

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: INVUE

Report Number: P675270

Luminaire Tested: **CCW-SA-1E-740-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675270
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-740-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T4W distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6897.4 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

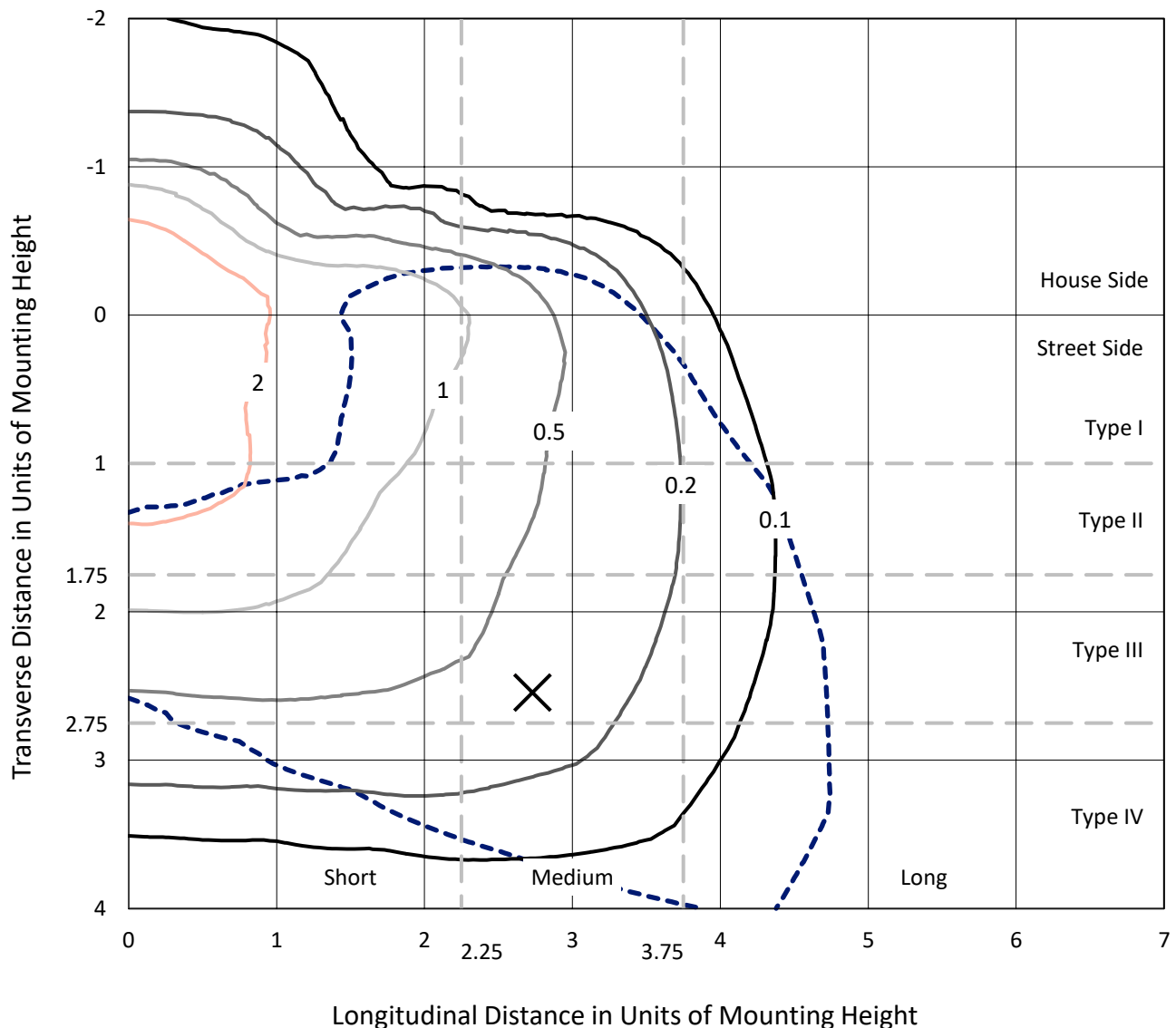
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

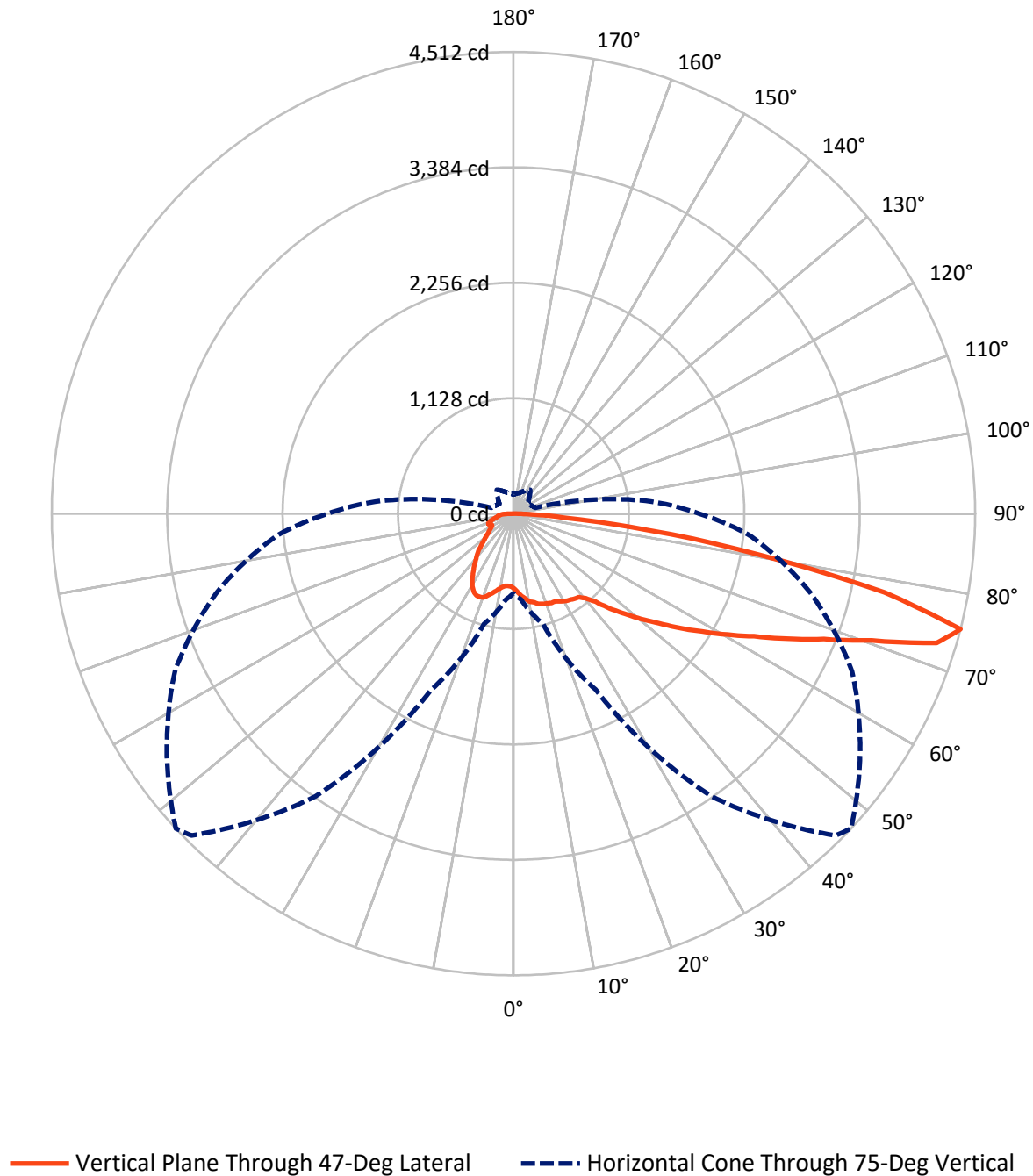
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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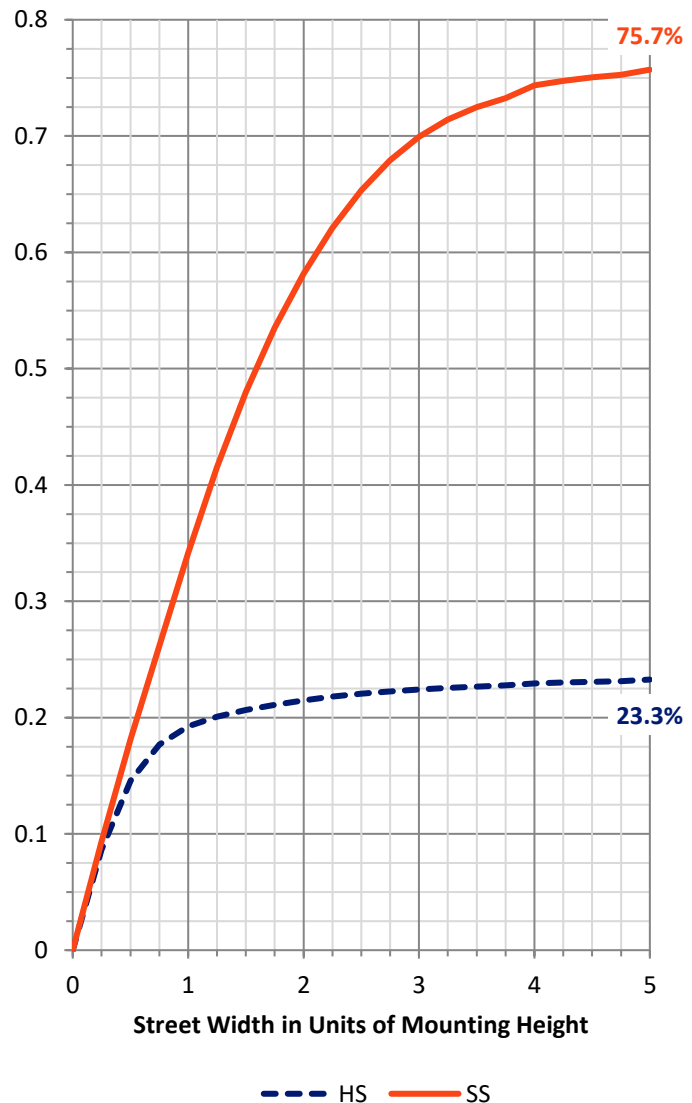
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1649.5	0.0	1649.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5247.9	0.0	5247.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	6897.4	0.0	6897.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.1
10°-20°	245.9	3.6
20°-30°	421.1	6.1
30°-40°	589.2	8.5
40°-50°	821.6	11.9
50°-60°	1228.0	17.8
60°-70°	1770.5	25.7
70°-80°	1507.1	21.8
80°-90°	240.1	3.5
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°	6897.4	100.0
