

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: P674974

Luminaire Tested: **CCW-SA-2B-735-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674974
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-735-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

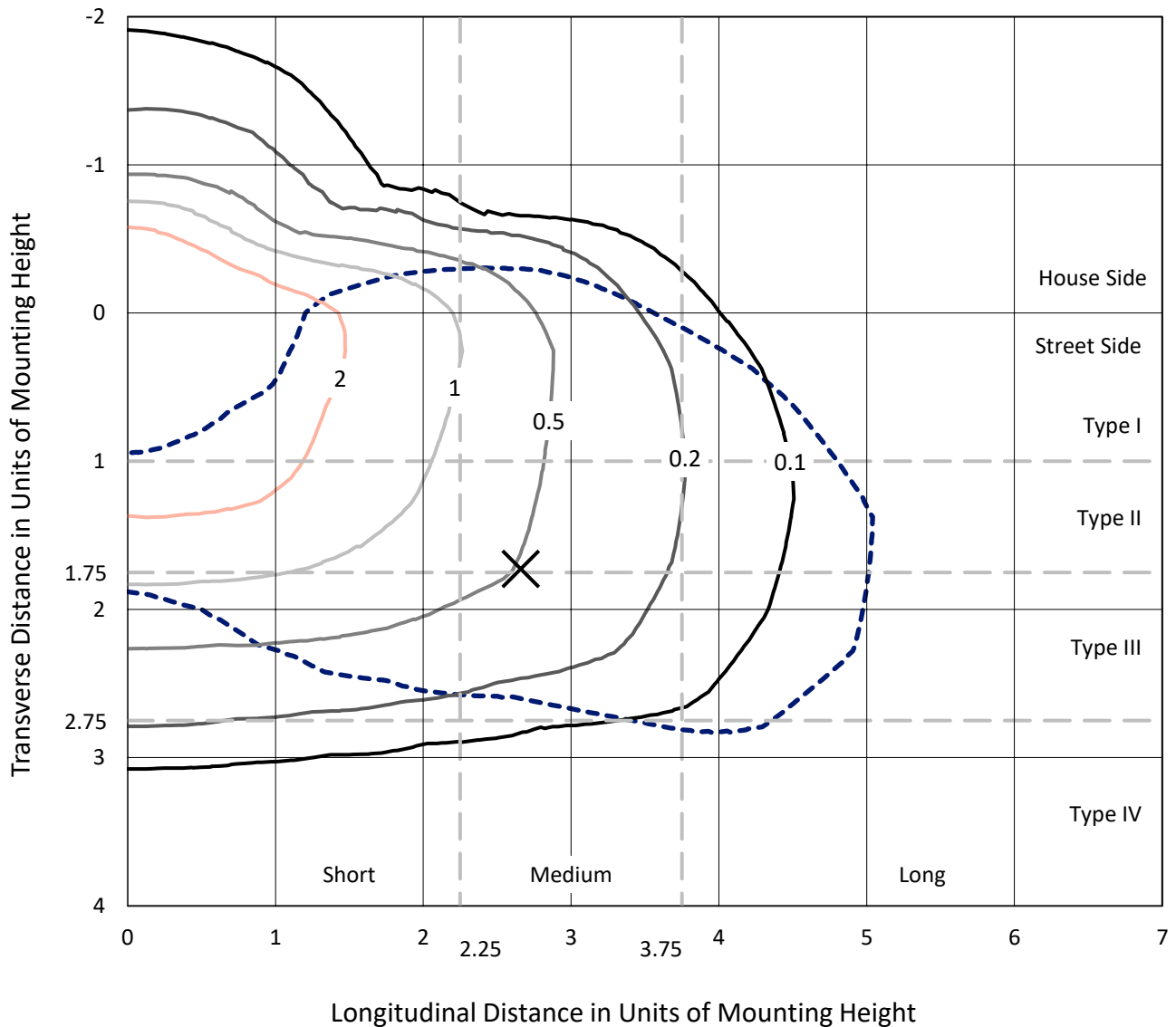
Lumens per Lamp: N/A
Luminaire Lumens: 6882.3 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

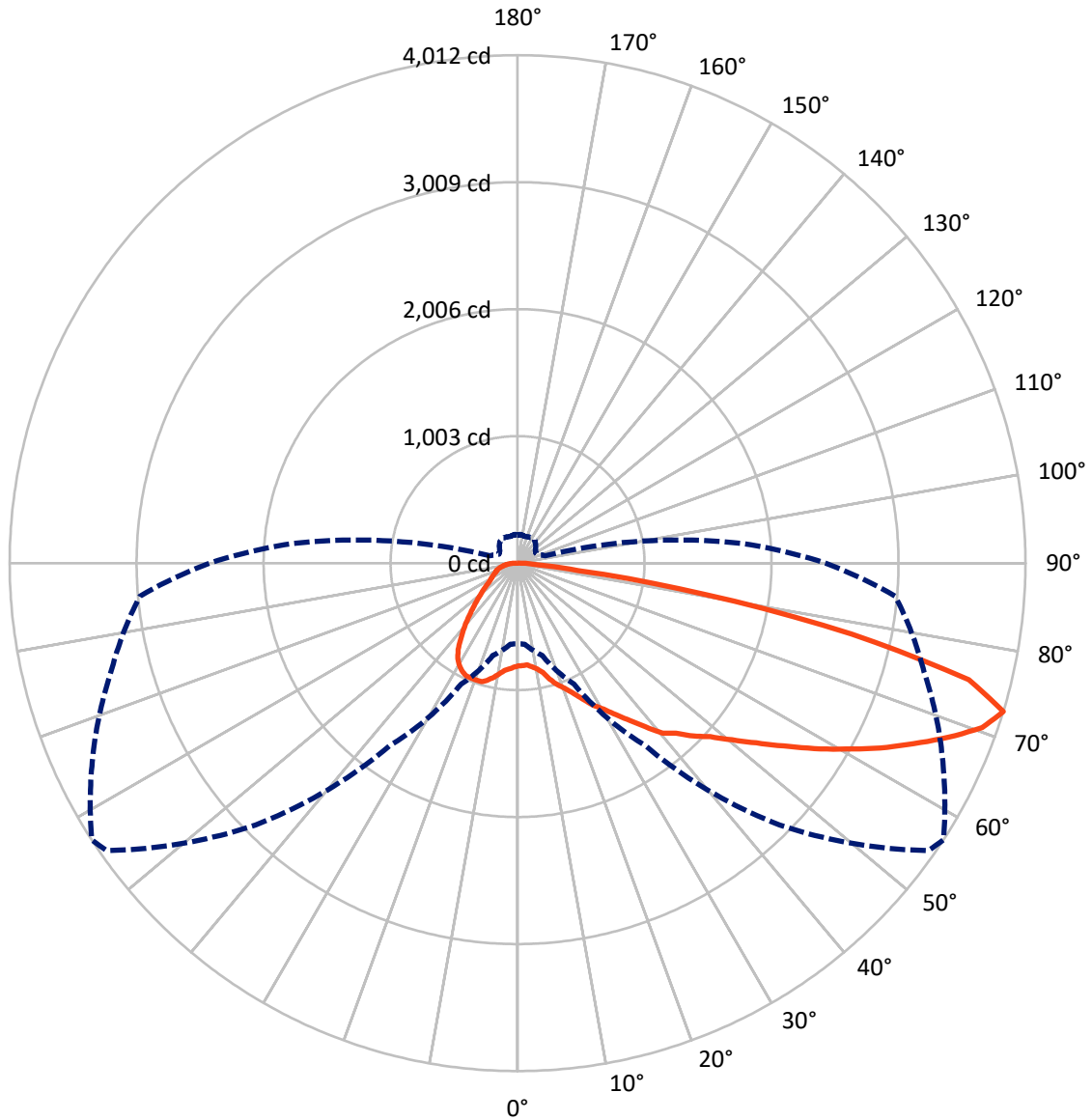
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 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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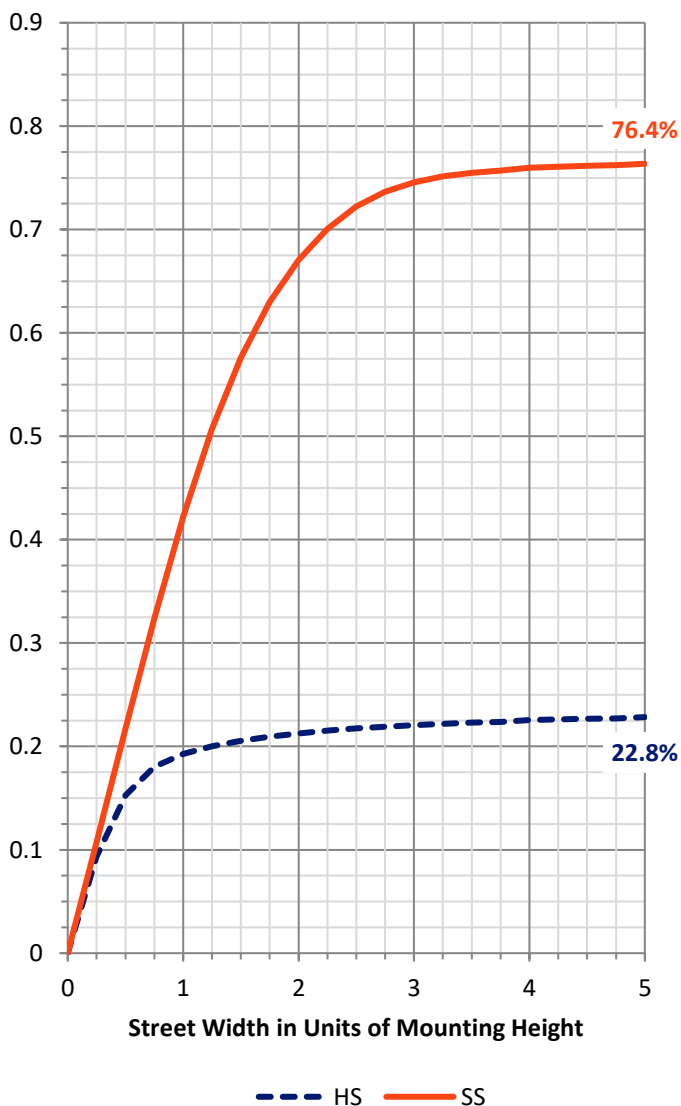
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.3	0.0	1607.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5275.1	0.0	5275.1
	% Fixture	76.6	0.0	76.6
Total	Lumens	6882.3	0.0	6882.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.2
10°-20°	271.8	3.9
20°-30°	496.8	7.2
30°-40°	728.8	10.6
40°-50°	1003.5	14.6
50°-60°	1376.1	20.0
60°-70°	1658.8	24.1
70°-80°	1105.0	16.1
80°-90°	160.9	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°	6882.3	100.0
0°-180°	6882.3	100.0



