

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: P671165

Luminaire Tested: **CCP-SA-2C-835-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671165
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-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

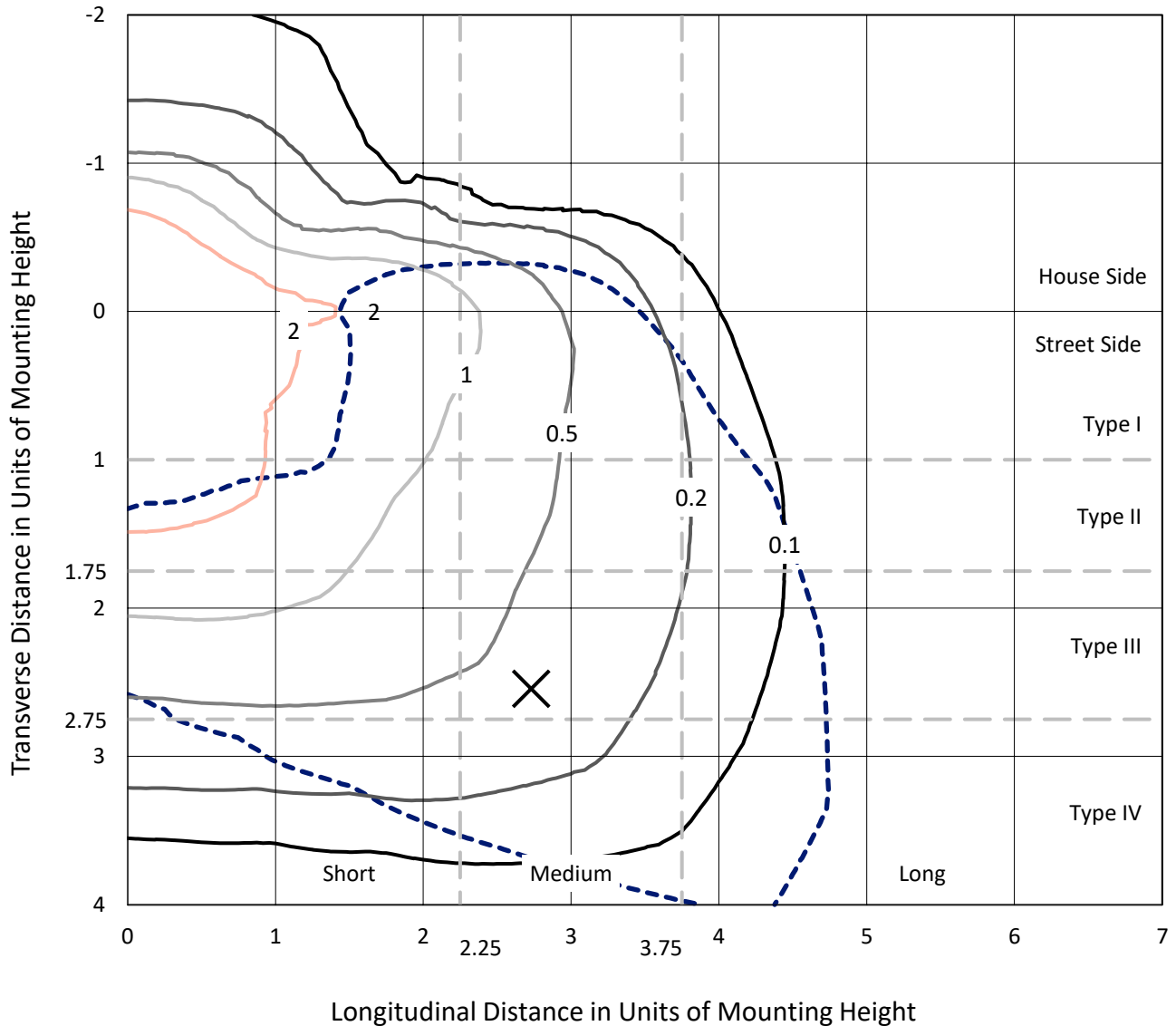
Lumens per Lamp: N/A
Luminaire Lumens: 7516 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

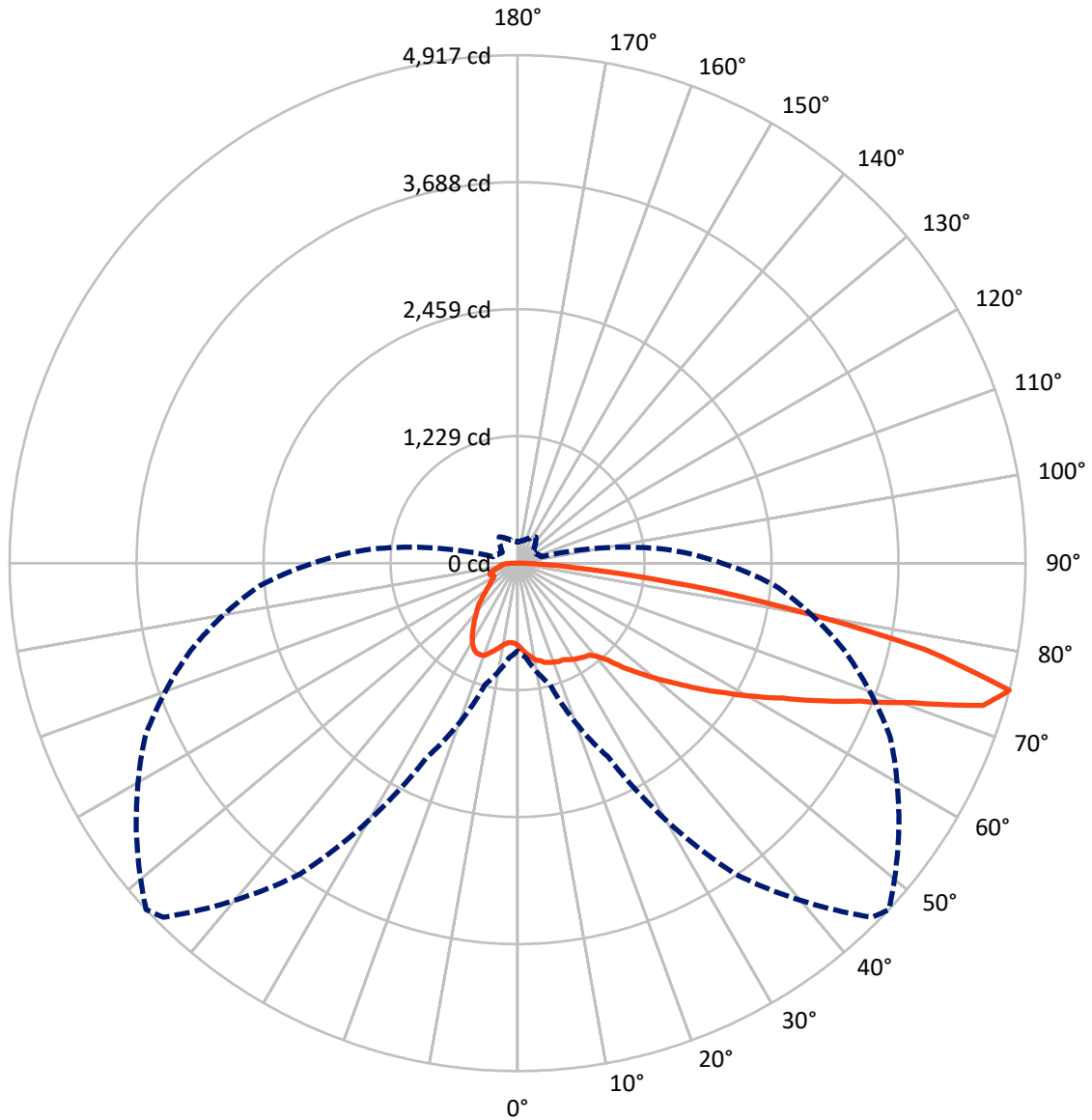
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1797.4	0.0	1797.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5718.5	0.0	5718.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	7516.0	0.0	7516.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	1.1
10°-20°	267.9	3.6
20°-30°	458.9	6.1
30°-40°	642.1	8.5
40°-50°	895.2	11.9
50°-60°	1338.1	17.8
60°-70°	1929.3	25.7
70°-80°	1642.2	21.8
80°-90°	261.6	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°	7516.0	100.0
0°-180°	7516.0	100.0

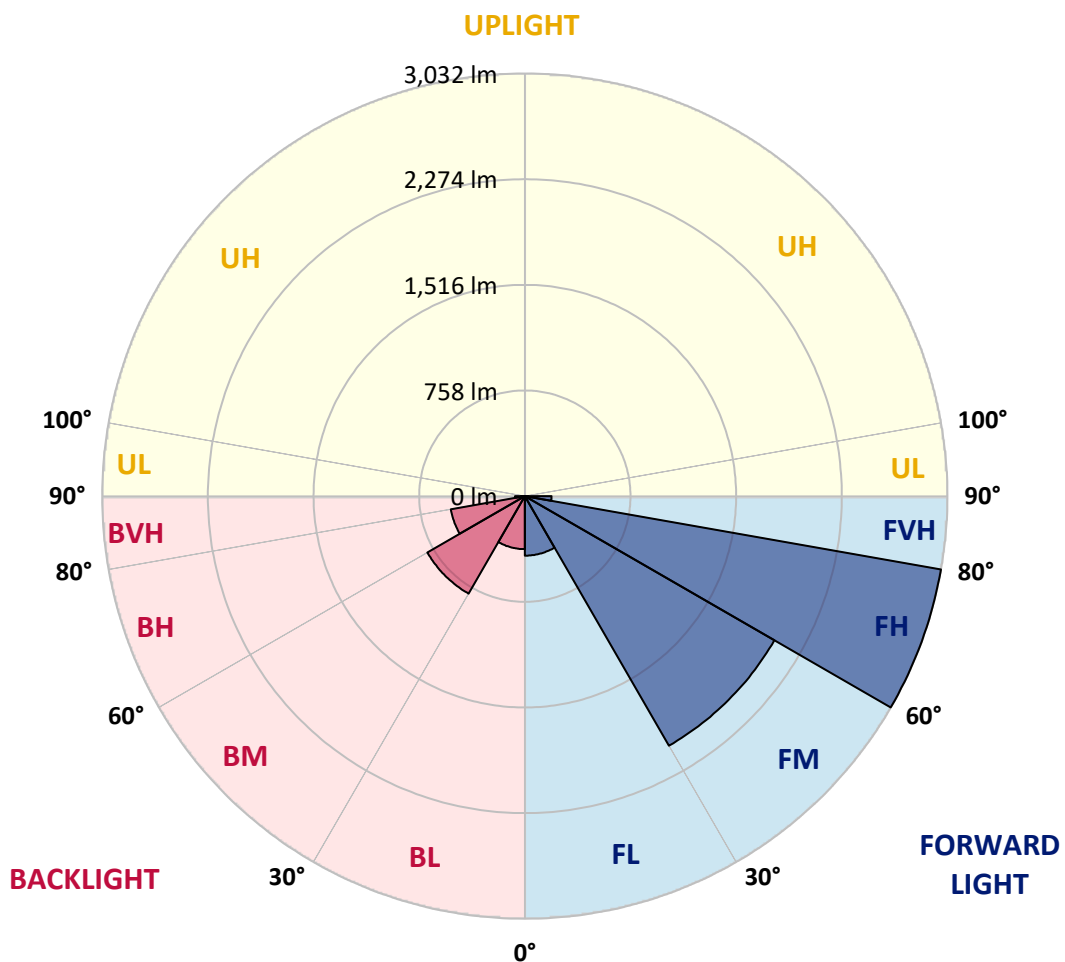


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.0	5.7			
FM (30°-60°)	2067.6	27.5			
FH (60°-80°)	3032.2	40.3			G2/5000
FVH (80°-90°)	191.7	2.6			G2/225
BL (0°-30°)	380.4	5.1	B1/500		
BM (30°-60°)	807.8	10.7	B1/1000		
BH (60°-80°)	539.2	7.2	B2/1000		G2/1000
BVH (80°-90°)	69.9	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0
