	2342.4
30°	1331.3
32.5°	860.3
35°	585.3
37.5°	418.2
40°	302.7
42.5°	207.2
45°	128.1
47.5°	81.6
50°	56.5
52.5°	40.2
55°	27.6
57.5°	17.6
60°	12.6
62.5°	7.5
65°	3.8
67.5°	2.5
70°	1.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)