

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: P671021

Luminaire Tested: **CCP-SA-2C-835-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671021  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-835-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT distribution lens  
Light Source: (32) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

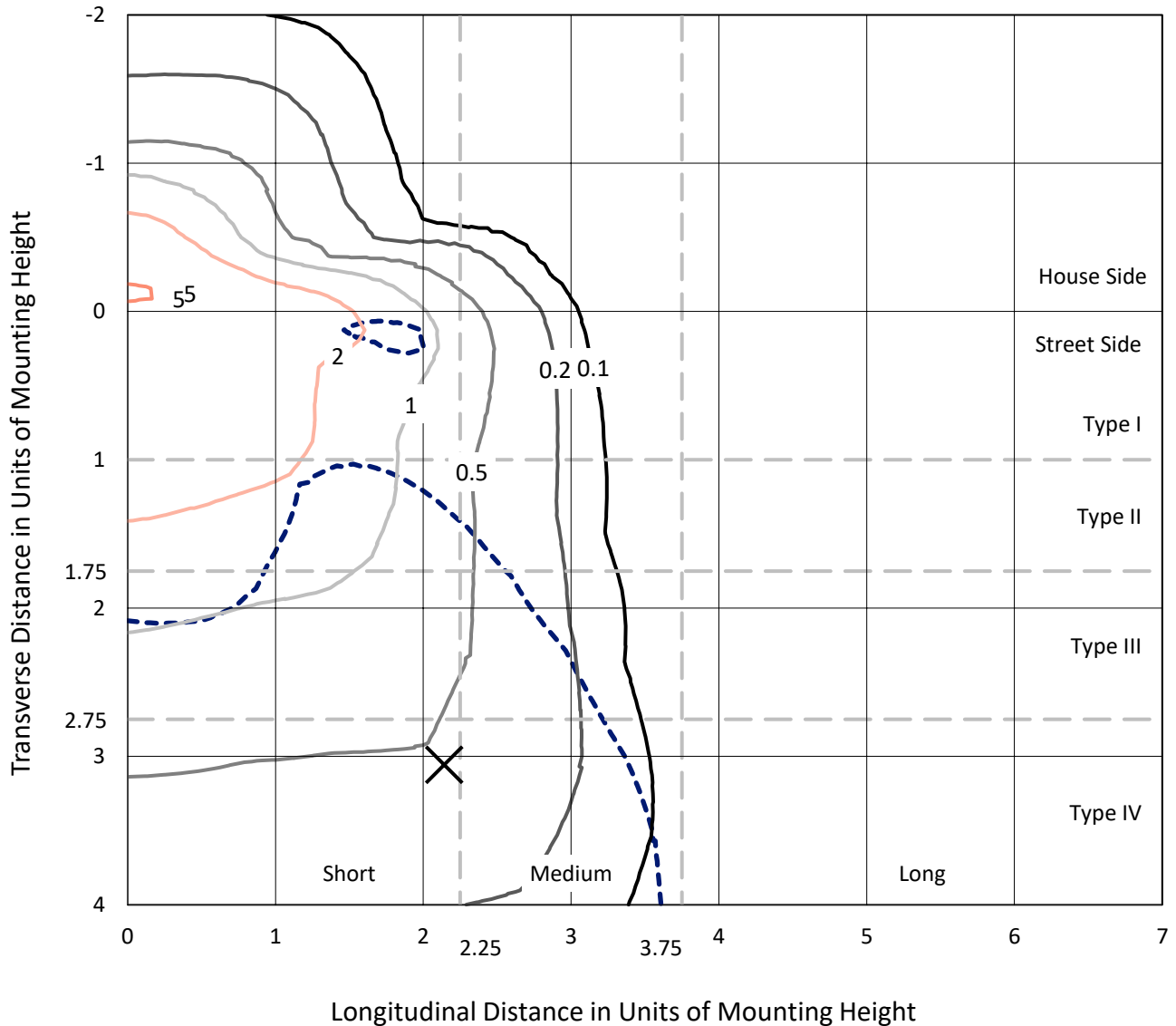
Lumens per Lamp: N/A  
Luminaire Lumens: 7445.6 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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

REPORT NUMBER: P671021  
 CATALOG NUMBER: CCP-SA-2C-835-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

