

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208540

Luminaire Tested: UPW-SA1-070-730-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WIT HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

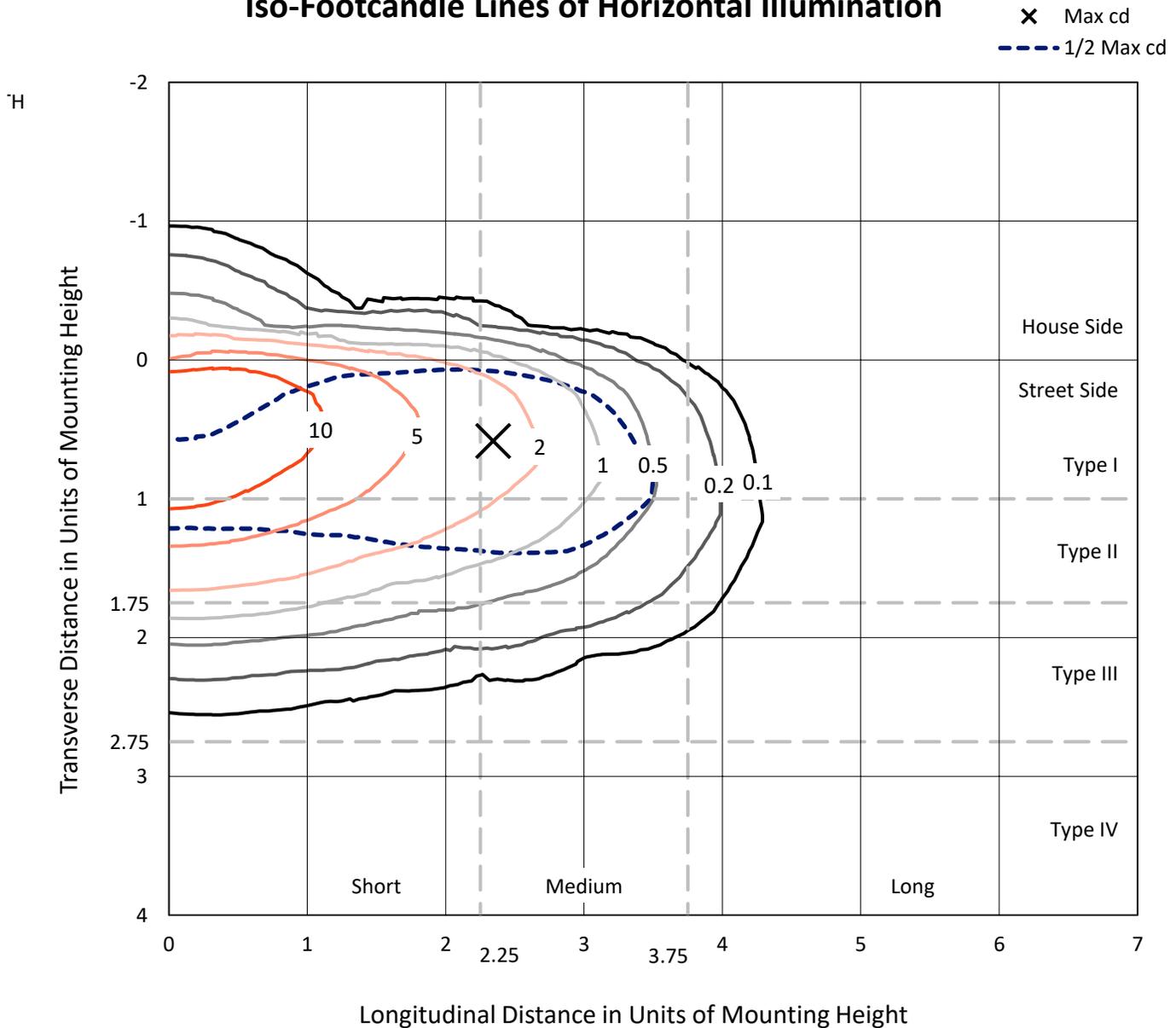
Lumens per Lamp: N/A
Luminaire Lumens: 6090 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 67
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: 28.75 FT



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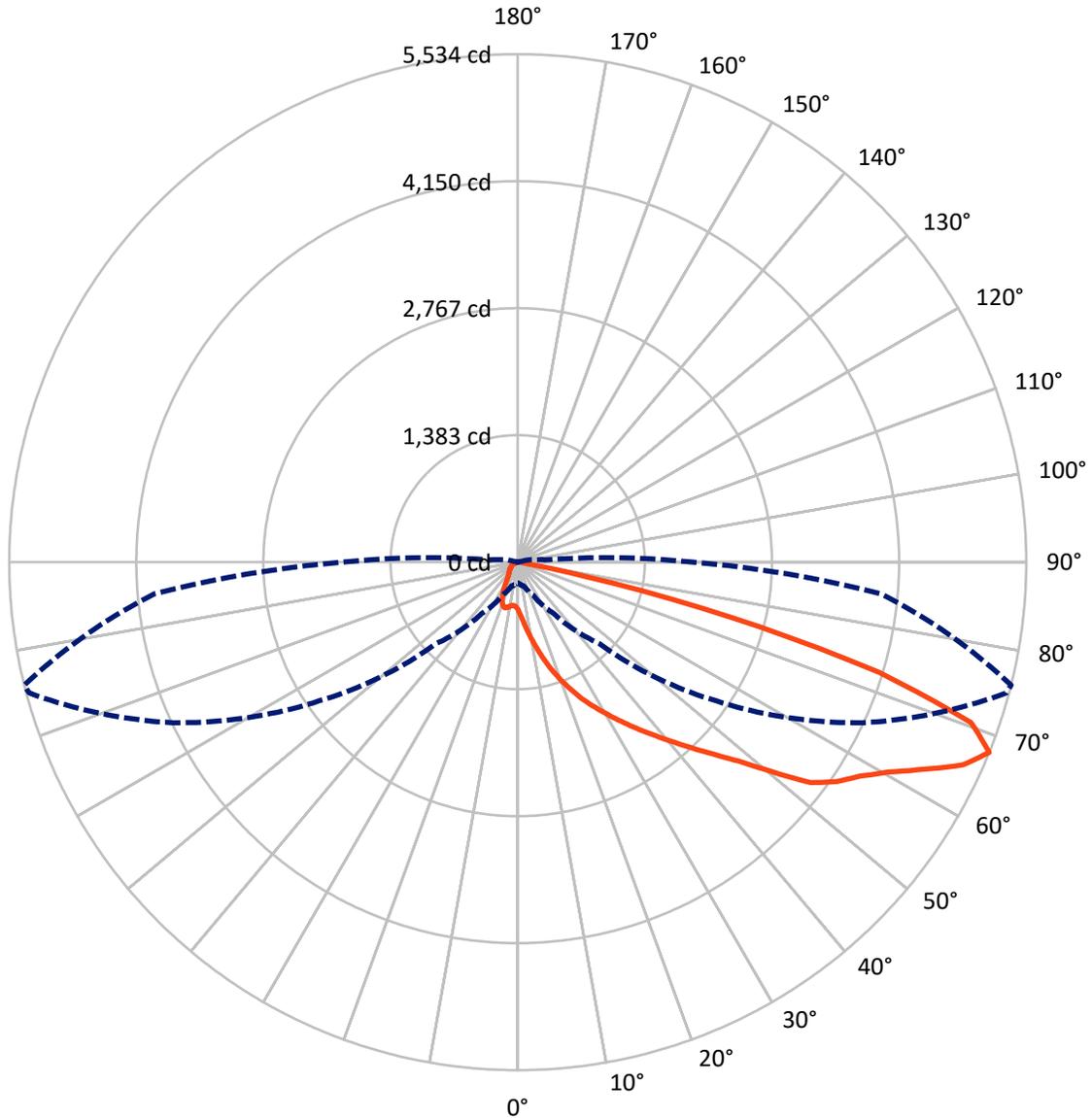
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 18.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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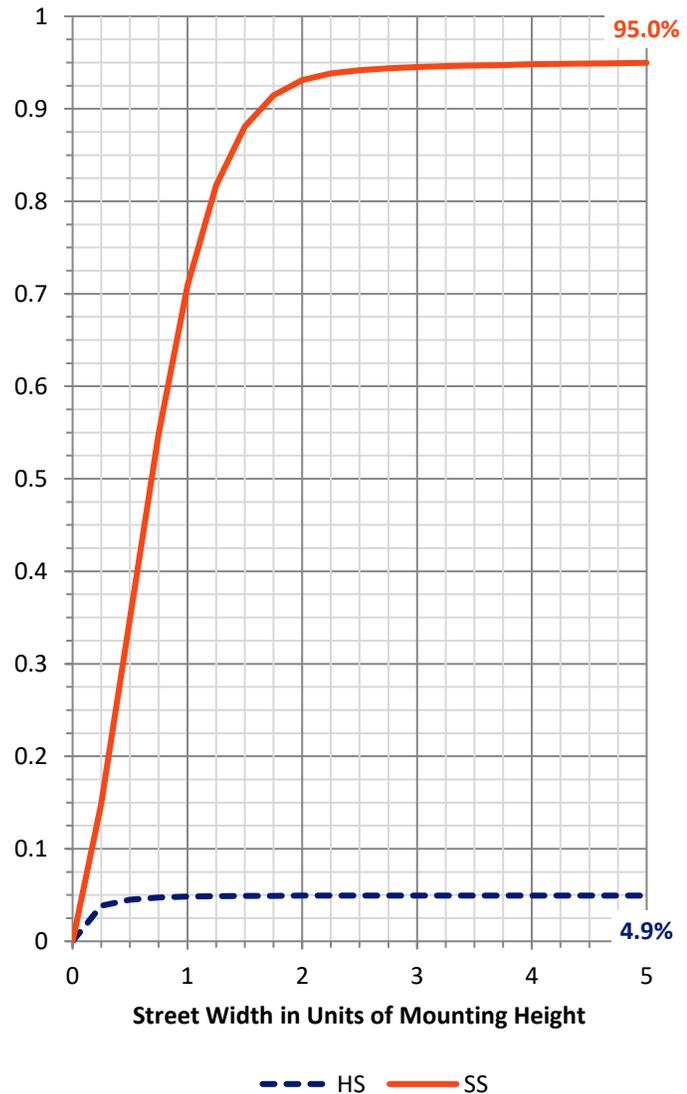
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	302.4	0.0	302.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5787.6	0.0	5787.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	6090.0	0.0	6090.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	1.1
10°-20°	254.7	4.2
20°-30°	518.1	8.5
30°-40°	899.3	14.8
40°-50°	1270.6	20.9
50°-60°	1440.9	23.7
60°-70°	1195.1	19.6
70°-80°	432.9	7.1
