

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: P675020

Luminaire Tested: **CCW-SA-2D-827-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675020
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-827-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8283.5 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

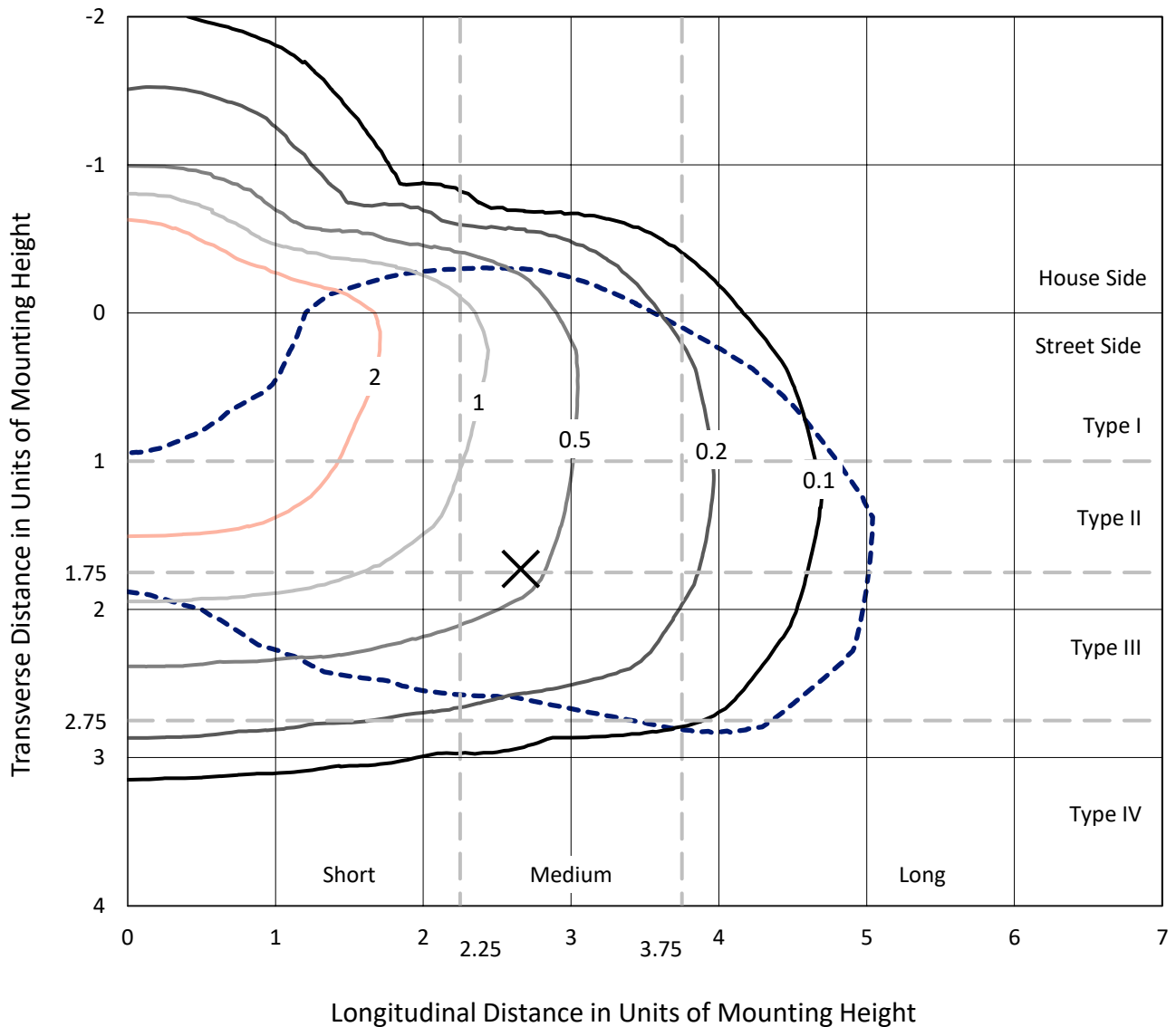
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

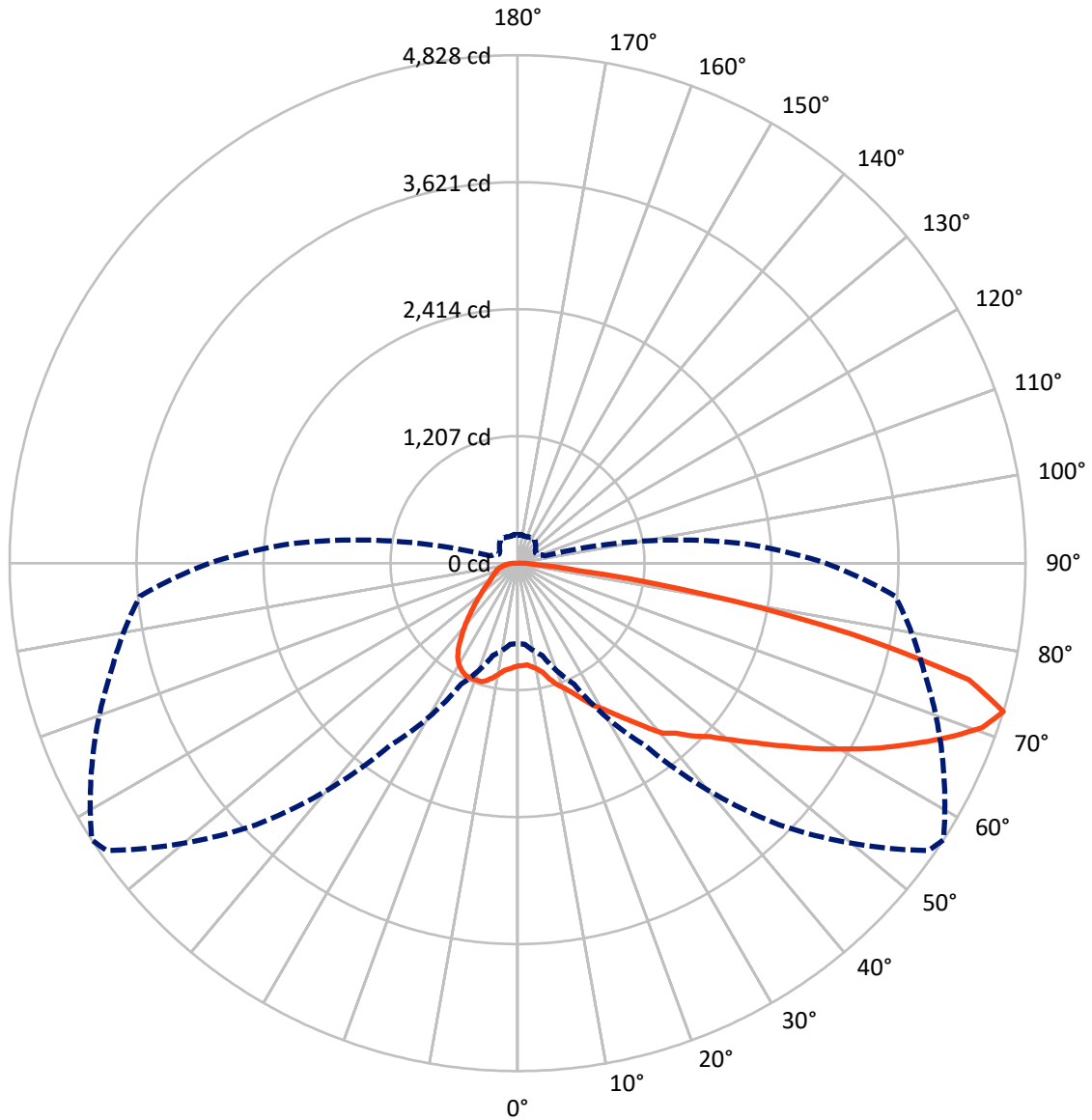
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

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CATALOG NUMBER: CCW-SA-2D-827-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1934.5	0.0	1934.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	6349.0	0.0	6349.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	8283.5	0.0	8283.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	1.2
10°-20°	327.1	3.9
20°-30°	597.9	7.2
30°-40°	877.2	10.6
40°-50°	1207.8	14.6
50°-60°	1656.3	20.0
60°-70°	1996.5	24.1
70°-80°	1330.0	16.1
80°-90°	193.7	2.3
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°	8283.5	100.0
0°-180°	8283.5	100.0

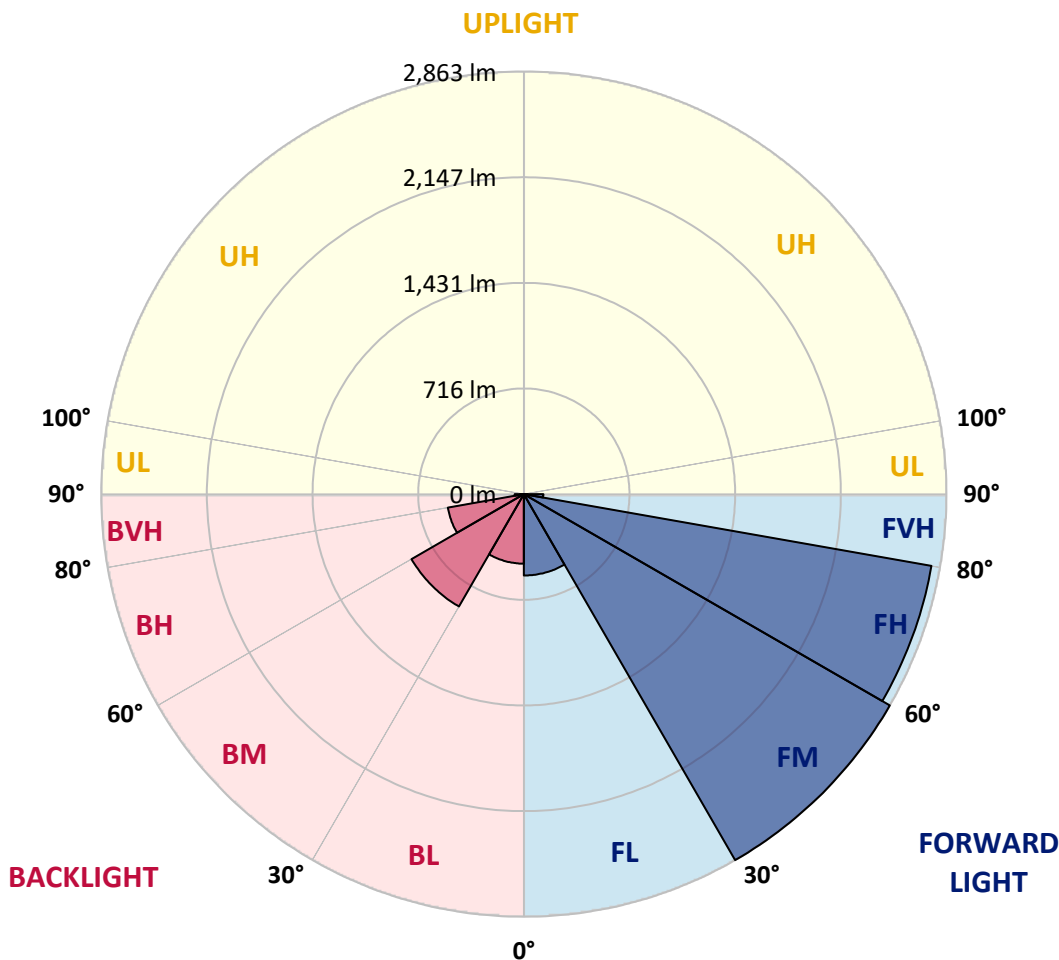


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.1	6.7			
FM (30°-60°)	2862.6	34.6			
FH (60°-80°)	2803.5	33.8			G2/5000
FVH (80°-90°)	131.9	1.6			G2/225
BL (0°-30°)	471.0	5.7	B1/500		
BM (30°-60°)	878.7	10.6	B1/1000		
