

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: P674972

Luminaire Tested: **CCW-SA-1F-735-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674972
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T3 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7471.8 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

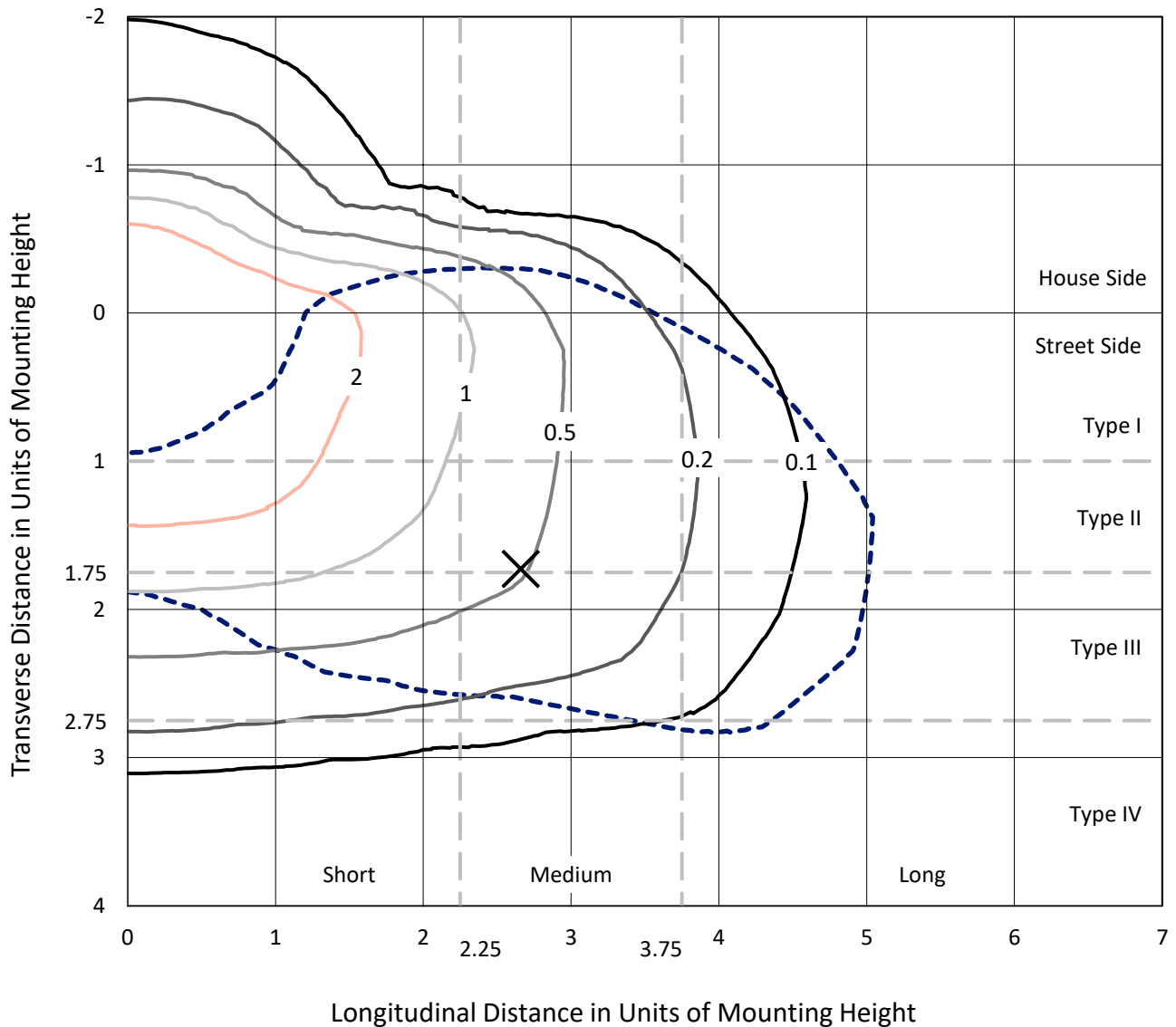
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

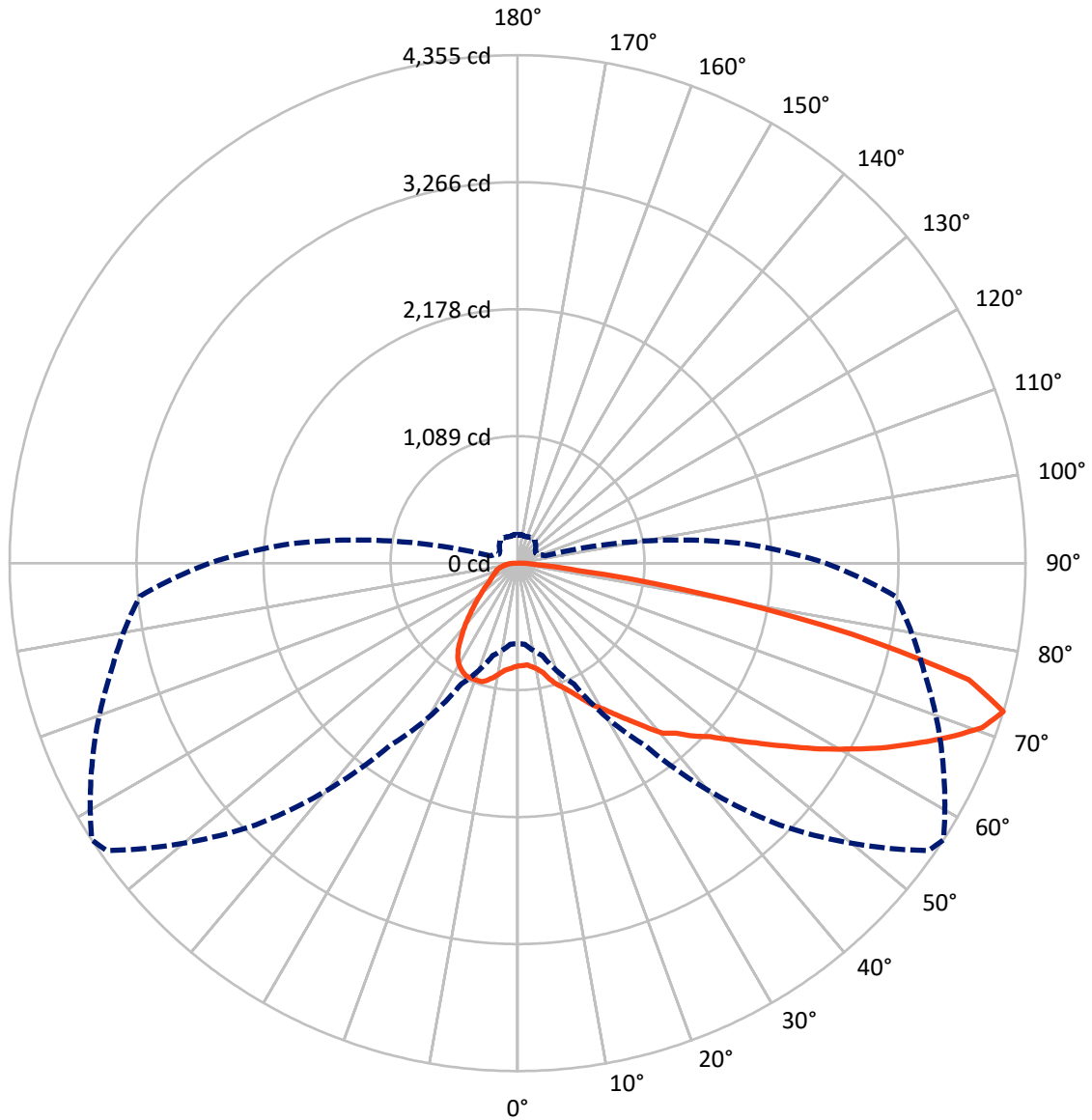
× Max cd
 - - - 1/2 Max cd



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

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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	1744.9	0.0	1744.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5726.8	0.0	5726.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	7471.8	0.0	7471.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.2
10°-20°	295.0	3.9
20°-30°	539.3	7.2
30°-40°	791.2	10.6
40°-50°	1089.4	14.6
50°-60°	1494.0	20.0
60°-70°	1800.9	24.1
70°-80°	1199.6	16.1
80°-90°	174.7	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°	7471.8	100.0
0°-180°	7471.8	100.0



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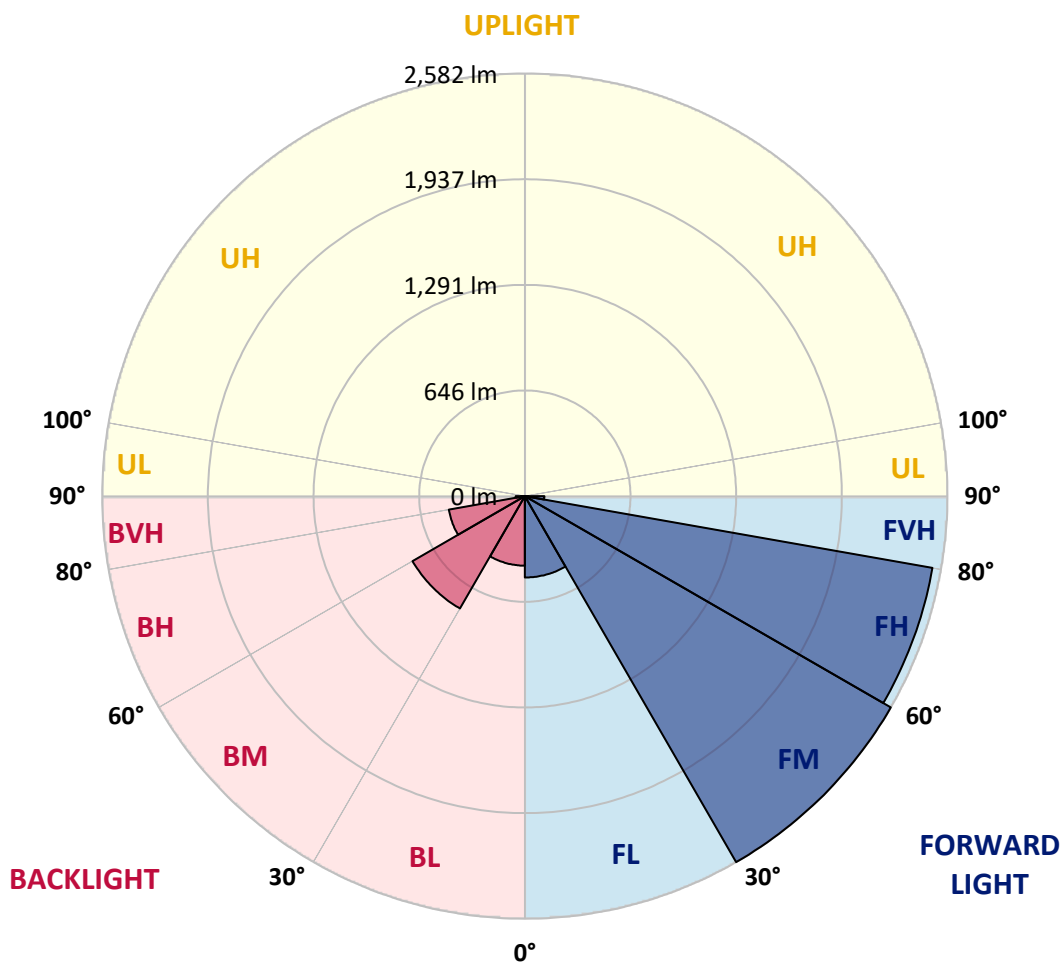
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.1	6.7			
FM (30°-60°)	2582.1	34.6			
FH (60°-80°)	2528.7	33.8			G2/5000
FVH (80°-90°)	119.0	1.6			G2/225
BL (0°-30°)	424.8	5.7	B1/500		