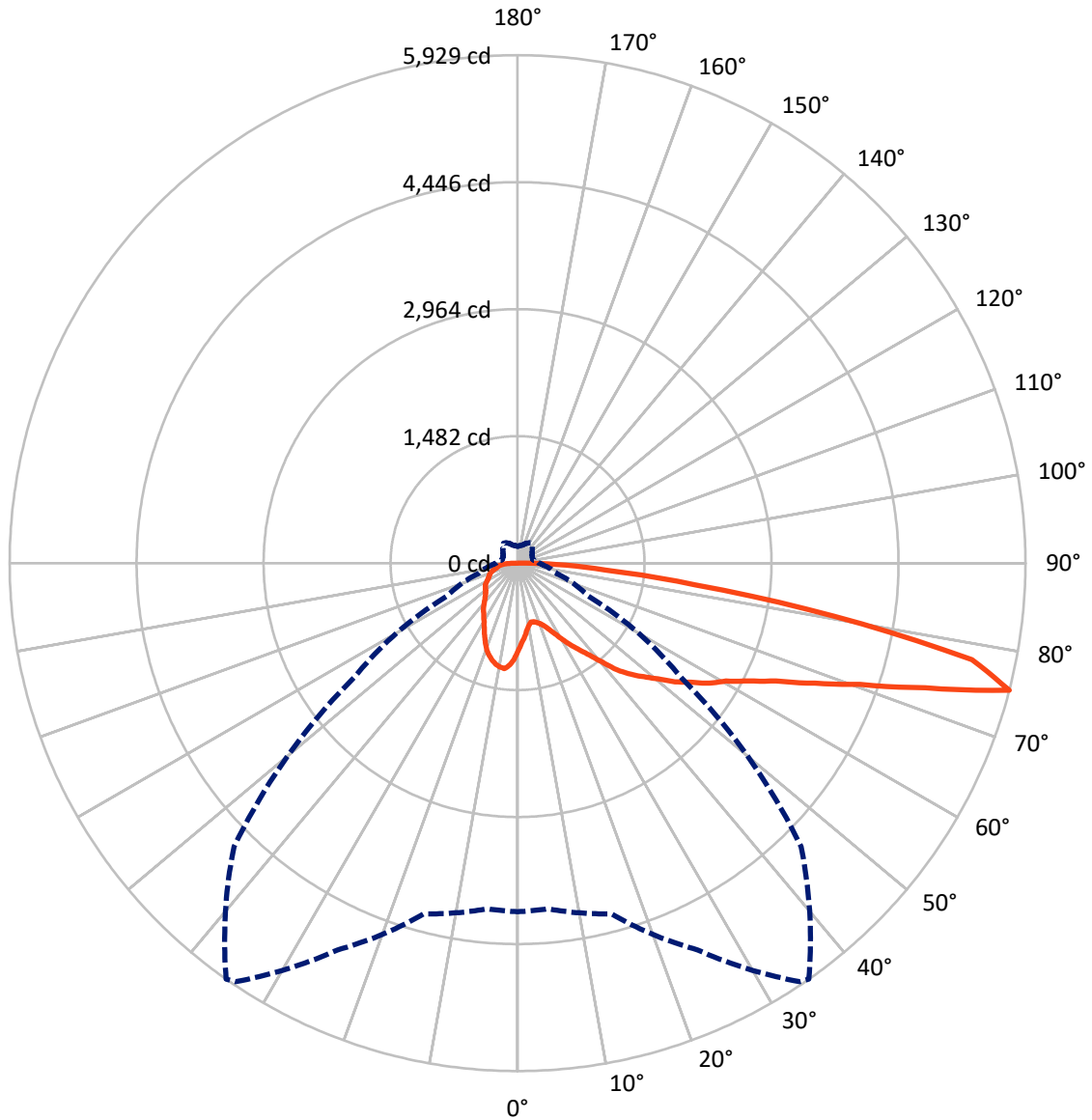
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P671021  
CATALOG NUMBER: CCP-SA-2C-835-U-T4FT

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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 CATALOG NUMBER: CCP-SA-2C-835-U-T4FT

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1711.2	0.0	1711.2
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	5734.4	0.0	5734.4
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	7445.6	0.0	7445.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.2	1.3
10°-20°	282.1	3.8
20°-30°	468.1	6.3
30°-40°	693.9	9.3
40°-50°	1000.5	13.4
50°-60°	1375.9	18.5
60°-70°	1699.5	22.8
70°-80°	1554.8	20.9
80°-90°	273.7	3.7
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°	7445.6	100.0
0°-180°	7445.6	100.0