BH (60°-80°)	523.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	61.8	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7
2.5°	959.6	962.6	968.7	965.7	965.7	956.6	971.7	974.7	968.7	971.7	977.7
5°	959.6	965.7	974.7	968.7	971.7	968.7	962.6	971.7	971.7	974.7	983.8
7.5°	1010.9	1007.9	1007.9	998.8	995.8	992.8	995.8	995.8	989.8	992.8	992.8
10°	1068.3	1068.3	1062.2	1062.2	1056.2	1041.1	1026.0	1023.0	1013.9	1017.0	1017.0
12.5°	1128.6	1134.6	1140.7	1122.6	1116.5	1092.4	1083.3	1065.2	1065.2	1059.2	1056.2
15°	1204.0	1195.0	1201.0	1195.0	1179.9	1155.8	1140.7	1143.7	1122.6	1116.5	1107.5
17.5°	1270.4	1273.5	1264.4	1258.4	1231.2	1213.1	1216.1	1213.1	1185.9	1176.9	1161.8
20°	1348.9	1345.9	1345.9	1327.8	1303.6	1279.5	1270.4	1267.4	1273.5	1255.3	1219.1
22.5°	1430.4	1418.3	1418.3	1403.2	1370.0	1354.9	1348.9	1336.8	1342.9	1327.8	1273.5
25°	1496.8	1496.8	1517.9	1487.7	1469.6	1439.4	1427.4	1430.4	1433.4	1403.2	1339.8
27.5°	1584.3	1569.2	1590.3	1575.2	1566.2	1533.0	1517.9	1526.9	1520.9	1487.7	1400.2
30°	1695.9	1698.9	1686.9	1665.7	1653.7	1629.5	1620.5	1611.4	1620.5	1578.2	1466.6
32.5°	1834.7	1843.8	1813.6	1789.5	1768.4	1744.2	1726.1	1717.0	1726.1	1662.7	1517.9
35°	1994.7	2003.7	1979.6	1952.4	1928.3	1867.9	1852.8	1837.8	1804.6	1702.0	1566.2
37.5°	2142.5	2130.5	2124.4	2124.4	2079.2	1991.7	1982.6	1973.6	1910.2	1780.4	1632.6
40°	2242.1	2257.2	2251.2	2245.1	2239.1	2157.6	2139.5	2124.4	2018.8	1898.1	1726.1
