

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: P674837

Luminaire Tested: **CCW-SA-1D-740-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674837
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-740-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5563 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

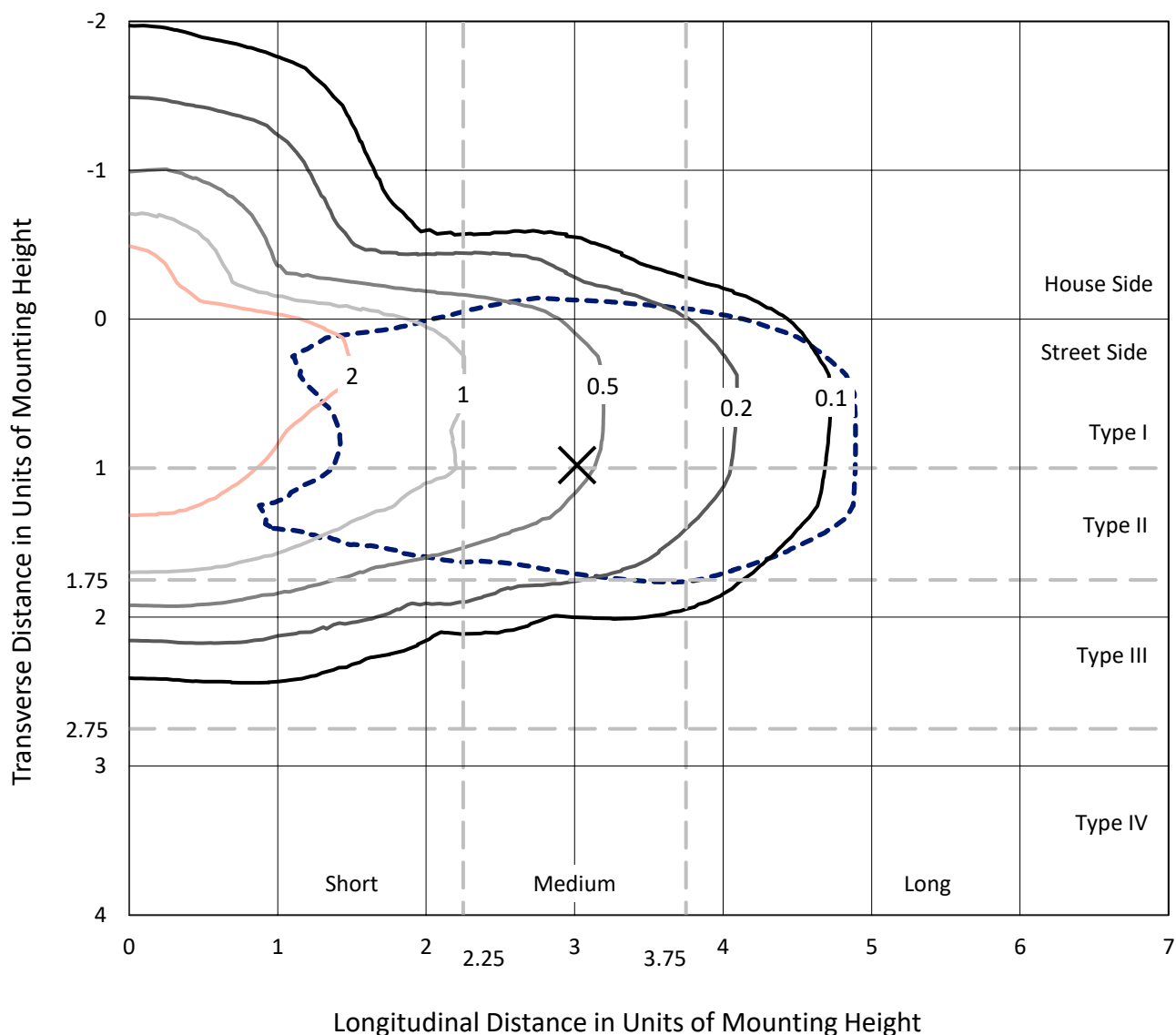
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

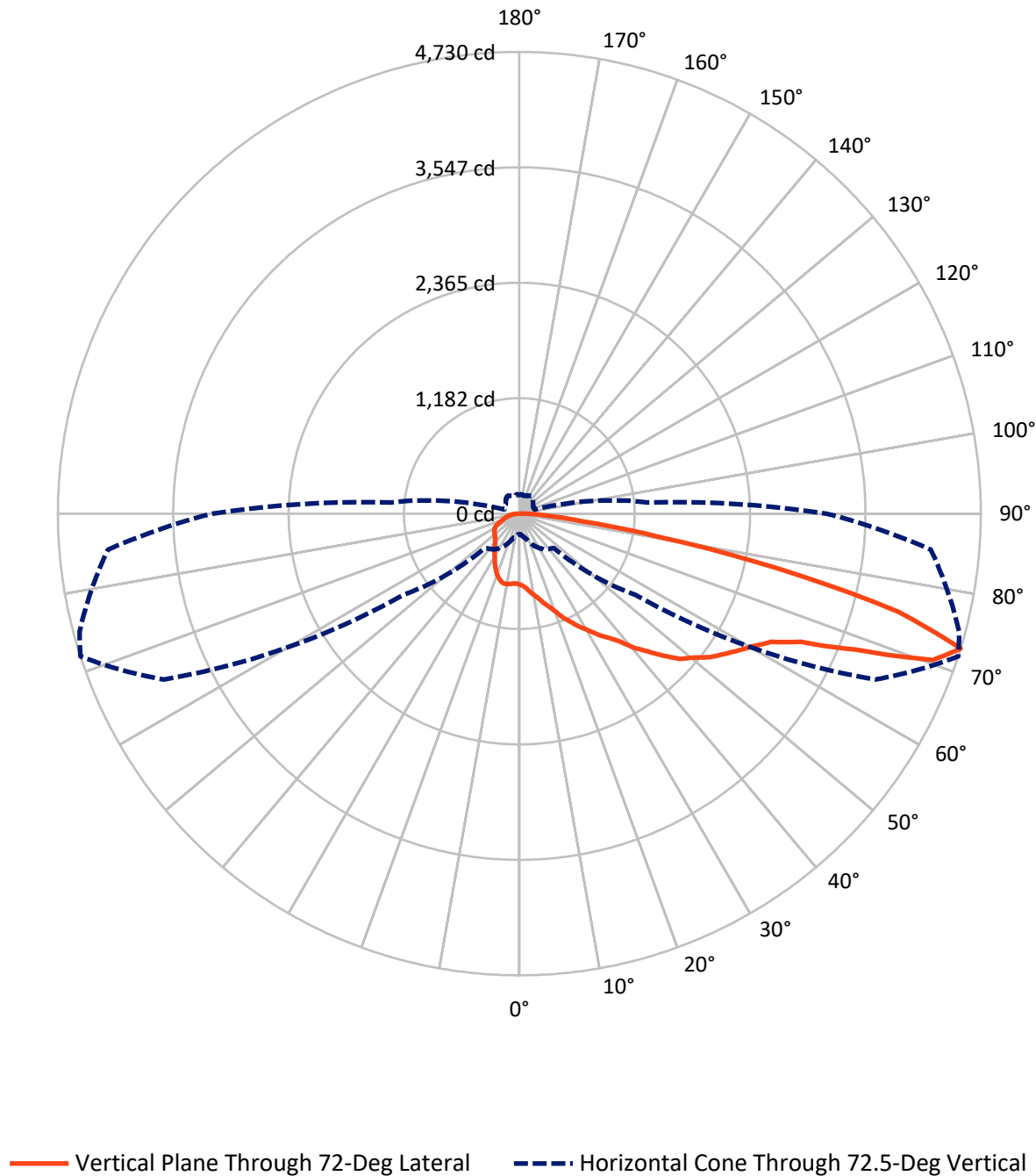
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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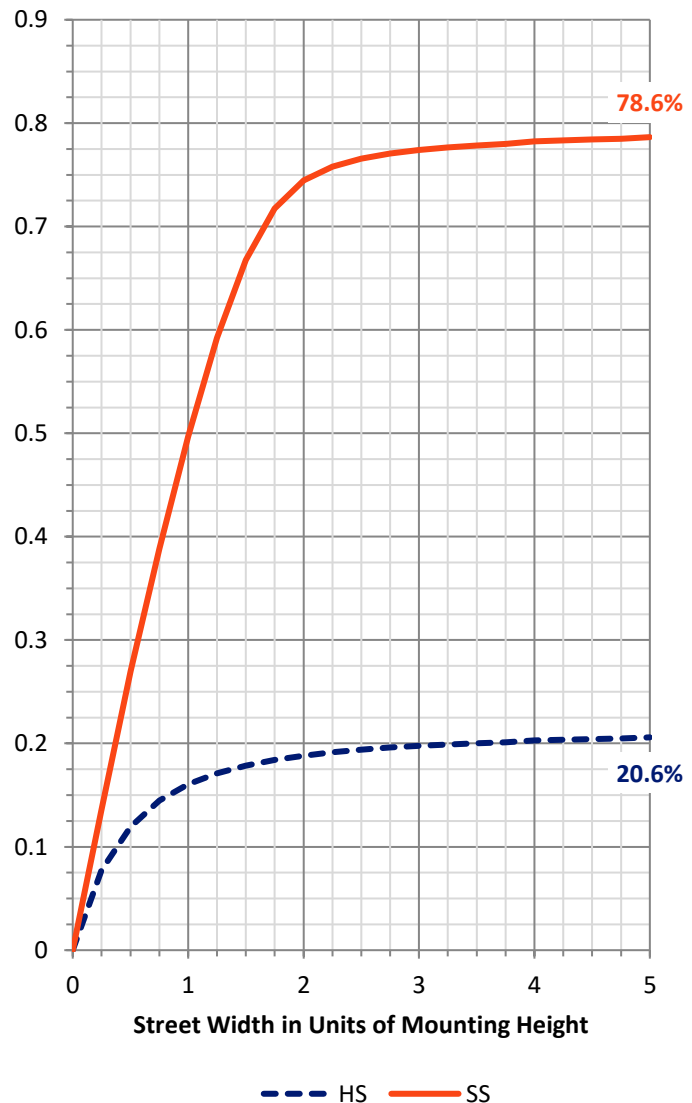
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1170.8	0.0	1170.8
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4392.2	0.0	4392.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	5563.0	0.0	5563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	1.3
10°-20°	223.2	4.0
20°-30°	386.3	6.9
30°-40°	570.6	10.3
40°-50°	848.5	15.3
50°-60°	1163.3	20.9
60°-70°	1261.8	22.7
70°-80°	889.6	16.0
80°-90°	147.8	2.7
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°	5563.0	100.0
0°-180°	5563.0	100.0

Coefficient of Utilization