0°-180°	6897.4	100.0

Coefficient of Utilization



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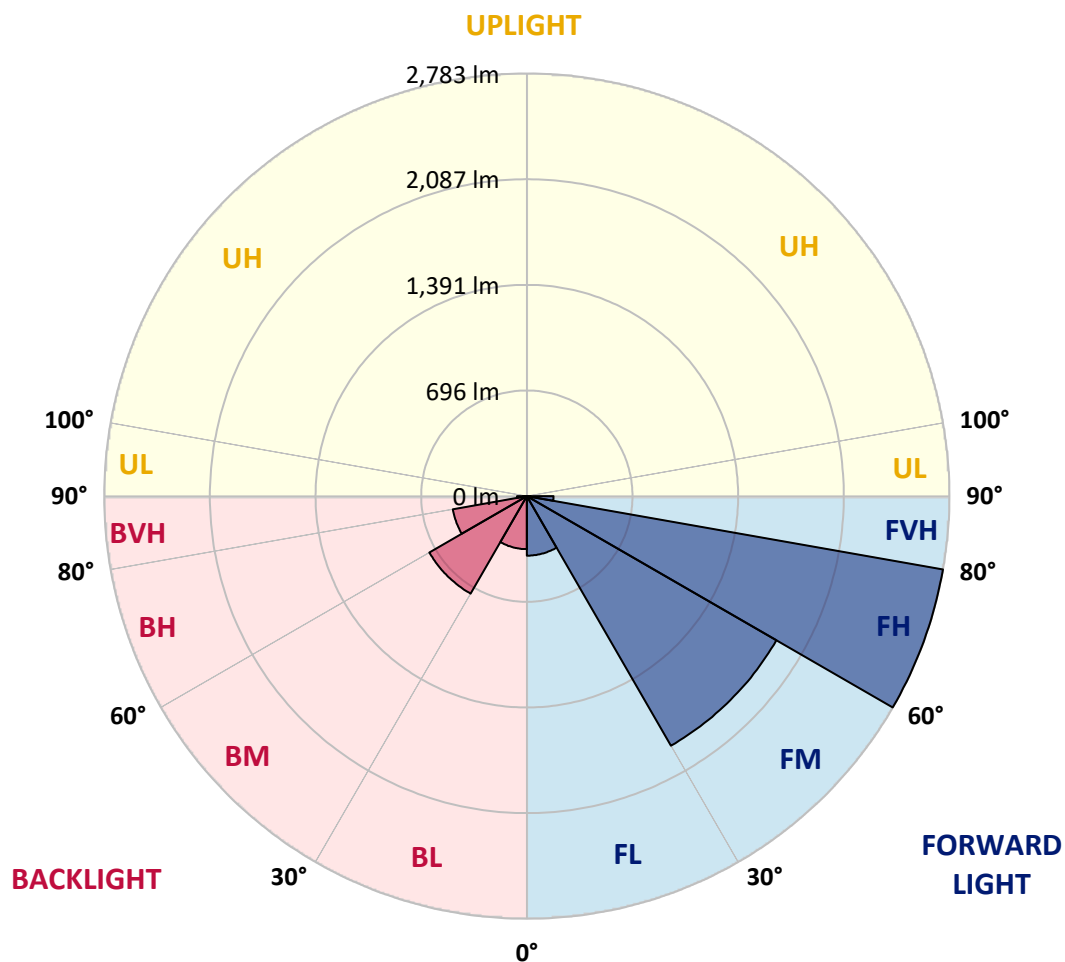
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.9	5.7			
FM	(30°-60°)	1897.4	27.5			
FH	(60°-80°)	2782.7	40.3			G2/5000
FVH	(80°-90°)	175.9	2.6			G2/225
BL	(0°-30°)	349.1	5.1	B1/500		
BM	(30°-60°)	741.4	10.7	B1/1000		
BH	(60°-80°)	494.8	7.2	B1/500		G1/500
BVH	(80°-90°)	64.2	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4
2.5°	785.2	787.7	787.7	782.7	777.7	767.6	767.6	757.5	752.5	739.9	734.9
5°	858.2	850.6	843.1	840.6	828.0	810.4	807.9	797.8	770.1	757.5	739.9
7.5°	911.0	908.5	906.0	895.9	873.3	845.6	838.1	823.0	795.3	770.1	750.0
10°	953.8	963.9	953.8	931.2	908.5	878.3	875.8	848.1	823.0	792.8	767.6
12.5°	1001.6	1004.2	986.5	958.9	923.6	898.5	888.4	878.3	850.6	825.5	787.7
15°	1034.4	1029.3	1016.7	979.0	938.7	913.6	916.1	903.5	873.3	855.7	815.4
17.5°	1034.4	1034.4	1014.2	986.5	951.3	928.7	928.7	921.1	901.0	875.8	848.1
20°	1014.2	1014.2	1001.6	986.5	946.3	941.2	936.2	931.2	931.2	908.5	868.3
22.5°	989.1	984.0	989.1	963.9	936.2	941.2	948.8	946.3	938.7	918.6	890.9