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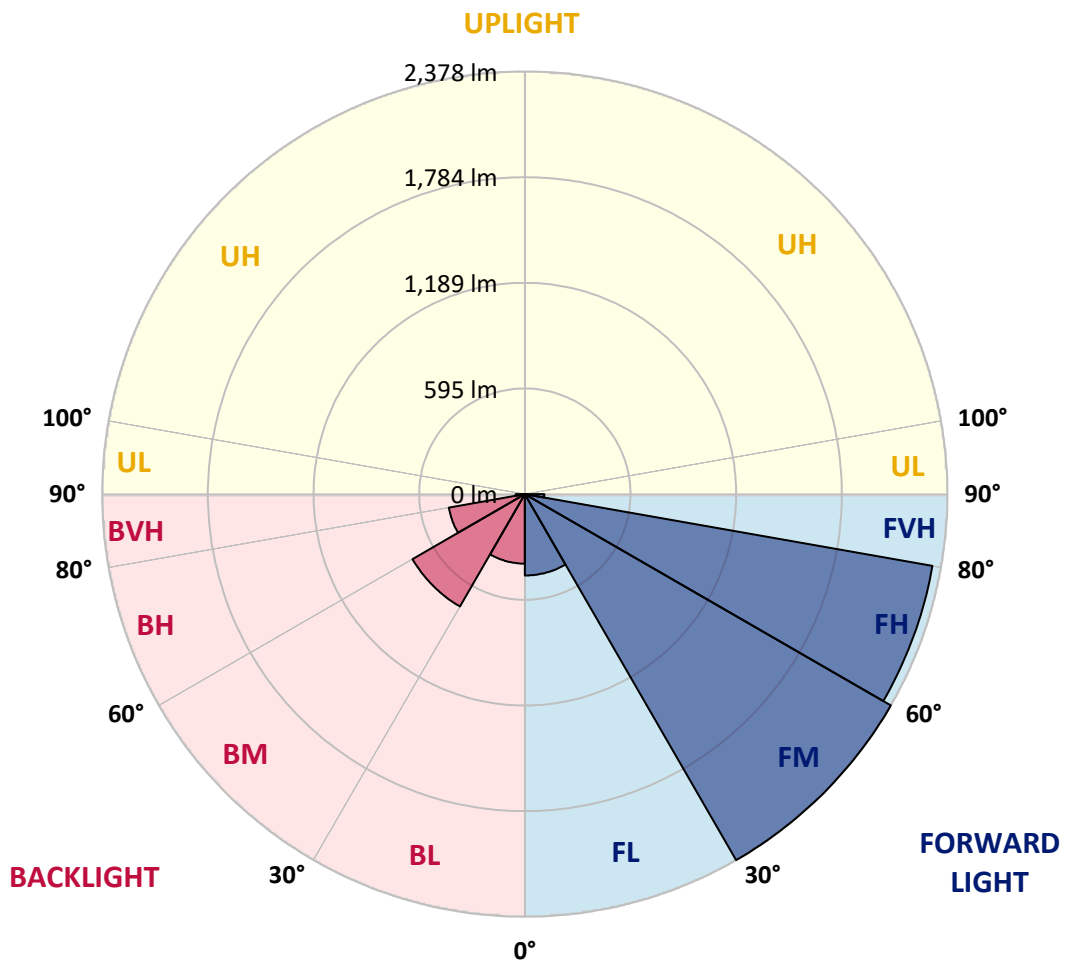
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	457.8	6.7			
FM (30°-60°)	2378.4	34.6			
FH (60°-80°)	2329.2	33.8			G2/5000
FVH (80°-90°)	109.6	1.6			G2/225
BL (0°-30°)	391.3	5.7	B1/500		
BM (30°-60°)	730.0	10.6	B1/1000		
BH (60°-80°)	434.6	6.3	B1/500		G1/500
BVH (80°-90°)	51.4	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°	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3
2.5°	797.3	799.8	804.8	802.3	802.3	794.8	807.3	809.8	804.8	807.3	812.3
5°	797.3	802.3	809.8	804.8	807.3	804.8	799.8	807.3	807.3	809.8	817.3
7.5°	839.9	837.4	837.4	829.9	827.4	824.9	827.4	827.4	822.4	824.9	824.9
10°	887.5	887.5	882.5	882.5	877.5	865.0	852.4	849.9	842.4	844.9	844.9
12.5°	937.7	942.7	947.7	932.7	927.7	907.6	900.1	885.0	885.0	880.0	877.5
15°	1000.4	992.9	997.9	992.9	980.3	960.3	947.7	950.2	932.7	927.7	920.1
17.5°	1055.5	1058.0	1050.5	1045.5	1022.9	1007.9	1010.4	1007.9	985.3	977.8	965.3
20°	1120.7	1118.2	1118.2	1103.2	1083.1	1063.1	1055.5	1053.0	1058.0	1043.0	1012.9
22.5°	1188.4	1178.4	1178.4	1165.8	1138.3	1125.7	1120.7	1110.7	1115.7	1103.2	1058.0
25°	1243.6	1243.6	1261.1	1236.1	1221.0	1195.9	1185.9	1188.4	1190.9	1165.8	1113.2