80°-90°	14.0	0.2
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°	6090.0	100.0
0°-180°	6090.0	100.0



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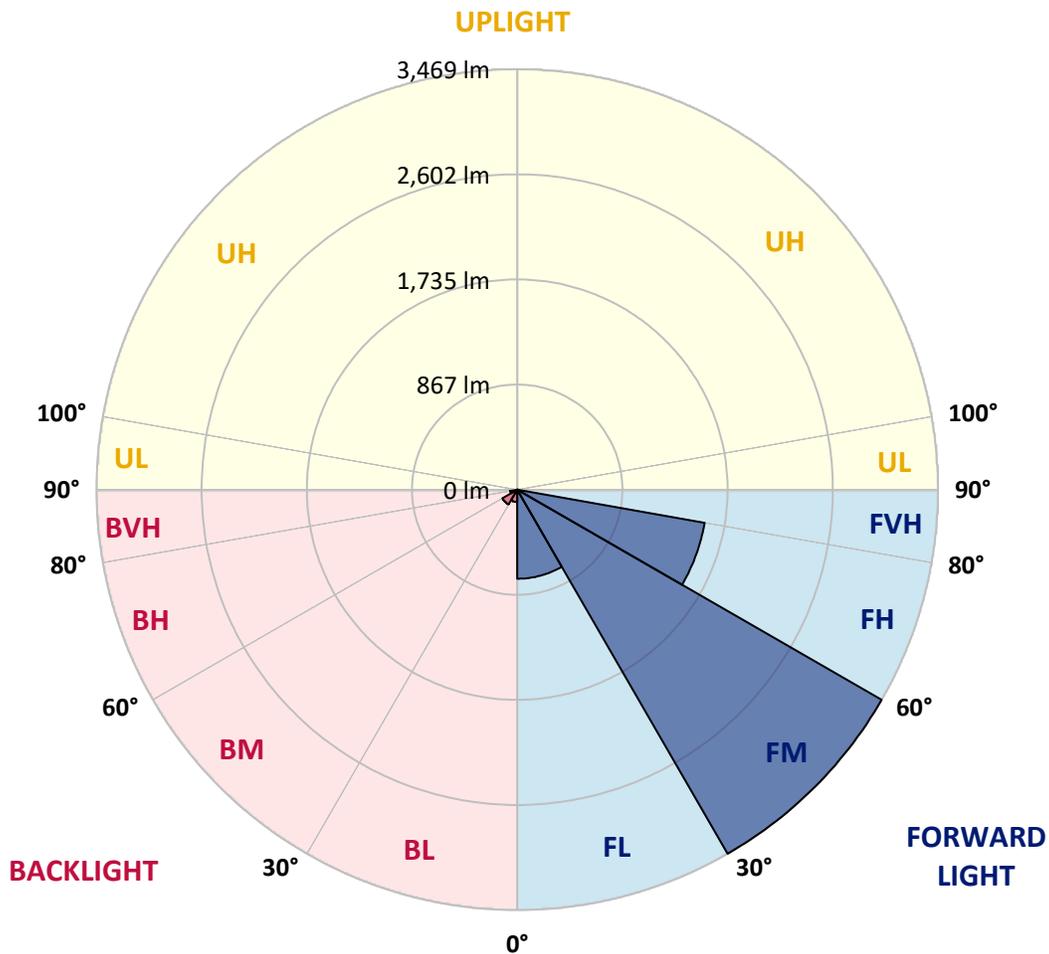
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	735.0	12.1			
FM	(30°-60°)	3469.3	57.0			
FH	(60°-80°)	1569.6	25.8			G1/1800
FVH	(80°-90°)	13.6	0.2			G1/100
BL	(0°-30°)	102.0	1.7	B0/110		
BM	(30°-60°)	141.5	2.3	B0/220		
BH	(60°-80°)	58.4	1.0	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6
2.5°	771.2	753.8	757.8	746.6	726.3	684.7	649.2	615.6	576.4	575.0	542.8
5°	1039.9	1025.2	1023.3	1000.7	963.8	893.1	824.3	745.8	658.3	651.9	583.3
7.5°	1283.8	1272.0	1267.8	1240.8	1172.2	1103.4	1013.7	898.5	761.6	749.8	638.0
10°	1471.1	1465.5	1466.6	1447.4	1388.7	1324.6	1206.9	1059.9	878.7	860.6	703.7
12.5°	1613.1	1614.4	1624.0	1612.3	1579.4	1531.9	1406.3	1232.0	1008.4	983.6	778.6
15°	1717.4	1724.1	1741.7	1756.4	1754.0	1712.9	1597.6	1406.8	1146.1	1118.6	862.2
17.5°	1784.9	1792.4	1818.0	1850.6	1880.4	1870.8	1782.2	1575.4	1285.4	1253.6	951.6
20°	1844.2	1853.0	1880.4	1923.4	1979.2	1991.2	1933.0	1739.0	1424.4	1385.7	1043.9