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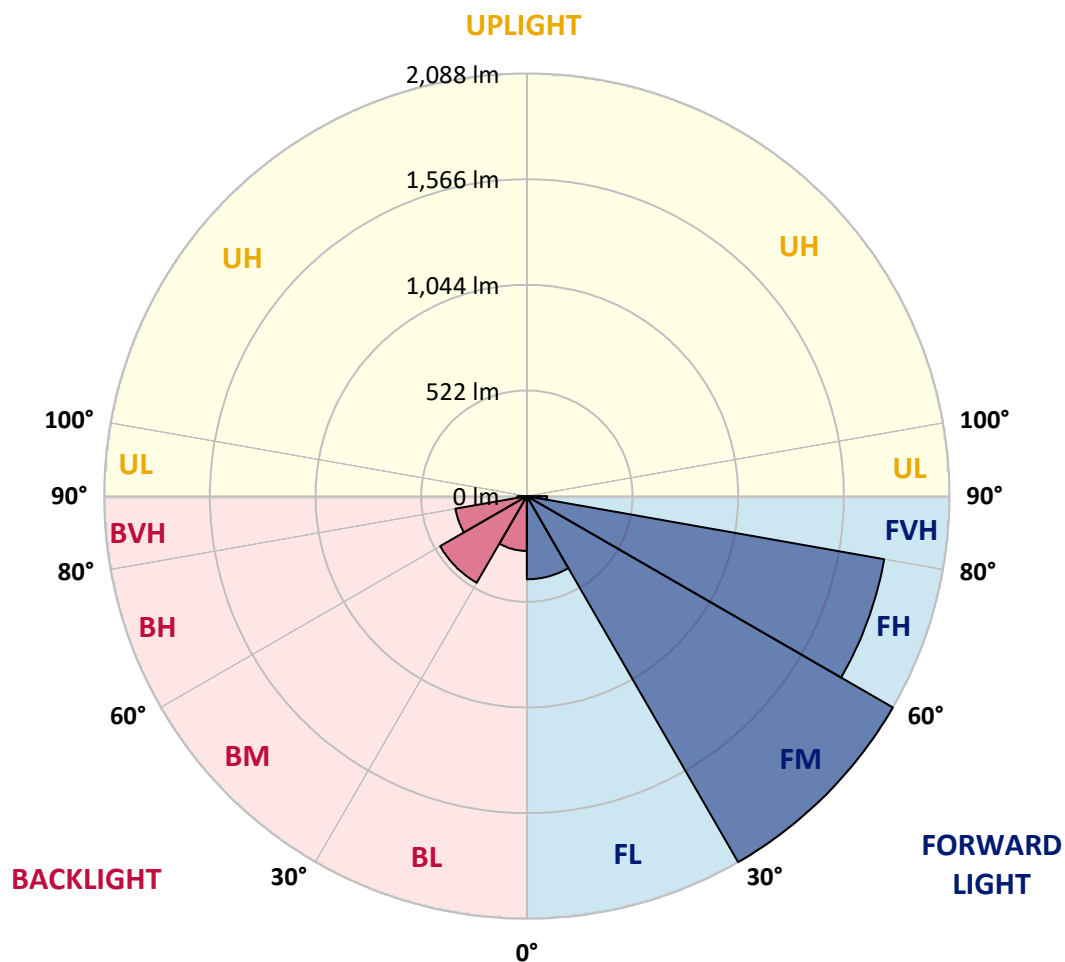
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	410.8	7.4			
FM	(30°-60°)	2087.9	37.5			
FH	(60°-80°)	1792.8	32.2			G1/1800
FVH	(80°-90°)	100.8	1.8			G2/225
BL	(0°-30°)	270.6	4.9	B1/500		
BM	(30°-60°)	494.5	8.9	B1/1000		
BH	(60°-80°)	358.6	6.4	B1/500		G1/500
BVH	(80°-90°)	47.0	0.8			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7
2.5°	784.2	784.2	778.0	775.9	775.9	759.5	761.6	751.3	743.1	743.1	734.9
5°	825.2	821.1	821.1	821.1	810.8	804.7	802.6	784.2	769.8	771.8	747.2
7.5°	835.5	837.5	839.6	849.8	843.7	847.8	843.7	823.2	812.9	802.6	780.1
10°	841.6	845.7	845.7	860.1	860.1	870.4	876.5	868.3	849.8	839.6	802.6
12.5°	856.0	849.8	858.1	868.3	878.6	897.1	915.5	907.3	895.0	882.7	841.6
15°	856.0	858.1	864.2	880.6	897.1	915.5	948.4	960.7	954.5	932.0	888.8
17.5°	831.4	825.2	854.0	884.7	915.5	938.1	981.2	1010.0	1005.9	997.6	932.0
20°	833.4	839.6	849.8	876.5	925.8	966.9	1020.2	1067.4	1077.7	1073.6	989.4
22.5°	870.4	872.4	882.7	895.0	934.0	987.4	1067.4	1143.4	1161.9	1151.6	1053.1
25°	907.3	923.7	923.7	932.0	946.3	1001.8	1098.2	1205.0	1231.7	1233.7	1118.8