2.5°	855.6	858.4	858.4	852.9	847.4	836.4	836.4	825.5	820.0	806.3	800.8
5°	935.2	926.9	918.7	916.0	902.2	883.0	880.3	869.3	839.2	825.5	806.3
7.5°	992.7	990.0	987.3	976.3	951.6	921.4	913.2	896.8	866.6	839.2	817.2
10°	1039.4	1050.3	1039.4	1014.7	990.0	957.1	954.4	924.2	896.8	863.9	836.4
12.5°	1091.5	1094.2	1075.0	1044.9	1006.5	979.0	968.1	957.1	926.9	899.5	858.4
15°	1127.1	1121.6	1107.9	1066.8	1022.9	995.5	998.2	984.5	951.6	932.4	888.5
17.5°	1127.1	1127.1	1105.2	1075.0	1036.6	1011.9	1011.9	1003.7	981.8	954.4	924.2
20°	1105.2	1105.2	1091.5	1075.0	1031.1	1025.7	1020.2	1014.7	1014.7	990.0	946.1
22.5°	1077.8	1072.3	1077.8	1050.3	1020.2	1025.7	1033.9	1031.1	1022.9	1001.0	970.8
25°	1050.3	1053.1	1058.6	1039.4	1011.9	1036.6	1033.9	1047.6	1042.1	1025.7	1001.0
27.5°	1047.6	1053.1	1055.8	1036.6	1025.7	1047.6	1058.6	1072.3	1075.0	1058.6	1028.4
30°	1088.7	1086.0	1083.2	1058.6	1050.3	1069.5	1080.5	1099.7	1116.2	1080.5	1055.8
32.5°	1195.7	1179.2	1162.8	1097.0	1072.3	1086.0	1097.0	1124.4	1127.1	1107.9	1072.3
35°	1365.7	1354.7	1299.9	1184.7	1116.2	1102.4	1113.4	1132.6	1138.1	1124.4	1097.0
37.5°	1560.4	1554.9	1478.1	1338.3	1206.7	1140.8	1129.9	1157.3	1179.2	1149.1	1110.7
40°	1752.4	1730.4	1675.6	1538.5	1321.8	1198.4	1184.7	1198.4	1206.7	1184.7	1160.0
42.5°	1925.2	1900.5	1886.8	1749.6	1472.7	1294.4	1283.4	1250.5	1275.2	1247.8	1214.9
45°	2070.5	2065.0	2059.5	1941.6	1645.4	1450.7	1442.5	1357.5	1384.9	1363.0	1316.3