25°	963.9	966.4	971.4	953.8	928.7	951.3	948.8	961.4	956.3	941.2	918.6
27.5°	961.4	966.4	968.9	951.3	941.2	961.4	971.4	984.0	986.5	971.4	943.8
30°	999.1	996.6	994.1	971.4	963.9	981.5	991.6	1009.2	1024.3	991.6	968.9
32.5°	1097.3	1082.2	1067.1	1006.7	984.0	996.6	1006.7	1031.8	1034.4	1016.7	984.0
35°	1253.3	1243.2	1192.9	1087.2	1024.3	1011.7	1021.8	1039.4	1044.4	1031.8	1006.7
37.5°	1432.0	1427.0	1356.5	1228.1	1107.3	1046.9	1036.9	1062.0	1082.2	1054.5	1019.3
40°	1608.2	1588.0	1537.7	1411.9	1213.0	1099.8	1087.2	1099.8	1107.3	1087.2	1064.6
42.5°	1766.7	1744.1	1731.5	1605.6	1351.5	1187.9	1177.8	1147.6	1170.3	1145.1	1114.9
45°	1900.1	1895.1	1890.0	1781.8	1510.0	1331.3	1323.8	1245.8	1270.9	1250.8	1208.0
47.5°	1995.7	2018.4	2010.8	1950.4	1691.2	1484.8	1462.2	1361.5	1399.3	1379.1	1336.4
50°	2109.0	2121.6	2114.0	2073.7	1859.8	1661.0	1618.2	1515.0	1557.8	1555.3	1532.7
52.5°	2209.6	2247.4	2204.6	2202.1	2101.4	1852.3	1779.3	1681.1	1751.6	1779.3	1776.8
55°	2327.9	2358.1	2345.5	2340.5	2317.9	2038.5	1973.1	1854.8	1973.1	2013.3	2048.6
57.5°	2428.6	2426.1	2473.9	2531.8	2559.5	2252.4	2174.4	2036.0	2214.7	2260.0	2358.1
60°	2473.9	2516.7	2597.2	2743.2	2821.2	2481.4	2400.9	2290.2	2458.8	2494.0	2675.2
