

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: P774403

Luminaire Tested: LD6D95BD010-EU6DR4570959024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR4570959024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9409.4 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

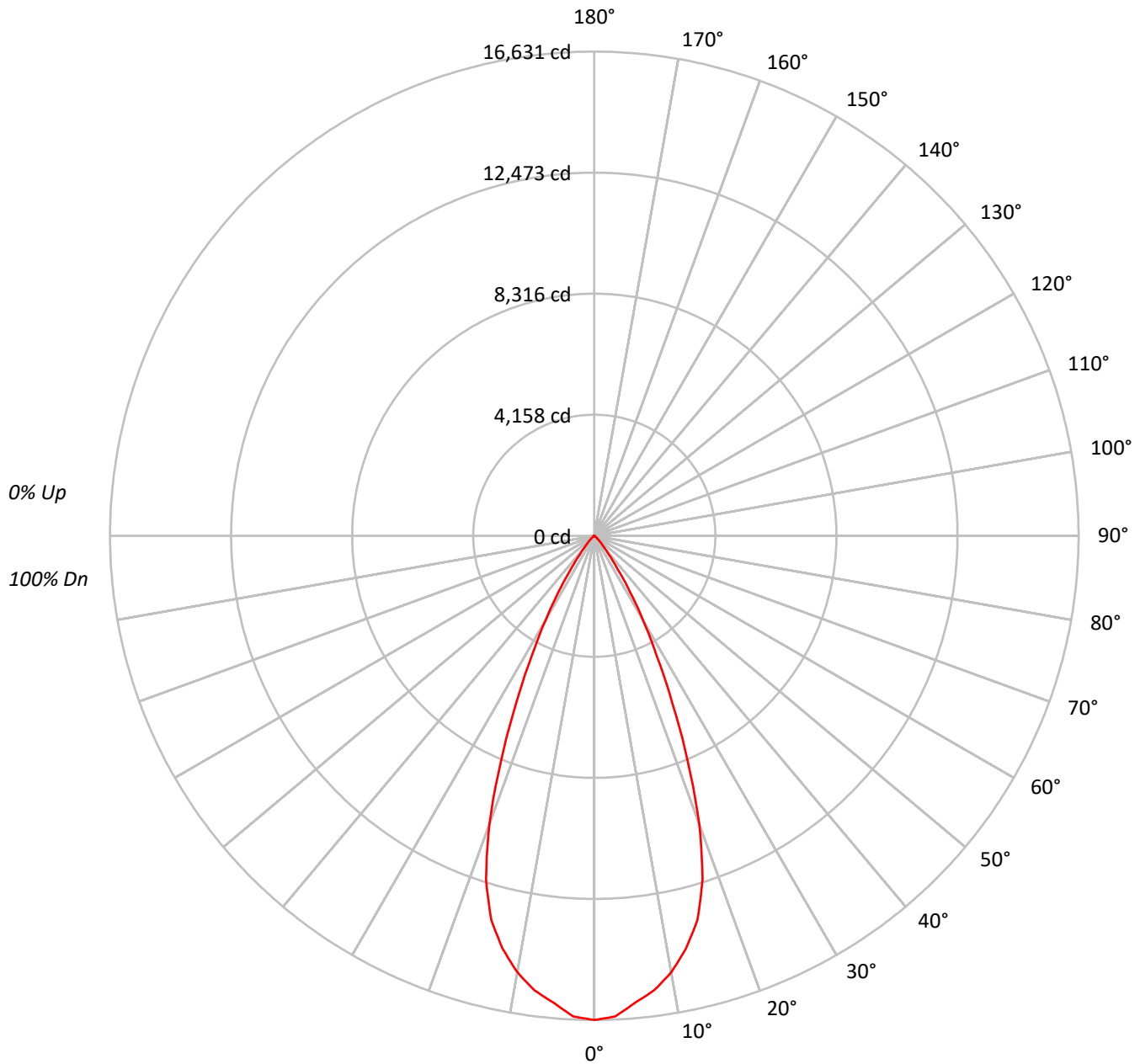
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1817159
5°	1765423
10°	1689035
15°	1545819
20°	1226365
25°	765638
30°	422004
35°	189484
40°	74624
45°	35168
50°	16675
55°	8724
60°	4283
65°	1008
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1512.4	16.1
10°-20°	3722.2	39.6
20°-30°	2947.6	31.3
30°-40°	981.6	10.4
40°-50°	194.8	2.1
50°-60°	44.2	0.5
60°-70°	6.4	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°	8182.3	87.0
0°-40°	9163.8	97.4
0°-60°	9402.9	99.9
0°-90°	9409.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9409.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16631	
5°	16096	###
15°	13666	3722
25°	6351	2948
35°	1421	982
45°	228	195
55°	46	44
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16631.4
2.5°	16522.8
5°	16096.4
7.5°	15744.5
10°	15223.9
12.5°	14530.6
15°	13665.9
17.5°	12365.6
20°	10547.3
22.5°	8381.1
25°	6350.9
27.5°	4650.4
30°	3344.9
32.5°	2274.8
35°	1420.6
37.5°	842.4
40°	523.2
42.5°	344.0
45°	227.6
47.5°	146.5
50°	98.1
52.5°	65.4
55°	45.8
57.5°	30.1
60°	19.6
62.5°	10.5
65°	3.9
67.5°	1.3
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)