22.5°	1972.5	1972.2	1989.0	2014.1	2067.2	2098.2	2061.4	1890.9	1561.8	1521.5	1138.1
25°	2204.7	2195.9	2190.0	2170.2	2182.0	2201.2	2180.6	2032.8	1700.1	1659.2	1233.6
27.5°	2480.6	2485.9	2438.4	2385.3	2344.2	2324.5	2290.8	2164.4	1832.9	1788.1	1327.0
30°	2771.7	2773.3	2717.3	2649.5	2559.0	2484.0	2425.9	2290.0	1969.6	1920.7	1417.7
32.5°	3034.3	3023.9	2968.4	2876.0	2761.8	2677.5	2556.6	2430.4	2114.2	2067.0	1518.6
35°	3242.4	3230.1	3162.6	3078.6	2960.1	2875.2	2729.8	2570.5	2266.3	2220.1	1619.7
37.5°	3394.5	3380.1	3310.7	3224.3	3122.1	3072.7	2930.7	2722.9	2432.3	2382.6	1726.2
40°	3447.3	3434.8	3391.3	3328.1	3245.9	3234.7	3143.9	2898.2	2612.9	2560.1	1846.8
42.5°	3415.9	3403.6	3388.1	3366.8	3332.6	3343.3	3345.1	3098.0	2813.6	2761.6	1980.0
45°	3291.0	3280.0	3296.0	3327.3	3369.7	3422.5	3528.7	3312.9	3037.7	2982.2	2133.9
47.5°	3107.1	3099.1	3143.4	3221.3	3345.4	3491.1	3696.6	3538.6	3289.4	3237.9	2326.1
50°	2845.6	2844.3	2932.9	3075.1	3265.9	3524.2	3870.0	3795.3	3638.9	3584.8	2593.2
52.5°	2438.4	2441.1	2615.3	2842.9	3126.3	3501.8	3981.6	4125.1	4045.6	3989.3	2824.5