47.5°	2174.7	2199.4	2191.2	2125.4	1842.9	1618.0	1593.3	1483.6	1524.8	1502.8	1456.2
50°	2298.1	2311.8	2303.6	2259.7	2026.6	1810.0	1763.4	1650.9	1697.5	1694.8	1670.1
52.5°	2407.8	2449.0	2402.3	2399.6	2289.9	2018.4	1938.9	1831.9	1908.7	1938.9	1936.1
55°	2536.7	2569.6	2555.9	2550.4	2525.7	2221.3	2150.0	2021.1	2150.0	2193.9	2232.3
57.5°	2646.4	2643.7	2695.8	2758.8	2789.0	2454.4	2369.4	2218.6	2413.3	2462.7	2569.6
60°	2695.8	2742.4	2830.1	2989.2	3074.2	2704.0	2616.2	2495.6	2679.3	2717.7	2915.2
62.5°	2728.7	2769.8	2939.8	3208.6	3258.0	2959.0	2876.8	2756.1	2970.0	2997.4	3290.9
65°	2638.2	2676.6	3013.9	3290.9	3466.4	3233.3	3214.1	3087.9	3260.7	3277.2	3685.8
67.5°	2534.0	2575.1	2950.8	3395.1	3743.4	3598.0	3567.8	3417.0	3548.7	3529.5	3987.4
70°	2350.2	2405.1	2789.0	3485.6	4050.5	4108.1	4047.8	3833.9	3847.6	3666.6	4001.1
72.5°	1790.8	1826.4	2182.9	3126.3	4193.1	4815.6	4711.4	4283.6	4127.3	3694.0	3532.2
75°	850.1	916.0	1217.6	2067.8	3674.8	4848.5	4917.1	4505.7	3979.2	3277.2	2503.8
77.5°	246.8	246.8	370.2	877.6	2303.6	3907.9	4036.8	3825.6	3282.6	2427.0	1316.3
80°	134.4	142.6	194.7	309.9	1011.9	2465.4	2651.9	2536.7	1933.4	959.8	340.1
82.5°	76.8	79.5	128.9	186.5	460.7	1341.0	1450.7	1316.3	735.0	290.7	159.1
85°	43.9	46.6	74.0	123.4	274.2	493.6	537.5	466.2	296.2	194.7	79.5
87.5°	21.9	21.9	35.7	57.6	139.9	139.9	137.1	167.3	178.3	117.9	35.7