27.5°	966.9	971.0	983.3	987.4	999.7	1032.5	1133.1	1250.1	1311.7	1303.5	1178.3
30°	1036.6	1038.7	1046.9	1042.8	1044.9	1085.9	1166.0	1301.5	1385.6	1387.7	1241.9
32.5°	1118.8	1135.2	1139.3	1112.6	1116.7	1127.0	1217.3	1363.0	1478.0	1463.6	1297.3
35°	1239.9	1246.0	1233.7	1221.4	1190.6	1184.4	1270.7	1424.6	1558.1	1574.5	1379.5
37.5°	1389.7	1406.1	1389.7	1324.0	1291.2	1266.6	1336.4	1492.4	1654.5	1710.0	1461.6
40°	1529.3	1527.3	1510.8	1451.3	1393.8	1375.4	1430.8	1586.8	1804.4	1857.8	1580.6
42.5°	1642.2	1636.1	1625.8	1580.6	1527.3	1496.5	1539.6	1685.3	1929.6	2032.2	1718.2
45°	1740.7	1732.5	1734.6	1683.3	1632.0	1648.4	1648.4	1798.2	2077.4	2204.7	1876.2
47.5°	1833.1	1837.2	1831.1	1792.1	1753.1	1796.2	1773.6	1927.5	2223.1	2364.8	2009.7
50°	1939.9	1948.1	1927.5	1902.9	1868.0	1911.1	1882.4	2048.7	2317.6	2510.5	2169.8
52.5°	2040.5	2048.7	2067.1	2036.3	2001.4	2036.3	1970.7	2161.6	2442.8	2652.2	2292.9
55°	2065.1	2061.0	2163.6	2196.5	2214.9	2110.2	2048.7	2258.0	2541.3	2742.5	2432.5
57.5°	1952.2	1962.4	2102.0	2196.5	2393.5	2303.2	2136.9	2370.9	2644.0	2861.6	2561.9
60°	1671.0	1677.1	1851.6	2075.3	2362.7	2483.8	2375.1	2516.7	2756.9	2962.1	2707.6