BM (30°-60°)	792.6	10.6	B1/1000		
BH (60°-80°)	471.8	6.3	B1/500		G1/500
BVH (80°-90°)	55.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9
2.5°	865.6	868.3	873.7	871.0	871.0	862.9	876.5	879.2	873.7	876.5	881.9
5°	865.6	871.0	879.2	873.7	876.5	873.7	868.3	876.5	876.5	879.2	887.3
7.5°	911.8	909.1	909.1	901.0	898.2	895.5	898.2	898.2	892.8	895.5	895.5
10°	963.6	963.6	958.1	958.1	952.7	939.1	925.5	922.7	914.6	917.3	917.3
12.5°	1018.0	1023.4	1028.9	1012.6	1007.1	985.3	977.2	960.8	960.8	955.4	952.7
15°	1086.0	1077.9	1083.3	1077.9	1064.3	1042.5	1028.9	1031.6	1012.6	1007.1	998.9
17.5°	1145.9	1148.7	1140.5	1135.0	1110.5	1094.2	1096.9	1094.2	1069.7	1061.6	1047.9
20°	1216.7	1214.0	1214.0	1197.6	1175.9	1154.1	1145.9	1143.2	1148.7	1132.3	1099.7
22.5°	1290.2	1279.3	1279.3	1265.7	1235.8	1222.1	1216.7	1205.8	1211.3	1197.6	1148.7
25°	1350.1	1350.1	1369.1	1341.9	1325.6	1298.4	1287.5	1290.2	1292.9	1265.7	1208.5
27.5°	1429.0	1415.4	1434.5	1420.8	1412.7	1382.7	1369.1	1377.3	1371.9	1341.9	1263.0
30°	1529.7	1532.4	1521.6	1502.5	1491.6	1469.8	1461.7	1453.5	1461.7	1423.6	1322.9
32.5°	1654.9	1663.1	1635.9	1614.1	1595.1	1573.3	1556.9	1548.8	1556.9	1499.8	1369.1
35°	1799.2	1807.4	1785.6	1761.1	1739.3	1684.9	1671.3	1657.7	1627.7	1535.2	1412.7
37.5°	1932.6	1921.7	1916.2	1916.2	1875.4	1796.5	1788.3	1780.1	1723.0	1605.9	1472.6
40°	2022.4	2036.0	2030.6	2025.1	2019.7	1946.2	1929.8	1916.2	1821.0	1712.1	1556.9
