

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P836668

Luminaire Tested: **ARCH3-60-722-U-T2U-HSS**

Issue Date: 5/16/2024

Test Information

Test Method: LM-79-08
Report Number: P836668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-60-722-U-T2U-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

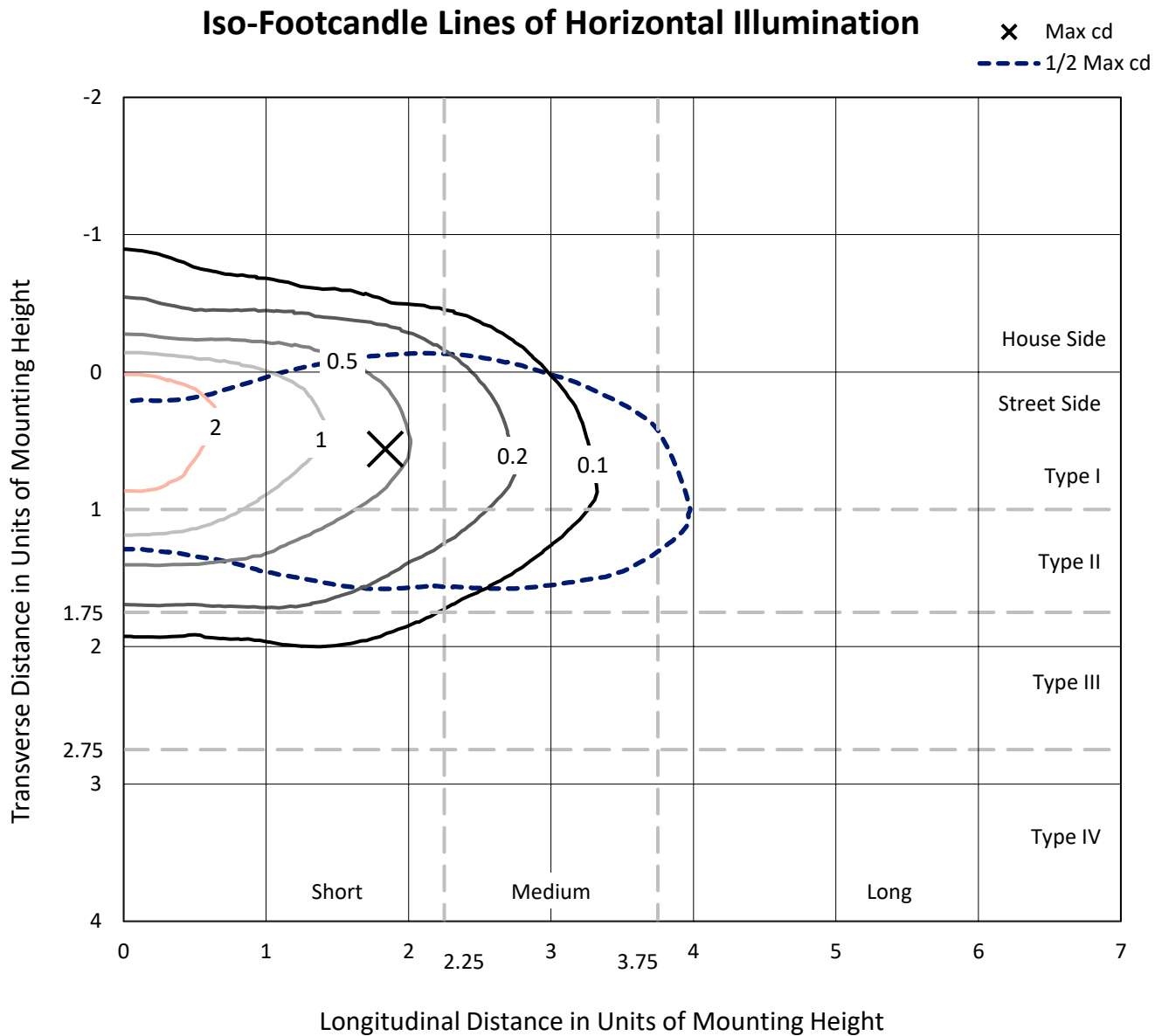
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6265 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 63.2
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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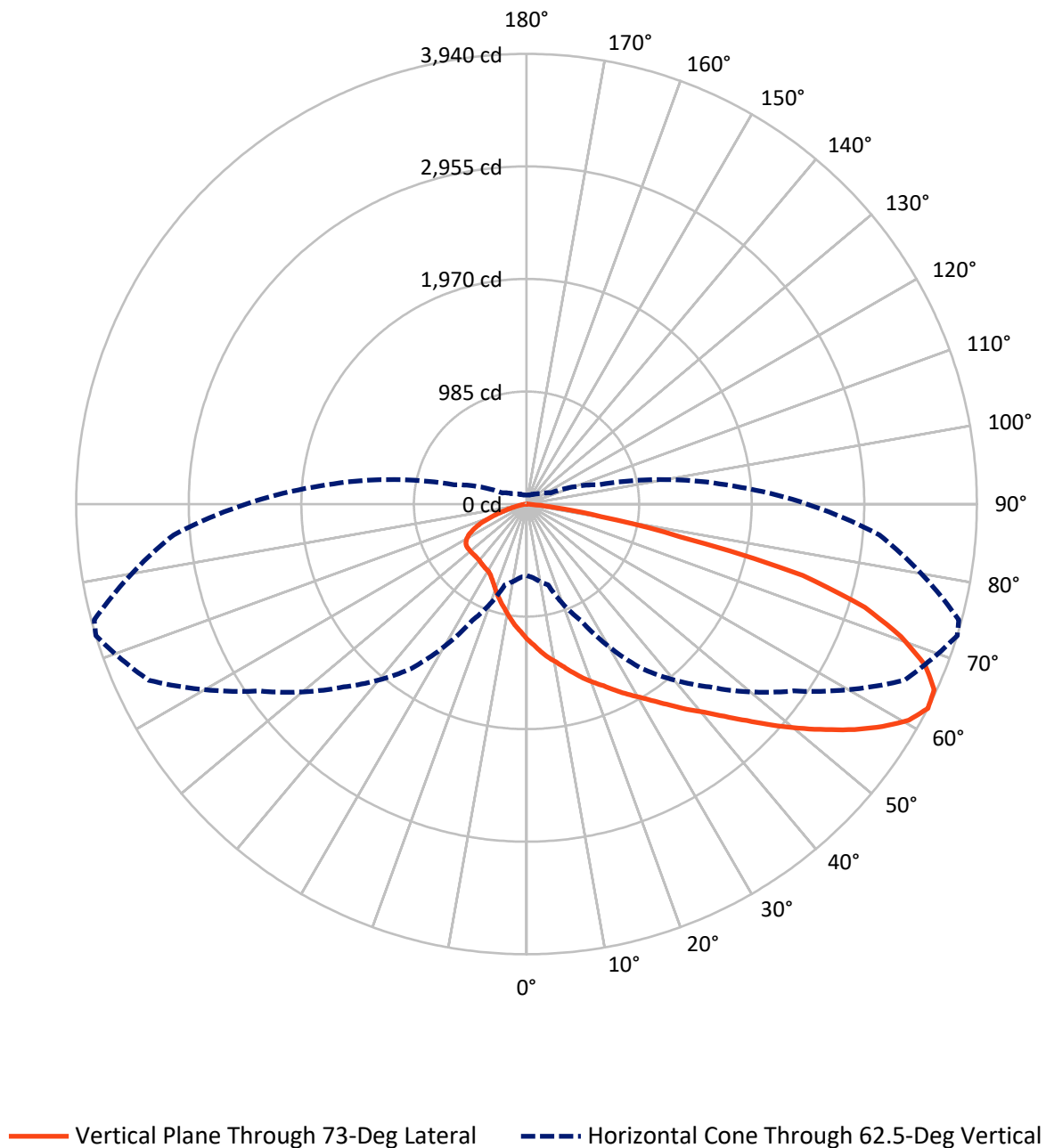


Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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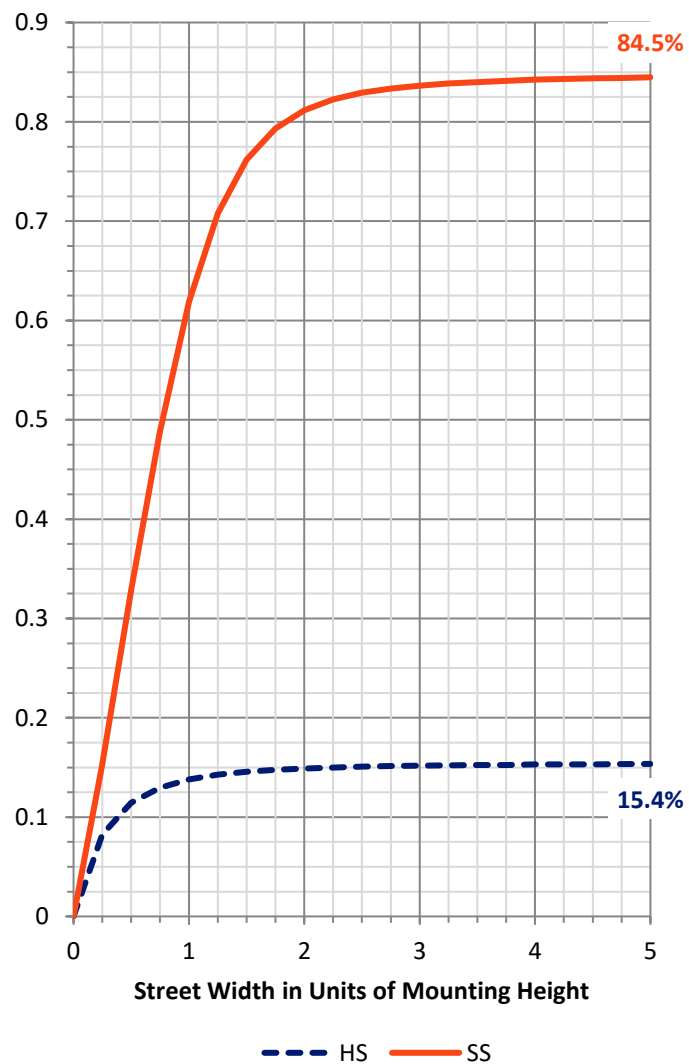
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	971.2	0.0	971.2
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	5293.8	0.0	5293.8
	% Fixture	84.5	0.0	84.5
Total	Lumens	6265.0	0.0	6265.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	1.8
10°-20°	345.8	5.5
20°-30°	575.6	9.2
30°-40°	868.5	13.9
40°-50°	1214.0	19.4
50°-60°	1340.9	21.4
60°-70°	1168.1	18.6
70°-80°	590.1	9.4
80°-90°	47.4	0.8