55°	2050.7	2066.7	2190.2	2518.5	2912.3	3418.5	4020.0	4279.1	4270.0	4216.7	2953.2
57.5°	1671.0	1700.1	1819.1	2125.7	2599.9	3226.7	3998.9	4345.8	4437.1	4396.2	3122.9
60°	1259.5	1272.8	1410.0	1696.6	2198.8	2876.6	3846.0	4382.1	4665.5	4637.2	3369.2
62.5°	801.3	834.7	956.4	1232.8	1712.1	2390.4	3588.2	4381.6	4951.3	4966.8	3687.0
65°	422.1	461.1	525.7	764.0	1176.5	1847.4	3200.5	4340.5	5301.9	5323.5	3935.4
67.5°	227.6	238.8	273.0	396.5	682.3	1251.5	2630.8	4137.7	5505.0	5533.5	3970.1
70°	166.5	172.6	185.5	219.3	343.4	726.9	1919.7	3677.9	5243.2	5232.5	3527.4
72.5°	127.8	137.4	147.0	160.6	197.5	388.0	1195.2	2880.0	4183.6	4113.1	2636.7
75°	100.9	102.5	116.1	128.4	148.1	220.9	530.8	1677.4	2553.4	2386.6	1367.3
77.5°	80.6	81.7	89.7	100.3	119.0	145.2	164.4	659.9	815.2	727.4	296.7
80°	47.8	50.4	66.7	77.4	98.7	91.5	60.0	143.3	127.3	115.3	49.9
82.5°	26.7	28.8	37.6	61.1	68.8	43.8	29.9	38.7	29.9	29.1	14.1
85°	0.0	1.3	24.3	37.9	28.0	9.6	12.5	12.8	8.8	8.3	5.6
87.5°	0.0	0.0	7.5	7.2	1.1	1.6	2.9	4.3	3.5	3.5	2.9
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°	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6	516.6