62.5°	2504.1	2541.8	2697.9	2944.5	2989.8	2715.5	2640.0	2529.3	2725.6	2750.7	3020.0
65°	2421.0	2456.3	2765.8	3020.0	3181.1	2967.2	2949.5	2833.8	2992.3	3007.4	3382.4
67.5°	2325.4	2363.2	2707.9	3115.6	3435.3	3301.9	3274.2	3135.8	3256.6	3239.0	3659.3
70°	2156.8	2207.1	2559.5	3198.7	3717.1	3770.0	3714.6	3518.3	3530.9	3364.8	3671.8
72.5°	1643.4	1676.1	2003.3	2869.0	3848.0	4419.3	4323.7	3931.1	3787.6	3390.0	3241.5
75°	780.2	840.6	1117.4	1897.6	3372.4	4449.5	4512.4	4134.9	3651.7	3007.4	2297.7
77.5°	226.5	226.5	339.8	805.3	2114.0	3586.3	3704.6	3510.8	3012.5	2227.3	1208.0
80°	123.3	130.9	178.7	284.4	928.7	2262.5	2433.6	2327.9	1774.3	880.8	312.1
82.5°	70.5	73.0	118.3	171.1	422.8	1230.7	1331.3	1208.0	674.5	266.8	146.0
85°	40.3	42.8	68.0	113.3	251.7	453.0	493.3	427.8	271.8	178.7	73.0
87.5°	20.1	20.1	32.7	52.9	128.4	128.4	125.8	153.5	163.6	108.2	32.7
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°	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4	732.4
2.5°	732.4	729.8	729.8	719.8	717.3	709.7	709.7	704.7	702.2	709.7	709.7
5°	734.9	722.3	719.8	709.7	712.2	707.2	717.3	712.2	709.7	709.7	707.2
7.5°	739.9	727.3	717.3	709.7	707.2	714.7	727.3	727.3	742.4	734.9	734.9
