

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: P774509

Luminaire Tested: LD6D95BD010-EU6DR5070959030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5070959030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11257.2 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

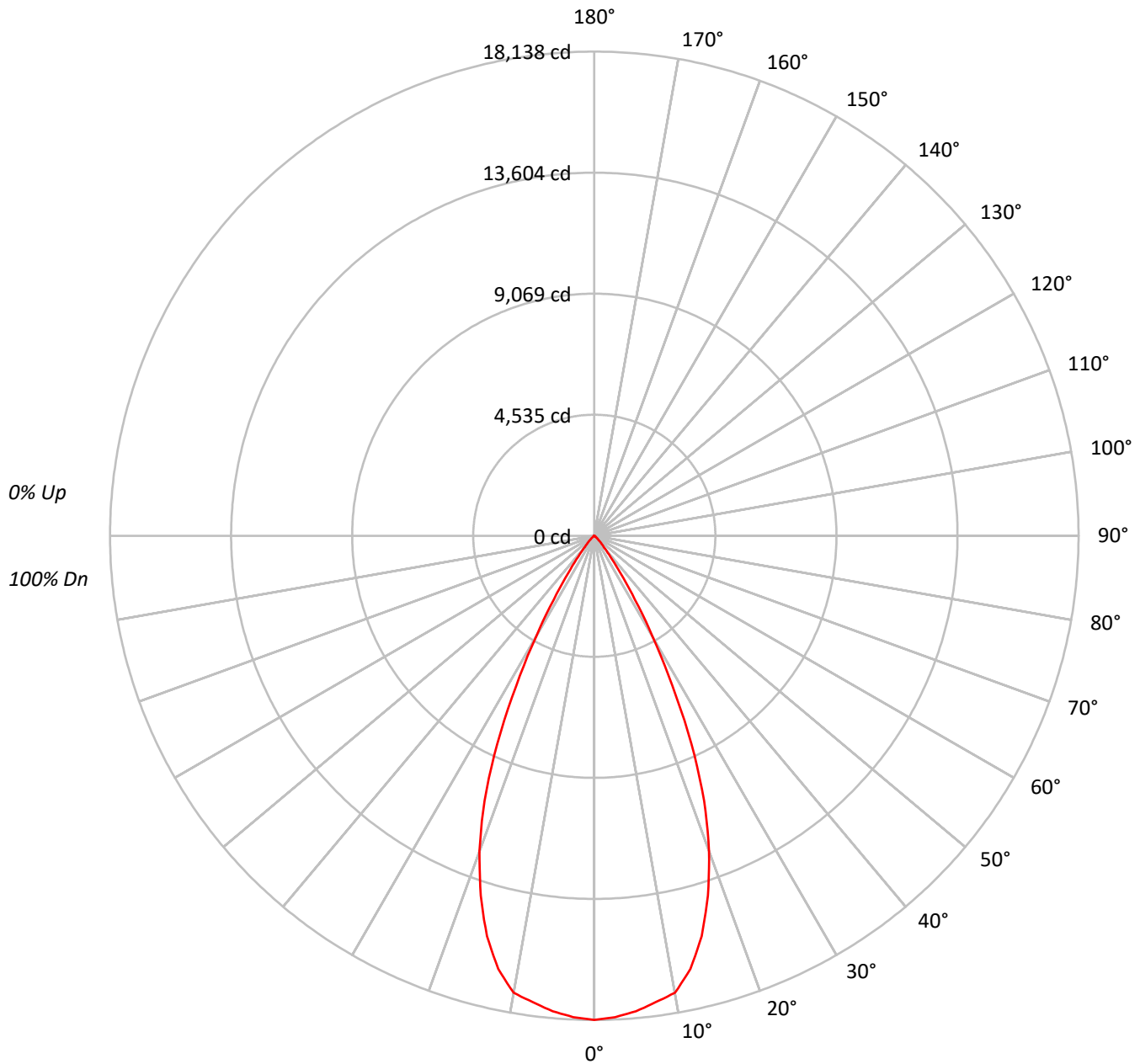
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	114	112	109	107	112	110	108	106		106	104	102			102	101	99			98
2	109	105	101	98	107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91	103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85	99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80	95	88	83	79		86	82	79			85	81	78			83
6	92	84	79	75	91	83	79	75		82	78	74			81	77	74			79
7	88	80	75	71	87	79	74	71		78	74	71			77	73	70			76
8	85	76	71	67	84	76	71	67		75	70	67			74	70	67			73
9	81	73	68	64	80	72	67	64		71	67	64			71	67	64			70
10	78	70	64	61	77	69	64	61		68	64	61			68	64	61			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1981782
5°	1961001
10°	1928712
15°	1756247
20°	1461399
25°	1037371
30°	549089
35°	223763
40°	83096
45°	38042
50°	15604
55°	8153
60°	4021
65°	1189
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38042 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1690.0	15.0
10°-20°	4271.0	37.9
20°-30°	3836.5	34.1
30°-40°	1201.2	10.7
40°-50°	210.3	1.9
50°-60°	41.9	0.4
60°-70°	6.3	0.1
70°-80°	0.0	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°	9797.4	87.0
0°-40°	10998.6	97.7
0°-60°	11250.8	99.9
0°-90°	11257.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11257.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18138	
5°	17880	###
15°	15526	4271
25°	8605	3836
35°	1678	1201
45°	246	210
55°	43	42
65°	5	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18138.1
2.5°	18047.9
5°	17879.6
7.5°	17622.7
10°	17384.2
12.5°	16619.6
15°	15526.2
17.5°	14137.6
20°	12568.7
22.5°	10753.5
25°	8604.9
27.5°	6326.4
30°	4352.2
32.5°	2833.6
35°	1677.6
37.5°	963.4
40°	582.6
42.5°	379.2
45°	246.2
47.5°	149.9
50°	91.8
52.5°	62.7
55°	42.8
57.5°	29.1
60°	18.4
62.5°	10.7
65°	4.6
67.5°	1.5
70°	0.0
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)