27.5°	1316.3	1303.7	1321.3	1308.8	1301.2	1273.7	1261.1	1268.6	1263.6	1236.1	1163.3
30°	1409.0	1411.6	1401.5	1384.0	1373.9	1353.9	1346.4	1338.8	1346.4	1311.3	1218.5
32.5°	1524.4	1531.9	1506.8	1486.8	1469.2	1449.2	1434.1	1426.6	1434.1	1381.5	1261.1
35°	1657.3	1664.8	1644.7	1622.2	1602.1	1552.0	1539.4	1526.9	1499.3	1414.1	1301.2
37.5°	1780.1	1770.1	1765.1	1765.1	1727.5	1654.8	1647.2	1639.7	1587.1	1479.2	1356.4
40°	1862.9	1875.4	1870.4	1865.4	1860.3	1792.6	1777.6	1765.1	1677.3	1577.0	1434.1
42.5°	1955.6	1948.1	1968.2	1975.7	1958.1	1938.1	1877.9	1835.3	1757.5	1677.3	1549.5
45°	2065.9	2060.9	2068.4	2096.0	2070.9	2078.5	1978.2	1948.1	1850.3	1802.7	1694.9
47.5°	2163.7	2176.3	2213.9	2221.4	2201.3	2236.4	2096.0	2048.4	1985.7	1948.1	1845.3
50°	2206.3	2221.4	2306.6	2359.3	2361.8	2416.9	2213.9	2193.8	2108.6	2123.6	2033.3
52.5°	2171.2	2218.9	2321.7	2459.6	2544.8	2600.0	2369.3	2359.3	2281.6	2329.2	2238.9
55°	2203.8	2249.0	2316.7	2509.7	2725.3	2737.9	2584.9	2547.3	2469.6	2534.8	2452.0
57.5°	2218.9	2193.8	2321.7	2564.9	2858.2	2890.8	2790.5	2762.9	2702.8	2765.4	2717.8
60°	2101.0	2131.1	2251.5	2549.8	2865.7	3053.8	3021.2	2981.1	2925.9	2983.6	2956.0