10°	752.5	744.9	732.4	727.3	727.3	734.9	750.0	760.0	772.6	772.6	765.1
12.5°	782.7	770.1	755.0	747.5	757.5	765.1	780.2	790.2	805.3	810.4	805.3
15°	805.3	792.8	787.7	782.7	790.2	800.3	812.9	823.0	840.6	845.6	843.1
17.5°	835.5	820.4	817.9	820.4	825.5	833.0	840.6	848.1	860.7	860.7	860.7
20°	850.6	845.6	843.1	850.6	860.7	870.8	865.7	860.7	858.2	863.2	860.7
22.5°	878.3	873.3	875.8	883.4	883.4	878.3	870.8	853.2	848.1	853.2	848.1
25°	903.5	898.5	898.5	893.4	890.9	873.3	858.2	843.1	825.5	833.0	830.5
27.5°	928.7	926.1	926.1	906.0	880.8	850.6	830.5	812.9	802.8	815.4	807.9
30°	958.9	961.4	948.8	901.0	840.6	807.9	785.2	782.7	780.2	787.7	785.2
32.5°	986.5	989.1	968.9	893.4	810.4	747.5	724.8	727.3	739.9	752.5	765.1
35°	1001.6	1014.2	989.1	868.3	750.0	679.5	654.3	677.0	699.6	717.3	729.8
37.5°	1029.3	1062.0	1019.3	840.6	697.1	619.1	601.5	609.0	636.7	664.4	677.0
40°	1069.6	1107.3	1026.8	787.7	626.7	558.7	548.6	551.2	561.2	578.8	591.4
42.5°	1140.1	1180.3	1034.4	719.8	556.2	521.0	493.3	485.7	478.2	478.2	475.7
45°	1243.2	1281.0	1024.3	634.2	485.7	460.6	440.4	422.8	402.7	370.0	375.0
47.5°	1394.2	1424.4	1031.8	558.7	420.3	400.2	385.1	364.9	334.7	299.5	297.0
