

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: P675129

Luminaire Tested: **CCW-SA-2B-740-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675129
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-740-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T4FT distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

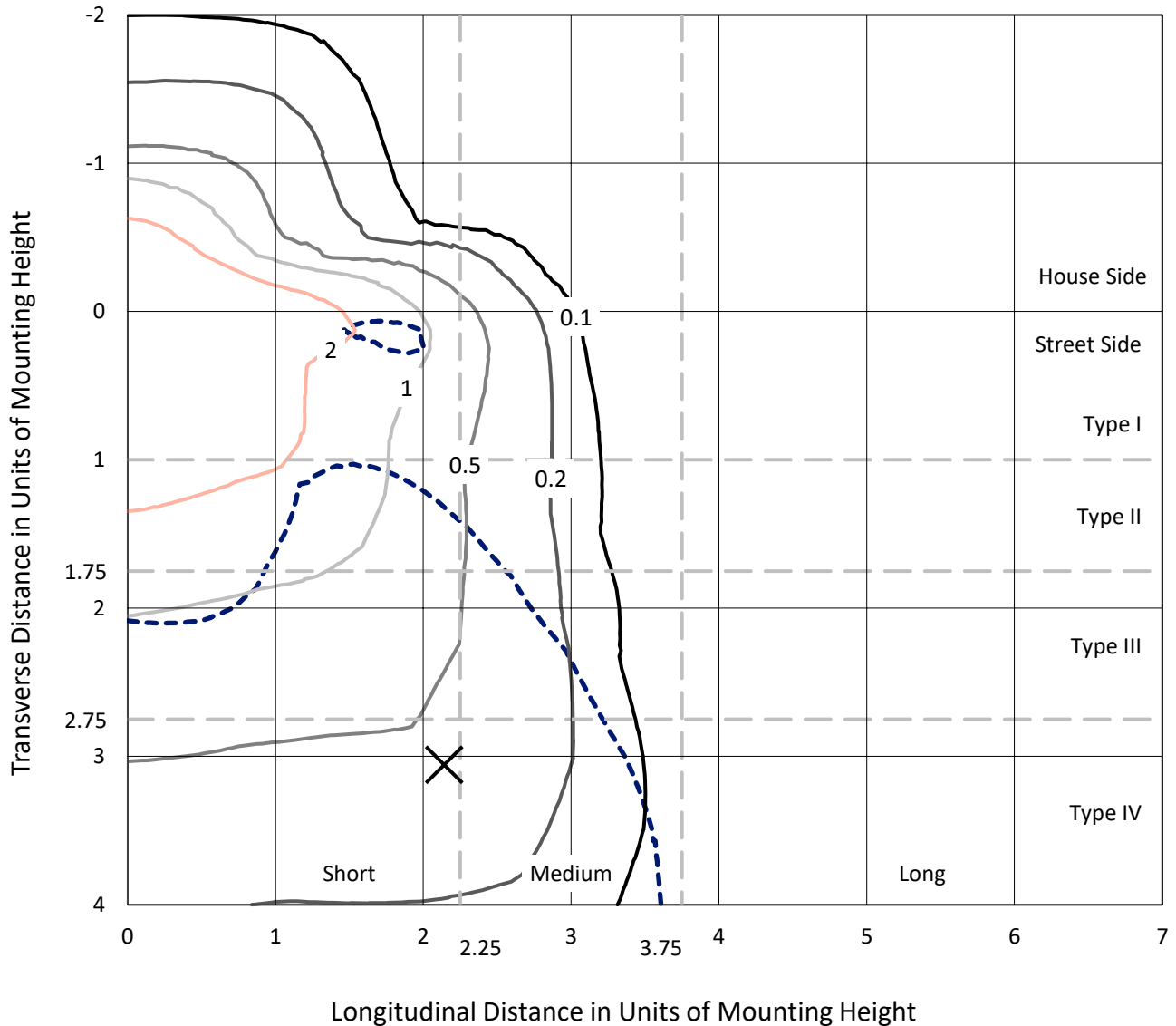
Lumens per Lamp: N/A
Luminaire Lumens: 6901.9 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