42.5°	2123.1	2114.9	2136.7	2144.9	2125.8	2104.1	2038.7	1992.5	1908.1	1821.0	1682.2
45°	2242.9	2237.4	2245.6	2275.5	2248.3	2256.5	2147.6	2114.9	2008.8	1957.1	1840.0
47.5°	2349.0	2362.6	2403.5	2411.6	2389.9	2428.0	2275.5	2223.8	2155.8	2114.9	2003.3
50°	2395.3	2411.6	2504.2	2561.3	2564.1	2623.9	2403.5	2381.7	2289.1	2305.5	2207.5
52.5°	2357.2	2408.9	2520.5	2670.2	2762.8	2822.6	2572.2	2561.3	2477.0	2528.7	2430.7
55°	2392.6	2441.6	2515.1	2724.7	2958.7	2972.3	2806.3	2765.5	2681.1	2751.9	2662.0
57.5°	2408.9	2381.7	2520.5	2784.5	3103.0	3138.4	3029.5	2999.6	2934.2	3002.3	2950.6
60°	2281.0	2313.6	2444.3	2768.2	3111.2	3315.3	3279.9	3236.4	3176.5	3239.1	3209.2
62.5°	2136.7	2158.5	2300.0	2670.2	3157.4	3443.2	3522.2	3489.5	3405.1	3459.6	3511.3
65°	1954.3	1957.1	2114.9	2496.0	3067.6	3516.7	3734.5	3731.8	3671.9	3658.3	3739.9
67.5°	1731.1	1752.9	1878.1	2310.9	2945.1	3598.4	3944.1	3984.9	3865.1	3759.0	3788.9
70°	1328.3	1350.1	1469.8	1894.5	2694.7	3573.9	4202.7	4224.4	3990.3	3720.9	3644.7
72.5°	691.4	696.8	819.3	1143.2	1910.8	3173.8	4297.9	4355.1	4023.0	3609.3	3250.0
75°	228.6	228.6	280.4	435.5	901.0	2030.6	3892.4	3995.8	3862.4	3331.6	2659.3
77.5°	136.1	138.8	166.0	217.8	359.3	811.1	2743.7	2926.1	3160.2	2833.5	1943.5
80°	98.0	100.7	125.2	149.7	215.0	261.3	1377.3	1630.4	1940.7	1823.7	1037.1
82.5°	73.5	73.5	98.0	111.6	147.0	155.1	383.8	525.3	838.4	653.3	285.8
85°	76.2	76.2	76.2	78.9	100.7	89.8	160.6	171.5	245.0	215.0	78.9