50°	1623.3	1578.0	1021.8	480.7	372.5	354.9	342.3	314.6	279.4	254.2	251.7
52.5°	1890.0	1799.4	1011.7	415.3	332.2	317.1	307.0	276.8	244.1	231.5	229.0
55°	2212.2	2081.3	1026.8	357.4	302.0	289.4	279.4	251.7	226.5	216.4	213.9
57.5°	2592.2	2385.8	1109.9	312.1	269.3	264.3	261.7	239.1	216.4	208.9	206.4
60°	2949.5	2677.7	1165.2	279.4	239.1	244.1	249.2	239.1	213.9	208.9	208.9
62.5°	3249.0	2919.3	1077.1	251.7	224.0	239.1	261.7	254.2	244.1	249.2	244.1
65°	3513.3	3002.4	805.3	236.6	216.4	251.7	289.4	286.9	264.3	269.3	266.8
67.5°	3558.6	2901.7	526.0	224.0	211.4	276.8	324.7	294.5	249.2	249.2	241.6
70°	3369.8	2632.4	352.3	211.4	208.9	276.8	332.2	276.8	234.1	234.1	224.0
72.5°	2765.8	2103.9	271.8	198.8	191.3	246.6	314.6	261.7	219.0	213.9	196.3
75°	1817.0	1356.5	221.5	188.8	166.1	216.4	284.4	241.6	208.9	193.8	186.2
77.5°	890.9	609.0	186.2	166.1	143.5	188.8	259.2	229.0	196.3	181.2	176.2
80°	244.1	219.0	156.0	146.0	120.8	163.6	244.1	219.0	183.7	168.6	161.1
82.5°	138.4	135.9	125.8	118.3	100.7	163.6	246.6	219.0	173.7	171.1	146.0
85°	75.5	80.5	90.6	88.1	78.0	146.0	234.1	191.3	140.9	118.3	118.3
87.5°	30.2	37.8	45.3	50.3	52.9	108.2	176.2	146.0	108.2	90.6	90.6
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)