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°-90°	6265.0	100.0
0°-180°	6265.0	100.0

Coefficient of Utilization



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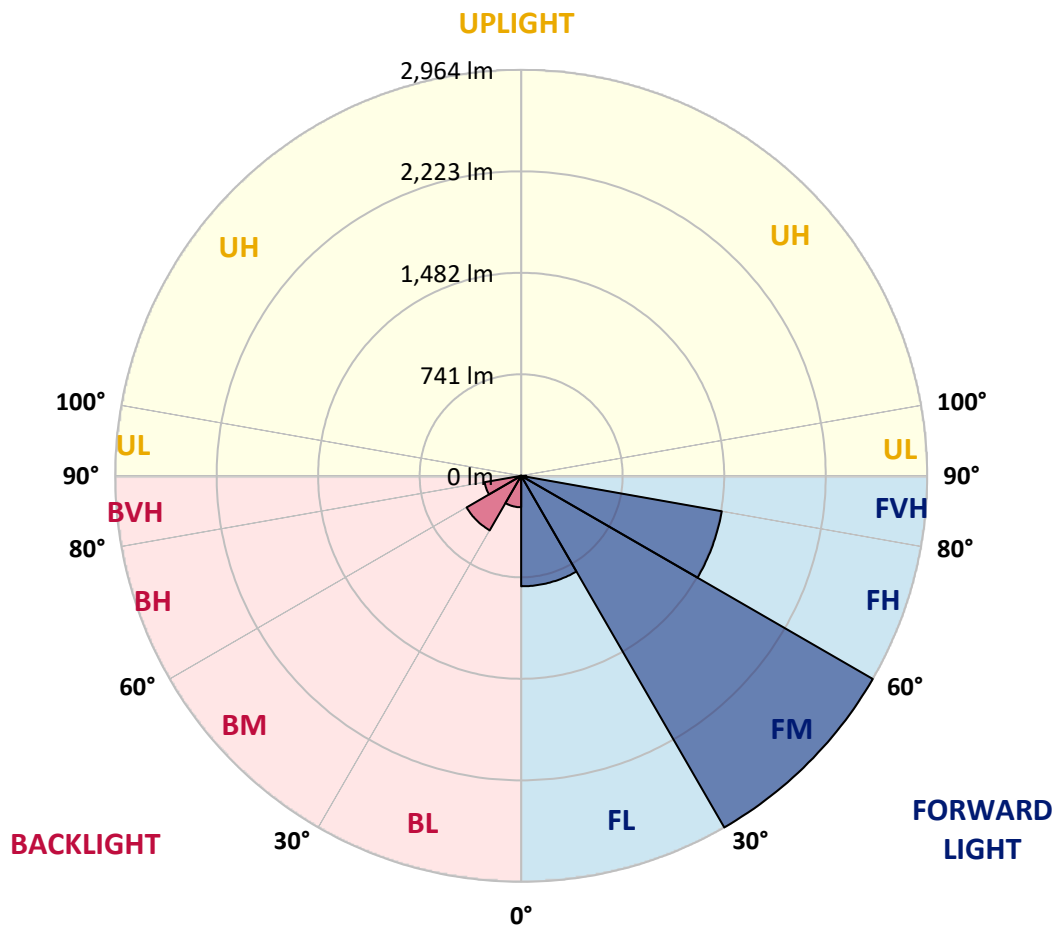
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	806.5	12.9			
FM	(30°-60°)	2963.6	47.3			
FH	(60°-80°)	1487.1	23.7			G1/1800
FVH	(80°-90°)	36.7	0.6			G1/100
BL	(0°-30°)	229.5	3.7	B1/500		
BM	(30°-60°)	459.8	7.3	B1/1000		
BH	(60°-80°)	271.1	4.3	B1/500		G1/500
BVH	(80°-90°)	10.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3
2.5°	1350.1	1365.1	1356.9	1362.4	1335.1	1317.3	1296.9	1257.3	1235.4	1232.7	1206.8
5°	1548.0	1564.4	1550.8	1546.7	1498.9	1458.0	1411.5	1341.9	1295.5	1287.3	1230.0
7.5°	1746.0	1761.0	1744.6	1732.3	1668.2	1595.8	1527.6	1425.2	1352.8	1339.2	1249.1
10°	1885.2	1898.9	1886.6	1874.3	1807.4	1733.7	1636.8	1503.0	1404.7	1382.9	1261.4
12.5°	1990.3	1998.5	1993.1	1982.2	1919.4	1840.2	1747.4	1590.4	1463.4	1436.1	1280.5
15°	2076.4	2090.0	2083.2	2075.0	2014.9	1935.7	1847.0	1681.8	1531.7	1497.5	1309.2
17.5°	2133.7	2143.2	2144.6	2144.6	2091.4	2013.6	1927.6	1765.1	1599.9	1556.2	1336.5