62.5°	1116.7	1163.9	1381.5	1732.5	2145.1	2533.1	2754.8	2763.0	2894.4	3089.4	2906.7
65°	589.1	611.7	782.1	1065.4	1625.8	2362.7	3112.0	3251.6	3169.5	3323.4	3194.1
67.5°	385.9	394.1	486.5	646.6	938.1	1724.3	3153.1	4099.4	3721.7	3768.9	3653.9
70°	287.4	291.5	359.2	478.3	580.9	921.7	2584.4	4495.6	4493.5	4368.3	4200.0
72.5°	211.4	217.6	264.8	365.4	447.5	496.8	1453.4	4021.4	4729.6	4665.9	4232.8
75°	166.3	170.4	195.0	283.3	361.3	326.4	736.9	2978.6	4011.1	4317.0	3873.6
77.5°	135.5	139.6	154.0	205.3	289.4	252.5	353.1	1921.4	2719.9	3107.9	2964.2
80°	112.9	112.9	123.2	145.7	223.8	190.9	209.4	1079.8	1465.7	1617.6	1344.6
82.5°	96.5	94.4	102.6	106.7	166.3	137.5	135.5	488.6	644.6	683.6	505.0
85°	61.6	63.6	96.5	92.4	108.8	94.4	76.0	232.0	303.8	310.0	188.9
87.5°	24.6	24.6	41.1	51.3	61.6	57.5	36.9	104.7	133.4	133.4	53.4
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°	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7	726.7
2.5°	732.8	724.6	718.5	714.4	704.1	693.8	695.9	693.8	685.6	681.5	681.5
5°	741.0	732.8	722.6	706.2	695.9	683.6	687.7	679.5	671.3	677.4	667.1
7.5°	761.6	747.2	732.8	708.2	691.8	673.3	665.1	661.0	654.8	650.7	650.7