REPORT NUMBER: P671021

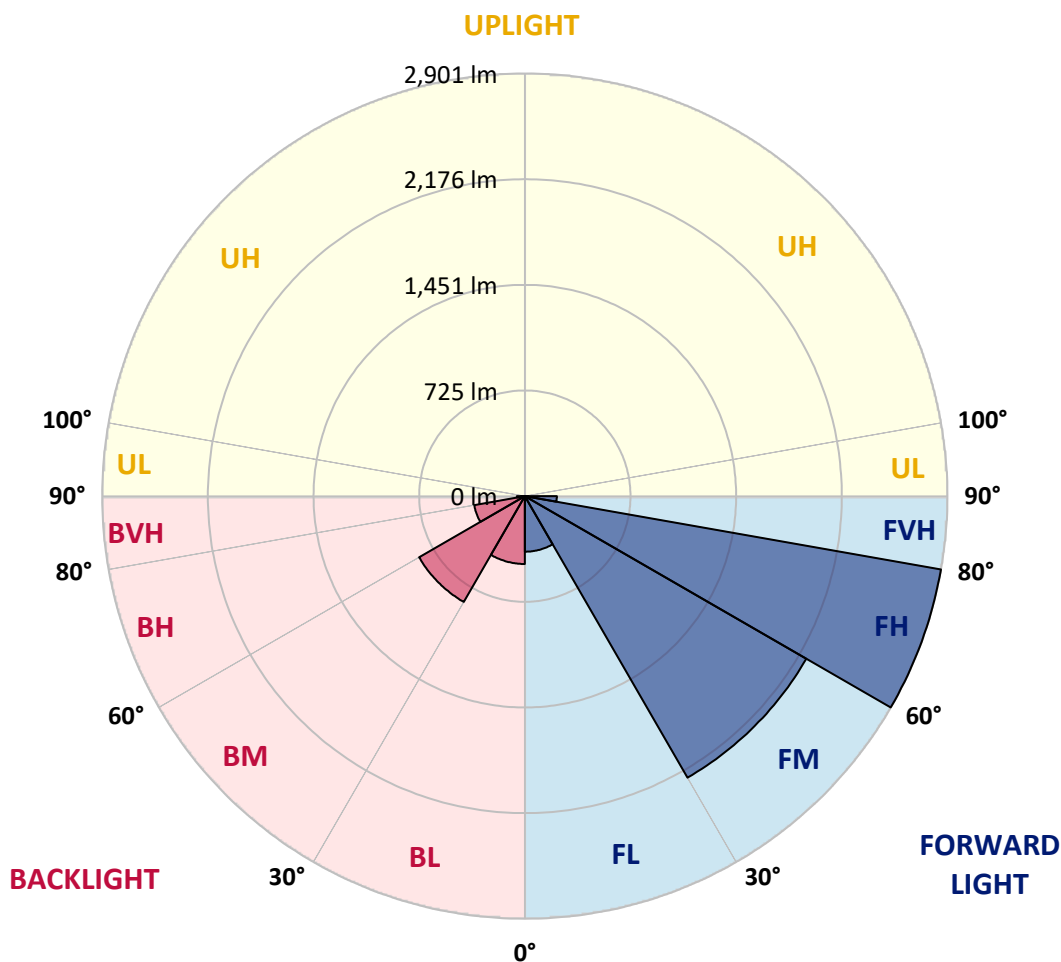
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.6	5.1			
FM (30°-60°)	2231.7	30.0			
FH (60°-80°)	2901.4	39.0			G2/5000
FVH (80°-90°)	219.7	3.0			G2/225
BL (0°-30°)	465.8	6.3	B1/500		
BM (30°-60°)	838.5	11.3	B1/1000		
BH (60°-80°)	352.9	4.7	B1/500		G1/500
BVH (80°-90°)	54.0	0.7			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 Short