62.5°	1968.2	1988.2	2118.6	2459.6	2908.4	3171.6	3244.3	3214.2	3136.5	3186.7	3234.3
65°	1800.2	1802.7	1948.1	2299.1	2825.6	3239.3	3439.9	3437.4	3382.2	3369.7	3444.9
67.5°	1594.6	1614.6	1730.0	2128.6	2712.8	3314.5	3632.9	3670.5	3560.2	3462.4	3490.0
70°	1223.5	1243.6	1353.9	1745.0	2482.1	3292.0	3871.1	3891.2	3675.6	3427.3	3357.1
72.5°	636.8	641.8	754.7	1053.0	1760.1	2923.4	3958.9	4011.5	3705.6	3324.6	2993.6
75°	210.6	210.6	258.2	401.2	829.9	1870.4	3585.3	3680.6	3557.7	3068.8	2449.5
77.5°	125.4	127.9	152.9	200.6	331.0	747.1	2527.3	2695.2	2910.9	2610.0	1790.1
80°	90.3	92.8	115.3	137.9	198.1	240.7	1268.6	1501.8	1787.6	1679.8	955.2
82.5°	67.7	67.7	90.3	102.8	135.4	142.9	353.5	483.9	772.2	601.7	263.3
85°	70.2	70.2	70.2	72.7	92.8	82.7	147.9	158.0	225.6	198.1	72.7
87.5°	25.1	27.6	70.2	47.6	47.6	35.1	57.7	62.7	80.2	82.7	27.6
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°	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3	812.3
2.5°	814.8	814.8	817.3	817.3	822.4	827.4	834.9	829.9	829.9	832.4	829.9
5°	812.3	814.8	822.4	834.9	839.9	842.4	857.5	857.5	857.5	862.5	862.5
7.5°	822.4	827.4	839.9	852.4	855.0	862.5	882.5	887.5	900.1	905.1	907.6