10°	790.3	769.8	743.1	706.2	679.5	650.7	646.6	638.4	632.3	632.3	630.2
12.5°	819.1	796.5	751.3	691.8	646.6	626.1	624.0	626.1	630.2	632.3	634.3
15°	856.0	819.1	749.3	665.1	619.9	611.7	622.0	630.2	638.4	646.6	644.6
17.5°	890.9	847.8	730.8	632.3	597.4	599.4	617.9	634.3	650.7	658.9	661.0
20°	938.1	874.5	704.1	593.2	574.8	593.2	617.9	638.4	656.9	667.1	669.2
22.5°	991.5	905.3	669.2	558.4	556.3	574.8	599.4	630.2	650.7	669.2	667.1
25°	1038.7	925.8	624.0	529.6	533.7	546.0	574.8	607.6	628.1	648.7	642.5
27.5°	1069.5	929.9	576.8	509.1	509.1	521.4	548.1	568.6	587.1	603.5	605.6
30°	1104.4	921.7	523.5	482.4	482.4	498.8	509.1	521.4	531.7	535.8	539.9
32.5°	1145.4	903.2	490.6	461.9	461.9	474.2	480.3	476.2	474.2	463.9	470.1
35°	1184.4	876.5	453.7	435.2	443.4	449.6	447.5	435.2	422.9	404.4	398.2
37.5°	1231.7	849.8	420.8	406.4	420.8	422.9	422.9	408.5	392.1	369.5	369.5
40°	1303.5	829.3	394.1	388.0	402.3	400.3	390.0	379.8	385.9	373.6	373.6
42.5°	1379.5	821.1	369.5	371.6	377.7	379.8	369.5	357.2	381.8	367.4	369.5
45°	1473.9	827.3	353.1	351.0	365.4	363.3	357.2	346.9	355.1	318.2	307.9
47.5°	1562.2	839.6	344.9	336.7	353.1	357.2	349.0	326.4	314.1	291.5	287.4