42.5°	2353.8	2344.7	2368.9	2377.9	2356.8	2332.7	2260.2	2208.9	2115.4	2018.8	1864.9
45°	2486.6	2480.5	2489.6	2522.8	2492.6	2501.6	2380.9	2344.7	2227.0	2169.7	2039.9
47.5°	2604.2	2619.3	2664.6	2673.6	2649.5	2691.8	2522.8	2465.4	2390.0	2344.7	2221.0
50°	2655.5	2673.6	2776.2	2839.6	2842.6	2909.0	2664.6	2640.5	2537.9	2556.0	2447.3
52.5°	2613.3	2670.6	2794.4	2960.3	3062.9	3129.3	2851.7	2839.6	2746.1	2803.4	2694.8
55°	2652.5	2706.8	2788.3	3020.7	3280.2	3295.3	3111.2	3065.9	2972.4	3050.9	2951.3
57.5°	2670.6	2640.5	2794.4	3087.1	3440.1	3479.4	3358.7	3325.5	3253.0	3328.5	3271.1
60°	2528.8	2565.0	2709.9	3069.0	3449.2	3675.5	3636.3	3588.0	3521.6	3591.0	3557.8
62.5°	2368.9	2393.0	2549.9	2960.3	3500.5	3817.3	3904.9	3868.6	3775.1	3835.4	3892.8
65°	2166.7	2169.7	2344.7	2767.2	3400.9	3898.8	4140.2	4137.2	4070.8	4055.7	4146.3
67.5°	1919.2	1943.4	2082.2	2562.0	3265.1	3989.3	4372.6	4417.9	4285.1	4167.4	4200.6
70°	1472.6	1496.8	1629.5	2100.3	2987.5	3962.2	4659.3	4683.4	4423.9	4125.1	4040.7
72.5°	766.5	772.5	908.3	1267.4	2118.4	3518.6	4764.9	4828.3	4460.1	4001.4	3603.1
75°	253.5	253.5	310.8	482.8	998.8	2251.2	4315.3	4429.9	4282.1	3693.6	2948.3
77.5°	150.9	153.9	184.1	241.4	398.3	899.3	3041.8	3244.0	3503.5	3141.4	2154.6
80°	108.6	111.7	138.8	166.0	238.4	289.7	1526.9	1807.6	2151.6	2021.8	1149.7
82.5°	81.5	81.5	108.6	123.7	163.0	172.0	425.5	582.4	929.4	724.2	316.9
85°	84.5	84.5	84.5	87.5	111.7	99.6	178.0	190.1	271.6	238.4	87.5