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°	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0
2.5°	798.0	795.3	795.3	784.3	781.6	773.4	773.4	767.9	765.1	773.4	773.4
5°	800.8	787.1	784.3	773.4	776.1	770.6	781.6	776.1	773.4	773.4	770.6
7.5°	806.3	792.6	781.6	773.4	770.6	778.8	792.6	792.6	809.0	800.8	800.8
10°	820.0	811.7	798.0	792.6	792.6	800.8	817.2	828.2	841.9	841.9	833.7
12.5°	852.9	839.2	822.7	814.5	825.5	833.7	850.1	861.1	877.6	883.0	877.6
15°	877.6	863.9	858.4	852.9	861.1	872.1	885.8	896.8	916.0	921.4	918.7
17.5°	910.5	894.0	891.3	894.0	899.5	907.7	916.0	924.2	937.9	937.9	937.9
20°	926.9	921.4	918.7	926.9	937.9	948.9	943.4	937.9	935.2	940.6	937.9
22.5°	957.1	951.6	954.4	962.6	962.6	957.1	948.9	929.7	924.2	929.7	924.2
25°	984.5	979.0	979.0	973.5	970.8	951.6	935.2	918.7	899.5	907.7	905.0
27.5°	1011.9	1009.2	1009.2	987.3	959.8	926.9	905.0	885.8	874.8	888.5	880.3
30°	1044.9	1047.6	1033.9	981.8	916.0	880.3	855.6	852.9	850.1	858.4	855.6
32.5°	1075.0	1077.8	1055.8	973.5	883.0	814.5	789.8	792.6	806.3	820.0	833.7
35°	1091.5	1105.2	1077.8	946.1	817.2	740.4	713.0	737.7	762.4	781.6	795.3
37.5°	1121.6	1157.3	1110.7	916.0	759.6	674.6	655.4	663.7	693.8	724.0	737.7
40°	1165.5	1206.7	1118.9	858.4	682.9	608.8	597.8	600.6	611.6	630.7	644.5
42.5°	1242.3	1286.2	1127.1	784.3	606.1	567.7	537.5	529.3	521.1	521.1	518.3