87.5°	27.2	29.9	76.2	51.7	51.7	38.1	62.6	68.0	87.1	89.8	29.9
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°	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9	881.9
2.5°	884.6	884.6	887.3	887.3	892.8	898.2	906.4	901.0	901.0	903.7	901.0
5°	881.9	884.6	892.8	906.4	911.8	914.6	930.9	930.9	930.9	936.3	936.3
7.5°	892.8	898.2	911.8	925.5	928.2	936.3	958.1	963.6	977.2	982.6	985.3
10°	920.0	928.2	939.1	955.4	966.3	977.2	993.5	1012.6	1009.8	1026.2	1028.9
12.5°	960.8	958.1	977.2	993.5	1004.4	1020.7	1026.2	1026.2	1026.2	1026.2	1031.6
15°	993.5	998.9	1015.3	1026.2	1039.8	1037.1	1026.2	1015.3	1018.0	1015.3	1015.3
17.5°	1042.5	1042.5	1056.1	1058.8	1064.3	1037.1	1020.7	1020.7	1028.9	1028.9	1023.4
20°	1091.5	1088.8	1094.2	1091.5	1056.1	1023.4	1020.7	1023.4	1026.2	1023.4	1020.7
22.5°	1137.8	1132.3	1124.2	1113.3	1050.7	1020.7	1015.3	1001.7	988.1	988.1	979.9
25°	1178.6	1173.2	1151.4	1118.7	1047.9	1004.4	977.2	944.5	928.2	920.0	930.9
27.5°	1216.7	1205.8	1175.9	1118.7	1023.4	960.8	909.1	868.3	854.7	843.8	854.7
30°	1268.4	1249.4	1208.5	1110.5	985.3	892.8	822.0	773.0	759.4	743.1	748.5
32.5°	1314.7	1271.1	1235.8	1086.0	936.3	816.6	734.9	685.9	661.4	647.8	658.7
35°	1363.7	1320.1	1246.6	1047.9	860.1	724.0	642.4	596.1	577.0	558.0	558.0
37.5°	1412.7	1388.2	1263.0	977.2	767.6	636.9	563.4	528.1	495.4	460.0	460.0
40°	1516.1	1483.5	1282.0	895.5	675.0	552.6	500.8	454.6	421.9	372.9	370.2