87.5°	30.2	33.2	84.5	57.3	57.3	42.2	69.4	75.4	96.6	99.6	33.2
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°	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7	977.7
2.5°	980.7	980.7	983.8	983.8	989.8	995.8	1004.9	998.8	998.8	1001.9	998.8
5°	977.7	980.7	989.8	1004.9	1010.9	1013.9	1032.0	1032.0	1032.0	1038.1	1038.1
7.5°	989.8	995.8	1010.9	1026.0	1029.0	1038.1	1062.2	1068.3	1083.3	1089.4	1092.4
10°	1020.0	1029.0	1041.1	1059.2	1071.3	1083.3	1101.4	1122.6	1119.6	1137.7	1140.7
12.5°	1065.2	1062.2	1083.3	1101.4	1113.5	1131.6	1137.7	1137.7	1137.7	1137.7	1143.7
15°	1101.4	1107.5	1125.6	1137.7	1152.7	1149.7	1137.7	1125.6	1128.6	1125.6	1125.6
17.5°	1155.8	1155.8	1170.9	1173.9	1179.9	1149.7	1131.6	1131.6	1140.7	1140.7	1134.6
20°	1210.1	1207.1	1213.1	1210.1	1170.9	1134.6	1131.6	1134.6	1137.7	1134.6	1131.6
22.5°	1261.4	1255.3	1246.3	1234.2	1164.8	1131.6	1125.6	1110.5	1095.4	1095.4	1086.4
25°	1306.6	1300.6	1276.5	1240.3	1161.8	1113.5	1083.3	1047.1	1029.0	1020.0	1032.0
27.5°	1348.9	1336.8	1303.6	1240.3	1134.6	1065.2	1007.9	962.6	947.5	935.5	947.5
30°	1406.2	1385.1	1339.8	1231.2	1092.4	989.8	911.3	857.0	841.9	823.8	829.9
32.5°	1457.5	1409.2	1370.0	1204.0	1038.1	905.3	814.8	760.5	733.3	718.2	730.3
35°	1511.8	1463.6	1382.1	1161.8	953.6	802.7	712.2	660.9	639.7	618.6	618.6
37.5°	1566.2	1539.0	1400.2	1083.3	851.0	706.1	624.7	585.4	549.2	510.0	510.0
40°	1680.8	1644.6	1421.3	992.8	748.4	612.6	555.2	503.9	467.7	413.4	410.4