20°	2159.6	2170.5	2177.4	2188.3	2144.6	2077.7	1990.3	1836.1	1664.1	1614.9	1362.4
22.5°	2171.9	2181.5	2199.2	2223.8	2188.3	2132.3	2051.8	1901.6	1728.2	1676.4	1392.4
25°	2181.5	2193.8	2219.7	2266.1	2241.5	2193.8	2124.1	1976.7	1804.7	1751.5	1436.1
27.5°	2207.4	2222.4	2247.0	2303.0	2272.9	2249.7	2200.6	2057.2	1885.2	1830.6	1489.3
30°	2297.5	2309.8	2308.4	2343.9	2307.1	2300.2	2266.1	2135.1	1963.0	1908.4	1552.1
32.5°	2461.3	2473.6	2443.6	2429.9	2349.4	2350.7	2337.1	2218.3	2055.9	1999.9	1624.5
35°	2637.4	2651.1	2611.5	2588.3	2453.1	2413.5	2420.4	2322.1	2159.6	2103.7	1714.6
37.5°	2794.4	2810.8	2776.7	2742.5	2606.0	2514.6	2513.2	2438.1	2278.4	2221.1	1814.2
40°	2880.4	2899.5	2920.0	2900.9	2757.5	2656.5	2612.8	2556.9	2395.8	2337.1	1922.1
42.5°	2921.4	2974.6	3011.5	2999.2	2881.8	2779.4	2727.5	2681.1	2539.1	2481.8	2050.4
45°	2806.7	2808.1	2885.9	2952.8	2930.9	2862.7	2853.1	2820.3	2702.9	2648.3	2195.1
47.5°	2663.4	2652.4	2707.0	2825.8	2887.2	2905.0	2960.9	2974.6	2890.0	2835.4	2342.5
50°	2319.3	2326.2	2503.6	2674.3	2794.4	2909.1	3037.4	3133.0	3082.4	3030.6	2498.2
52.5°	1886.6	1903.0	2106.4	2481.8	2671.5	2868.1	3082.4	3291.3	3279.0	3229.9	2653.8
55°	1512.6	1538.5	1754.2	2161.0	2514.6	2776.7	3101.6	3436.0	3482.4	3437.4	2806.7