2.5°	526.7	512.3	485.1	458.4	436.0	417.6	401.1	394.4	389.1	388.3	384.0
5°	550.2	521.1	469.1	426.4	397.9	377.6	360.2	349.6	341.3	338.1	335.2
7.5°	585.7	541.7	467.0	417.9	383.7	349.6	317.5	282.9	261.2	253.0	248.2
10°	628.9	568.9	475.0	415.5	355.7	283.7	230.6	186.5	168.6	162.8	161.2
12.5°	679.4	602.8	488.9	400.5	295.9	201.5	159.0	144.1	140.1	138.2	138.2
15°	737.3	639.9	498.7	357.3	218.8	152.4	137.7	130.8	126.5	124.1	124.3
17.5°	796.5	676.2	493.9	294.6	161.4	135.6	124.6	117.1	111.3	108.9	108.3
20°	856.3	709.8	467.2	219.3	136.6	123.0	110.7	102.5	96.6	94.2	93.7
22.5°	918.2	738.4	420.3	160.9	122.7	109.1	97.1	88.9	83.3	81.1	80.1
25°	978.5	761.6	354.6	130.2	109.7	96.1	84.6	76.9	71.8	69.6	69.4
27.5°	1034.8	776.2	278.6	115.0	98.2	84.3	73.9	67.0	62.7	61.1	60.8
30°	1085.5	777.6	206.0	103.8	88.1	74.2	64.6	58.4	54.7	53.1	52.6
32.5°	1136.8	766.4	150.0	93.7	78.7	65.4	56.0	51.2	48.6	47.2	47.2
35°	1185.1	740.5	116.9	84.9	69.6	56.8	49.4	45.9	44.3	43.0	43.0
37.5°	1232.3	703.4	99.3	77.1	61.1	49.6	43.5	41.4	40.0	38.7	38.7
40°	1280.3	656.7	90.2	69.9	54.2	44.0	38.7	36.8	35.5	34.4	34.2
42.5°	1339.3	602.8	84.3	63.2	48.0	39.0	34.2	32.0	31.0	29.9	29.4