42.5°	1625.0	1554.2	1282.0	797.5	593.4	492.7	443.7	394.7	334.8	304.9	307.6
45°	1763.8	1682.2	1246.6	710.4	511.7	443.7	389.2	326.6	299.4	280.4	280.4
47.5°	1938.0	1810.1	1203.1	615.2	446.4	400.1	332.1	294.0	274.9	258.6	255.9
50°	2144.9	1927.1	1148.7	533.5	392.0	359.3	302.1	272.2	255.9	245.0	245.0
52.5°	2362.6	2098.6	1110.5	460.0	348.4	304.9	280.4	261.3	247.7	239.5	236.8
55°	2583.1	2270.1	1083.3	381.1	307.6	280.4	274.9	258.6	253.1	245.0	239.5
57.5°	2830.8	2411.6	1077.9	326.6	274.9	269.5	280.4	266.7	258.6	250.4	242.3
60°	3097.6	2602.2	1028.9	283.1	258.6	264.0	272.2	258.6	253.1	245.0	239.5
62.5°	3361.6	2743.7	895.5	250.4	242.3	247.7	258.6	247.7	239.5	242.3	245.0
65°	3470.5	2754.6	694.1	225.9	223.2	225.9	242.3	239.5	231.4	247.7	247.7
67.5°	3361.6	2656.6	489.9	204.1	204.1	217.8	245.0	250.4	242.3	264.0	261.3
70°	3113.9	2414.4	332.1	190.5	196.0	231.4	253.1	247.7	236.8	264.0	258.6
72.5°	2643.0	1932.6	242.3	176.9	185.1	220.5	250.4	245.0	236.8	247.7	236.8
75°	1984.3	1374.6	190.5	160.6	163.3	198.7	258.6	245.0	223.2	217.8	209.6
77.5°	1325.6	849.2	147.0	141.5	141.5	174.2	247.7	228.6	201.4	193.3	190.5
80°	631.5	340.2	117.0	119.8	122.5	149.7	225.9	204.1	182.4	171.5	171.5
82.5°	201.4	127.9	98.0	98.0	98.0	122.5	187.8	171.5	157.9	149.7	136.1
85°	70.8	70.8	84.4	87.1	78.9	89.8	155.1	147.0	130.7	108.9	106.2
87.5°	27.2	40.8	57.2	68.0	49.0	62.6	111.6	103.4	95.3	70.8	68.0
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)