57.5°	1156.3	1183.6	1365.1	1782.8	2313.9	2627.9	3087.9	3563.0	3672.2	3643.5	2947.3
60°	870.9	898.3	1014.3	1445.7	2062.7	2461.3	3019.6	3646.2	3842.8	3812.8	3049.7
62.5°	623.9	645.7	731.7	1124.9	1756.9	2263.4	2851.7	3647.6	3939.7	3915.2	3098.8
65°	449.1	449.1	518.7	802.7	1470.2	2025.8	2597.8	3479.7	3919.3	3912.4	3064.7
67.5°	323.5	326.3	382.2	561.1	1172.6	1737.8	2268.8	3180.7	3760.9	3795.0	2941.8
70°	229.3	236.2	262.1	391.8	886.0	1371.9	1916.6	2788.9	3475.6	3535.7	2704.3
72.5°	177.5	181.6	199.3	273.0	647.1	1019.7	1527.6	2352.1	3094.7	3163.0	2380.8
75°	136.5	140.6	154.3	200.7	464.1	715.3	1085.3	1825.2	2495.4	2616.9	1912.5
77.5°	99.7	105.1	114.7	146.1	270.3	454.6	658.0	1026.6	1377.4	1434.7	1002.0
80°	46.4	53.2	66.9	94.2	146.1	214.3	233.4	395.9	662.1	692.1	543.3
82.5°	25.9	32.8	38.2	57.3	73.7	76.4	79.2	99.7	249.8	275.8	228.0
85°	12.3	16.4	17.7	24.6	24.6	21.8	25.9	19.1	41.0	49.1	47.8
87.5°	0.0	1.4	2.7	6.8	5.5	4.1	4.1	4.1	4.1	5.5	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3	1186.3
2.5°	1194.5	1176.7	1135.8	1100.3	1077.1	1056.6	1029.3	1017.0	995.2	999.3	987.0
5°	1201.3	1168.5	1096.2	1029.3	980.2	936.5	888.7	861.4	831.4	828.6	819.1