10°	847.4	855.0	865.0	880.0	890.1	900.1	915.1	932.7	930.2	945.2	947.7
12.5°	885.0	882.5	900.1	915.1	925.2	940.2	945.2	945.2	945.2	945.2	950.2
15°	915.1	920.1	935.2	945.2	957.8	955.2	945.2	935.2	937.7	935.2	935.2
17.5°	960.3	960.3	972.8	975.3	980.3	955.2	940.2	940.2	947.7	947.7	942.7
20°	1005.4	1002.9	1007.9	1005.4	972.8	942.7	940.2	942.7	945.2	942.7	940.2
22.5°	1048.0	1043.0	1035.5	1025.4	967.8	940.2	935.2	922.7	910.1	910.1	902.6
25°	1085.6	1080.6	1060.5	1030.5	965.3	925.2	900.1	870.0	855.0	847.4	857.5
27.5°	1120.7	1110.7	1083.1	1030.5	942.7	885.0	837.4	799.8	787.3	777.2	787.3
30°	1168.4	1150.8	1113.2	1022.9	907.6	822.4	757.2	712.0	699.5	684.5	689.5
32.5°	1211.0	1170.9	1138.3	1000.4	862.5	752.2	676.9	631.8	609.3	596.7	606.7
35°	1256.1	1216.0	1148.3	965.3	792.3	666.9	591.7	549.1	531.5	514.0	514.0
37.5°	1301.2	1278.7	1163.3	900.1	707.0	586.7	519.0	486.4	456.3	423.7	423.7
40°	1396.5	1366.4	1180.9	824.9	621.8	509.0	461.3	418.7	388.6	343.5	341.0
42.5°	1496.8	1431.6	1180.9	734.6	546.6	453.8	408.7	363.5	308.4	280.8	283.3
45°	1624.7	1549.5	1148.3	654.4	471.4	408.7	358.5	300.9	275.8	258.2	258.2
47.5°	1785.1	1667.3	1108.2	566.6	411.2	368.6	305.9	270.8	253.2	238.2	235.7