REPORT NUMBER: P671021

CATALOG NUMBER: CCP-SA-2C-835-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1
2.5°	924.1	915.9	924.1	929.6	929.6	929.6	937.8	962.5	979.0	989.9	1009.1
5°	828.1	830.9	836.4	850.1	858.3	863.8	877.5	907.7	932.3	968.0	1009.1
7.5°	743.1	748.6	756.8	770.6	789.7	787.0	817.2	858.3	904.9	951.5	1011.9
10°	699.3	710.2	713.0	715.7	734.9	734.9	776.0	822.7	880.2	940.6	1011.9
12.5°	707.5	707.5	699.3	696.5	707.5	704.7	740.4	795.2	858.3	943.3	1022.8
15°	732.2	732.2	715.7	699.3	715.7	710.2	740.4	784.3	858.3	946.1	1044.8
17.5°	765.1	767.8	748.6	721.2	726.7	729.4	751.4	792.5	858.3	951.5	1074.9
20°	830.9	817.2	787.0	743.1	762.3	754.1	787.0	822.7	874.8	973.5	1118.8
22.5°	888.5	888.5	830.9	792.5	795.2	795.2	825.4	855.6	899.4	1003.6	1151.7
25°	981.7	976.2	904.9	847.3	852.8	855.6	872.0	907.7	940.6	1020.1	1192.9
27.5°	1099.6	1085.9	1014.6	948.8	926.9	935.1	943.3	970.7	979.0	1047.5	1242.2
30°	1225.8	1206.6	1146.2	1042.0	1031.1	1033.8	1020.1	1036.5	1025.6	1091.4	1291.6
32.5°	1305.3	1305.3	1247.7	1170.9	1140.7	1140.7	1094.1	1105.1	1105.1	1132.5	1379.3
35°	1373.8	1368.4	1330.0	1272.4	1253.2	1242.2	1195.6	1212.0	1184.6	1212.0	1502.7
37.5°	1478.0	1461.6	1445.1	1406.7	1368.4	1360.1	1335.4	1346.4	1308.0	1294.3	1642.6
40°	1598.7	1590.5	1574.0	1557.6	1519.2	1516.4	1489.0	1500.0	1458.8	1406.7	1782.4
42.5°	1776.9	1752.3	1700.2	1686.4	1694.7	1705.6	1694.7	1675.5	1601.4	1535.6	1933.2
45°	1955.2	1916.8	1818.1	1796.1	1859.2	1851.0	1897.6	1889.4	1768.7	1664.5	2092.3
47.5°	2070.3	2037.4	1957.9	1944.2	1971.6	1982.6	2122.5	2097.8	1905.8	1782.4	2245.8
50°	2152.6	2155.4	2051.2	2086.8	2122.5	2122.5	2298.0	2295.2	2073.1	1927.8	2446.0
52.5°	2273.3	2234.9	2191.0	2223.9	2273.3	2300.7	2517.3	2457.0	2177.3	2051.2	2670.9
55°	2336.3	2319.9	2281.5	2339.1	2443.3	2457.0	2687.3	2640.7	2295.2	2196.5	2901.2
57.5°	2361.0	2374.7	2437.8	2462.5	2607.8	2643.5	2840.9	2775.1	2404.9	2377.5	3079.5
60°	2470.7	2451.5	2536.5	2635.2	2775.1	2794.3	3032.9	2890.3	2511.8	2495.4	3137.1
62.5°	2692.8	2643.5	2690.1	2808.0	3002.7	3027.4	3235.8	3043.8	2558.5	2574.9	3134.3
65°	3016.4	2980.8	2912.2	3005.4	3279.7	3315.3	3474.3	3175.5	2544.7	2547.5	2912.2
67.5°	3397.6	3340.0	3268.7	3326.3	3660.8	3743.1	3765.0	3233.0	2448.8	2393.9	2369.2
70°	3732.1	3693.7	3647.1	3745.8	4212.0	4242.2	4127.0	3197.4	2182.8	1922.3	1579.5
72.5°	4044.7	4025.5	4052.9	4423.1	4957.9	4977.1	4467.0	2972.5	1724.8	1165.4	734.9
75°	4069.4	4050.2	4239.4	4982.6	5893.0	5928.6	4678.2	2330.9	910.4	474.4	309.9
77.5°	2755.9	2813.5	3167.2	4362.8	5413.1	5421.3	3825.3	1083.2	375.7	279.7	216.6
80°	677.3	751.4	1192.9	2256.8	3649.8	3740.3	2095.0	364.7	246.8	213.9	161.8
82.5°	246.8	268.7	485.4	1020.1	2051.2	2086.8	732.2	197.4	178.2	164.5	117.9
85°	117.9	120.7	230.3	501.8	1036.5	1025.6	263.2	117.9	128.9	112.4	71.3
87.5°	49.4	49.4	101.5	233.1	457.9	444.2	85.0	54.8	74.0	65.8	35.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671021  
 CATALOG NUMBER: CCP-SA-2C-835-U-T4FT