7.5°	1205.4	1154.9	1051.1	957.0	881.9	815.0	750.8	715.3	678.5	670.3	662.1
10°	1201.3	1134.4	1004.7	881.9	782.2	698.9	626.6	581.5	543.3	533.8	525.6
12.5°	1205.4	1123.5	961.0	812.2	693.5	599.3	517.4	471.0	435.5	425.9	420.5
15°	1215.0	1116.7	924.2	749.5	614.3	509.2	428.6	389.1	360.4	350.8	348.1
17.5°	1223.1	1109.8	884.6	688.0	535.1	430.0	360.4	327.6	303.1	293.5	290.8
20°	1234.1	1100.3	845.0	629.3	465.5	367.2	305.8	277.1	258.0	251.2	249.8
22.5°	1243.6	1093.5	808.2	570.6	401.3	316.7	264.8	241.6	228.0	221.1	221.1
25°	1268.2	1096.2	776.8	516.0	353.6	277.1	233.4	215.7	204.8	200.7	200.7
27.5°	1296.9	1107.1	752.2	469.6	312.6	247.1	211.6	196.6	191.1	185.7	187.0
30°	1337.8	1129.0	735.8	431.4	282.6	223.9	193.8	182.9	177.5	176.1	176.1
32.5°	1389.7	1164.4	734.4	406.8	260.7	206.1	181.6	172.0	169.3	167.9	167.9
35°	1451.1	1195.8	726.2	395.9	247.1	193.8	172.0	165.2	163.8	163.8	163.8
37.5°	1524.8	1247.7	720.8	380.9	240.3	187.0	165.2	159.7	159.7	159.7	159.7
40°	1601.3	1290.0	712.6	367.2	237.5	182.9	161.1	154.3	154.3	154.3	154.3
42.5°	1692.8	1351.5	709.9	360.4	233.4	180.2	155.6	147.4	148.8	148.8	150.2
45°	1803.3	1421.1	708.5	353.6	232.1	177.5	150.2	140.6	142.0	140.6	140.6