50°	1975.7	1775.1	1058.0	491.4	361.0	331.0	278.3	250.7	235.7	225.6	225.6
52.5°	2176.3	1933.1	1022.9	423.7	320.9	280.8	258.2	240.7	228.2	220.6	218.1
55°	2379.3	2091.0	997.9	351.0	283.3	258.2	253.2	238.2	233.2	225.6	220.6
57.5°	2607.5	2221.4	992.9	300.9	253.2	248.2	258.2	245.7	238.2	230.7	223.1
60°	2853.2	2396.9	947.7	260.7	238.2	243.2	250.7	238.2	233.2	225.6	220.6
62.5°	3096.4	2527.3	824.9	230.7	223.1	228.2	238.2	228.2	220.6	223.1	225.6
65°	3196.7	2537.3	639.3	208.1	205.6	208.1	223.1	220.6	213.1	228.2	228.2
67.5°	3096.4	2447.0	451.3	188.0	188.0	200.6	225.6	230.7	223.1	243.2	240.7
70°	2868.2	2223.9	305.9	175.5	180.5	213.1	233.2	228.2	218.1	243.2	238.2
72.5°	2434.5	1780.1	223.1	163.0	170.5	203.1	230.7	225.6	218.1	228.2	218.1
75°	1827.8	1266.1	175.5	147.9	150.4	183.0	238.2	225.6	205.6	200.6	193.1
77.5°	1221.0	782.2	135.4	130.4	130.4	160.5	228.2	210.6	185.5	178.0	175.5
80°	581.7	313.4	107.8	110.3	112.8	137.9	208.1	188.0	168.0	158.0	158.0
82.5°	185.5	117.8	90.3	90.3	90.3	112.8	173.0	158.0	145.4	137.9	125.4
85°	65.2	65.2	77.7	80.2	72.7	82.7	142.9	135.4	120.3	100.3	97.8
87.5°	25.1	37.6	52.7	62.7	45.1	57.7	102.8	95.3	87.8	65.2	62.7
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)