42.5°	1801.5	1723.1	1421.3	884.2	657.9	546.2	491.9	437.6	371.2	338.0	341.0
45°	1955.4	1864.9	1382.1	787.6	567.3	491.9	431.5	362.1	331.9	310.8	310.8
47.5°	2148.6	2006.7	1333.8	682.0	494.9	443.6	368.2	325.9	304.8	286.7	283.7
50°	2377.9	2136.5	1273.5	591.5	434.5	398.3	335.0	301.8	283.7	271.6	271.6
52.5°	2619.3	2326.6	1231.2	510.0	386.3	338.0	310.8	289.7	274.6	265.6	262.5
55°	2863.8	2516.7	1201.0	422.5	341.0	310.8	304.8	286.7	280.6	271.6	265.6
57.5°	3138.4	2673.6	1195.0	362.1	304.8	298.7	310.8	295.7	286.7	277.6	268.6
60°	3434.1	2884.9	1140.7	313.8	286.7	292.7	301.8	286.7	280.6	271.6	265.6
62.5°	3726.8	3041.8	992.8	277.6	268.6	274.6	286.7	274.6	265.6	268.6	271.6
65°	3847.5	3053.9	769.5	250.5	247.4	250.5	268.6	265.6	256.5	274.6	274.6
67.5°	3726.8	2945.2	543.2	226.3	226.3	241.4	271.6	277.6	268.6	292.7	289.7
70°	3452.2	2676.7	368.2	211.2	217.3	256.5	280.6	274.6	262.5	292.7	286.7
72.5°	2930.2	2142.5	268.6	196.1	205.2	244.4	277.6	271.6	262.5	274.6	262.5
75°	2199.9	1523.9	211.2	178.0	181.1	220.3	286.7	271.6	247.4	241.4	232.4
77.5°	1469.6	941.5	163.0	156.9	156.9	193.1	274.6	253.5	223.3	214.3	211.2
80°	700.1	377.2	129.8	132.8	135.8	166.0	250.5	226.3	202.2	190.1	190.1
82.5°	223.3	141.8	108.6	108.6	108.6	135.8	208.2	190.1	175.0	166.0	150.9
85°	78.5	78.5	93.5	96.6	87.5	99.6	172.0	163.0	144.8	120.7	117.7
87.5°	30.2	45.3	63.4	75.4	54.3	69.4	123.7	114.7	105.6	78.5	75.4
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)