47.5°	1915.3	1501.6	712.6	349.5	230.7	174.7	146.1	133.8	133.8	132.4	132.4
50°	2032.7	1575.4	715.3	345.4	228.0	169.3	139.2	128.3	125.6	122.9	124.2
52.5°	2143.2	1643.6	716.7	338.6	219.8	161.1	133.8	121.5	117.4	113.3	114.7
55°	2253.8	1709.1	719.4	330.4	208.9	152.9	127.0	114.7	109.2	103.7	103.7
57.5°	2353.5	1766.5	712.6	309.9	196.6	144.7	120.1	106.5	98.3	92.8	92.8
60°	2421.7	1807.4	692.1	279.9	180.2	135.1	113.3	98.3	88.7	84.6	84.6
62.5°	2454.5	1814.2	655.3	230.7	159.7	125.6	105.1	90.1	81.9	79.2	79.2
65°	2423.1	1784.2	597.9	173.4	137.9	114.7	96.9	83.3	75.1	68.3	68.3
67.5°	2313.9	1699.6	518.7	131.1	117.4	103.7	88.7	76.4	66.9	61.4	61.4
70°	2094.1	1523.5	401.3	105.1	99.7	90.1	80.5	68.3	60.1	53.2	53.2
72.5°	1806.1	1291.4	282.6	84.6	84.6	76.4	68.3	60.1	51.9	46.4	46.4
75°	1385.6	955.6	189.8	68.3	69.6	64.2	56.0	49.1	43.7	39.6	39.6
77.5°	756.3	472.3	116.0	50.5	51.9	49.1	43.7	39.6	36.9	32.8	32.8
80°	367.2	207.5	66.9	35.5	36.9	35.5	32.8	28.7	28.7	25.9	25.9
82.5°	154.3	77.8	35.5	24.6	24.6	21.8	20.5	20.5	20.5	19.1	19.1
85°	38.2	15.0	15.0	13.7	13.7	13.7	12.3	12.3	12.3	9.6	10.9
87.5°	5.5	5.5	5.5	5.5	5.5	5.5	4.1	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)