45°	1354.7	1395.9	1116.2	691.1	529.3	501.9	479.9	460.7	438.8	403.1	408.6
47.5°	1519.3	1552.2	1124.4	608.8	458.0	436.0	419.6	397.6	364.7	326.3	323.6
50°	1768.8	1719.5	1113.4	523.8	405.9	386.7	373.0	342.8	304.4	277.0	274.2
52.5°	2059.5	1960.8	1102.4	452.5	362.0	345.5	334.6	301.7	266.0	252.3	249.6
55°	2410.6	2268.0	1118.9	389.4	329.1	315.4	304.4	274.2	246.8	235.8	233.1
57.5°	2824.7	2599.8	1209.4	340.1	293.4	288.0	285.2	260.5	235.8	227.6	224.9
60°	3214.1	2917.9	1269.7	304.4	260.5	266.0	271.5	260.5	233.1	227.6	227.6
62.5°	3540.4	3181.2	1173.7	274.2	244.1	260.5	285.2	277.0	266.0	271.5	266.0
65°	3828.4	3271.7	877.6	257.8	235.8	274.2	315.4	312.6	288.0	293.4	290.7
67.5°	3877.7	3162.0	573.2	244.1	230.4	301.7	353.8	320.9	271.5	271.5	263.3
70°	3672.1	2868.5	383.9	230.4	227.6	301.7	362.0	301.7	255.0	255.0	244.1
72.5°	3013.9	2292.6	296.2	216.6	208.4	268.8	342.8	285.2	238.6	233.1	213.9
75°	1980.0	1478.1	241.3	205.7	181.0	235.8	309.9	263.3	227.6	211.2	202.9
77.5°	970.8	663.7	202.9	181.0	156.3	205.7	282.5	249.6	213.9	197.5	192.0
80°	266.0	238.6	170.0	159.1	131.6	178.3	266.0	238.6	200.2	183.7	175.5
82.5°	150.8	148.1	137.1	128.9	109.7	178.3	268.8	238.6	189.2	186.5	159.1
85°	82.3	87.8	98.7	96.0	85.0	159.1	255.0	208.4	153.6	128.9	128.9
87.5°	32.9	41.1	49.4	54.8	57.6	117.9	192.0	159.1	117.9	98.7	98.7
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)