45°	1407.6	556.4	79.5	56.6	43.0	34.7	29.6	27.5	25.9	24.5	24.3
47.5°	1506.1	522.7	73.1	49.4	38.2	30.2	25.6	23.2	20.8	19.5	19.2
50°	1631.7	495.0	64.8	43.0	33.4	25.6	21.3	18.4	16.3	14.9	14.9
52.5°	1694.2	458.7	57.4	37.4	28.0	21.6	17.3	13.9	12.8	11.5	11.5
55°	1719.3	431.0	49.9	31.8	23.2	17.9	13.6	10.7	9.9	9.1	8.8
57.5°	1789.7	422.9	43.5	27.0	19.2	14.1	10.4	8.0	7.5	6.4	6.4
60°	1903.1	426.9	37.6	22.9	15.5	10.9	7.7	6.1	5.6	4.5	4.5
62.5°	2025.6	421.9	31.8	19.7	12.0	8.0	5.3	4.5	4.5	2.7	2.4
65°	2049.1	375.7	27.2	16.3	9.3	5.9	3.5	2.9	4.0	0.5	0.0
67.5°	1901.8	291.4	23.5	12.5	6.9	4.5	2.7	1.3	3.5	0.0	0.0
70°	1520.7	185.2	18.9	9.1	5.3	3.7	2.1	0.5	2.7	0.0	0.0
72.5°	1075.4	107.5	14.9	6.4	4.5	2.9	1.6	0.0	1.6	0.0	0.0
75°	543.8	57.4	9.3	4.8	3.5	2.1	1.1	0.0	0.3	0.0	0.0
77.5°	117.7	26.7	5.9	3.5	2.4	1.3	0.5	0.0	0.0	0.0	0.0
80°	25.6	11.7	3.7	2.1	1.3	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	9.3	6.1	1.9	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	3.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	1.1	0.3	0.3	0.0	0.0	0.0	0.0	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)