50°	1642.2	866.3	336.7	320.2	336.7	344.9	330.5	305.9	291.5	277.1	277.1
52.5°	1718.2	905.3	332.5	301.8	316.1	326.4	318.2	293.5	277.1	271.0	264.8
55°	1796.2	940.2	326.4	289.4	293.5	314.1	312.0	279.2	262.8	262.8	260.7
57.5°	1907.0	987.4	318.2	268.9	277.1	299.7	299.7	273.0	254.5	256.6	258.6
60°	2019.9	1042.8	310.0	248.4	254.5	285.3	289.4	264.8	248.4	250.4	248.4
62.5°	2200.6	1145.4	293.5	223.8	236.1	266.9	277.1	254.5	240.2	244.3	244.3
65°	2473.6	1322.0	258.6	203.2	217.6	250.4	264.8	244.3	227.9	240.2	236.1
67.5°	2912.9	1564.2	217.6	186.8	205.3	234.0	250.4	232.0	217.6	236.1	229.9
70°	3307.0	1683.3	186.8	172.4	186.8	215.5	234.0	219.6	205.3	223.8	215.5
72.5°	3146.9	1319.9	162.2	156.0	170.4	195.0	217.6	203.2	188.9	199.1	190.9
75°	2715.8	1051.0	141.6	139.6	151.9	176.5	199.1	188.9	174.5	178.6	174.5
77.5°	2058.9	868.3	121.1	119.1	129.3	158.1	178.6	170.4	156.0	154.0	154.0
80°	919.6	427.0	100.6	100.6	106.7	135.5	151.9	147.8	133.4	131.4	129.3
82.5°	301.8	162.2	82.1	78.0	86.2	112.9	135.5	131.4	117.0	112.9	108.8
85°	121.1	78.0	59.5	59.5	67.7	94.4	121.1	112.9	94.4	84.2	84.2
87.5°	41.1	32.8	30.8	30.8	43.1	63.6	90.3	76.0	67.7	59.5	61.6
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)