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1
2.5°	1022.8	1028.3	1050.3	1066.7	1083.2	1096.9	1118.8	1118.8	1132.5	1132.5	1132.5
5°	1020.1	1050.3	1085.9	1124.3	1149.0	1173.7	1195.6	1198.3	1206.6	1217.5	1220.3
7.5°	1031.1	1061.2	1118.8	1173.7	1203.8	1214.8	1242.2	1234.0	1234.0	1234.0	1242.2
10°	1053.0	1085.9	1165.4	1214.8	1236.7	1239.5	1231.2	1225.8	1209.3	1203.8	1195.6
12.5°	1069.5	1127.0	1206.6	1245.0	1236.7	1228.5	1209.3	1181.9	1162.7	1157.2	1157.2
15°	1110.6	1168.2	1242.2	1255.9	1242.2	1198.3	1173.7	1143.5	1127.0	1102.4	1113.3
17.5°	1146.2	1212.0	1277.9	1261.4	1234.0	1165.4	1129.8	1085.9	1064.0	1036.5	1036.5
20°	1192.9	1253.2	1310.8	1266.9	1206.6	1132.5	1074.9	1020.1	989.9	962.5	968.0
22.5°	1245.0	1299.8	1330.0	1245.0	1165.4	1080.4	1000.9	948.8	910.4	894.0	899.4
25°	1286.1	1346.4	1340.9	1209.3	1116.1	1014.6	926.9	877.5	869.3	852.8	852.8
27.5°	1338.2	1401.3	1332.7	1165.4	1033.8	910.4	855.6	836.4	836.4	828.1	833.6
30°	1406.7	1450.6	1313.5	1102.4	929.6	817.2	789.7	800.7	819.9	811.7	814.4
32.5°	1519.2	1513.7	1297.1	1031.1	819.9	726.7	745.9	767.8	784.3	792.5	798.0
35°	1628.9	1593.2	1277.9	935.1	718.5	682.8	699.3	723.9	754.1	762.3	765.1
37.5°	1738.5	1675.5	1245.0	817.2	655.4	644.4	660.9	674.6	699.3	704.7	710.2
40°	1853.7	1730.3	1187.4	702.0	603.3	603.3	614.2	617.0	630.7	638.9	644.4
42.5°	1955.2	1782.4	1083.2	595.1	548.4	567.6	570.4	564.9	553.9	559.4	562.1
45°	2078.6	1840.0	962.5	518.3	507.3	532.0	537.5	515.5	496.3	485.4	479.9
47.5°	2199.2	1900.3	858.3	455.2	468.9	507.3	507.3	482.6	449.7	422.3	411.3
50°	2308.9	1960.7	773.3	416.8	430.5	488.1	493.6	447.0	411.3	378.4	372.9
52.5°	2492.6	2062.1	685.5	386.6	408.6	474.4	471.7	430.5	383.9	348.3	345.5
55°	2654.4	2163.6	570.4	356.5	386.6	455.2	463.4	414.1	351.0	318.1	312.6
57.5°	2772.3	2188.3	455.2	326.3	364.7	433.3	444.2	381.2	329.1	301.6	298.9
60°	2794.3	2092.3	370.2	301.6	334.5	403.1	411.3	362.0	312.6	290.7	285.2
62.5°	2692.8	1908.6	315.4	279.7	309.9	372.9	389.4	340.0	296.2	277.0	274.2
65°	2462.5	1639.8	277.0	260.5	293.4	351.0	370.2	323.6	282.4	266.0	263.2
67.5°	1949.7	1258.7	246.8	246.8	271.5	329.1	356.5	312.6	268.7	257.8	255.0
70°	1275.1	756.8	224.9	227.6	255.0	309.9	340.0	298.9	252.3	249.5	244.1
72.5°	548.4	348.3	200.2	208.4	230.3	277.0	315.4	279.7	233.1	224.9	216.6
75°	252.3	211.1	181.0	186.5	205.7	244.1	285.2	257.8	216.6	202.9	194.7
77.5°	178.2	153.6	150.8	161.8	175.5	211.1	252.3	241.3	200.2	189.2	183.7
80°	131.6	117.9	126.1	137.1	145.3	194.7	238.6	222.1	183.7	167.3	159.0
82.5°	93.2	87.7	98.7	109.7	117.9	170.0	219.4	194.7	153.6	139.9	126.1
85°	54.8	57.6	68.6	74.0	82.3	126.1	183.7	156.3	117.9	90.5	87.7
87.5°	24.7	24.7	32.9	35.6	41.1	74.0	123.4	98.7	74.0	57.6	54.8
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)