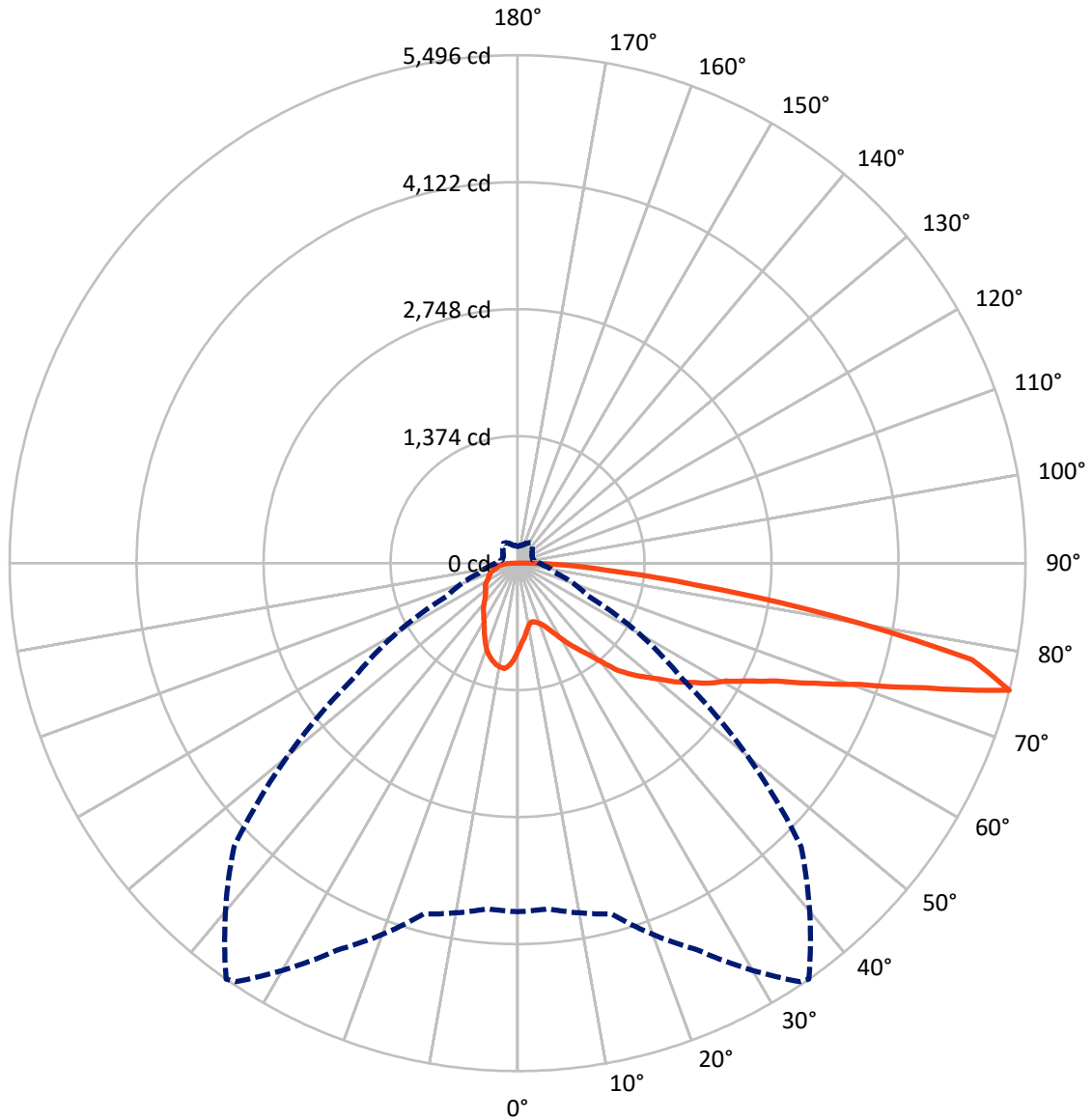
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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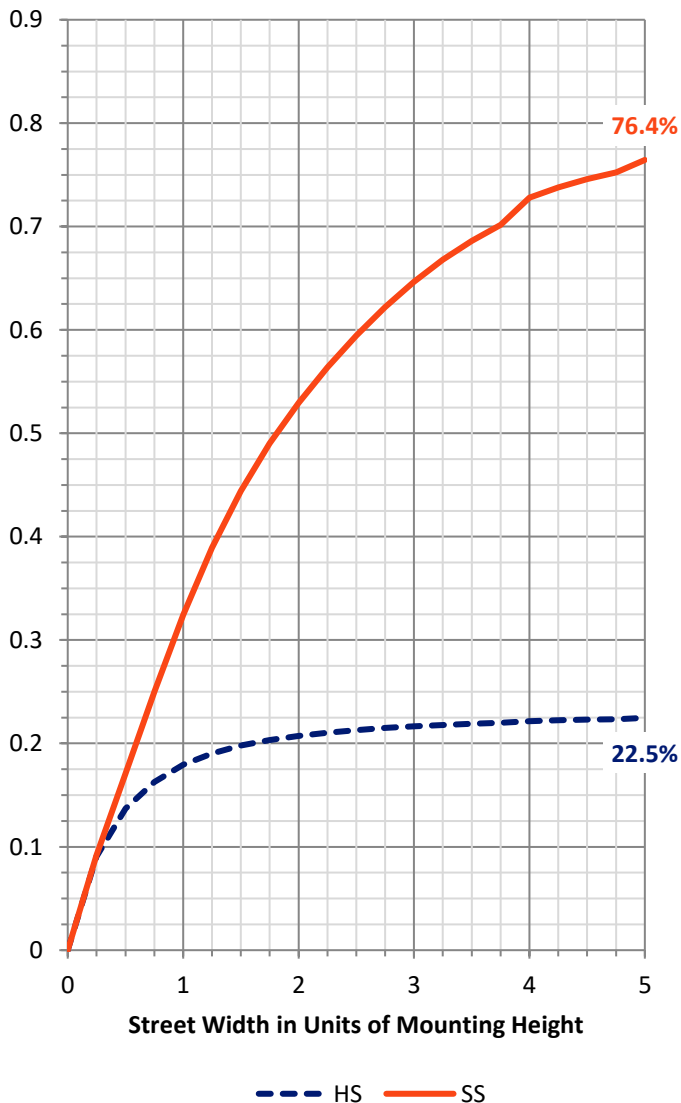
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1586.2	0.0	1586.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5315.7	0.0	5315.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	6901.9	0.0	6901.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.3
10°-20°	261.5	3.8
20°-30°	433.9	6.3
30°-40°	643.2	9.3
40°-50°	927.5	13.4
50°-60°	1275.4	18.5
60°-70°	1575.4	22.8
70°-80°	1441.2	20.9
80°-90°	253.7	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°	6901.9	100.0
0°-180°	6901.9	100.0



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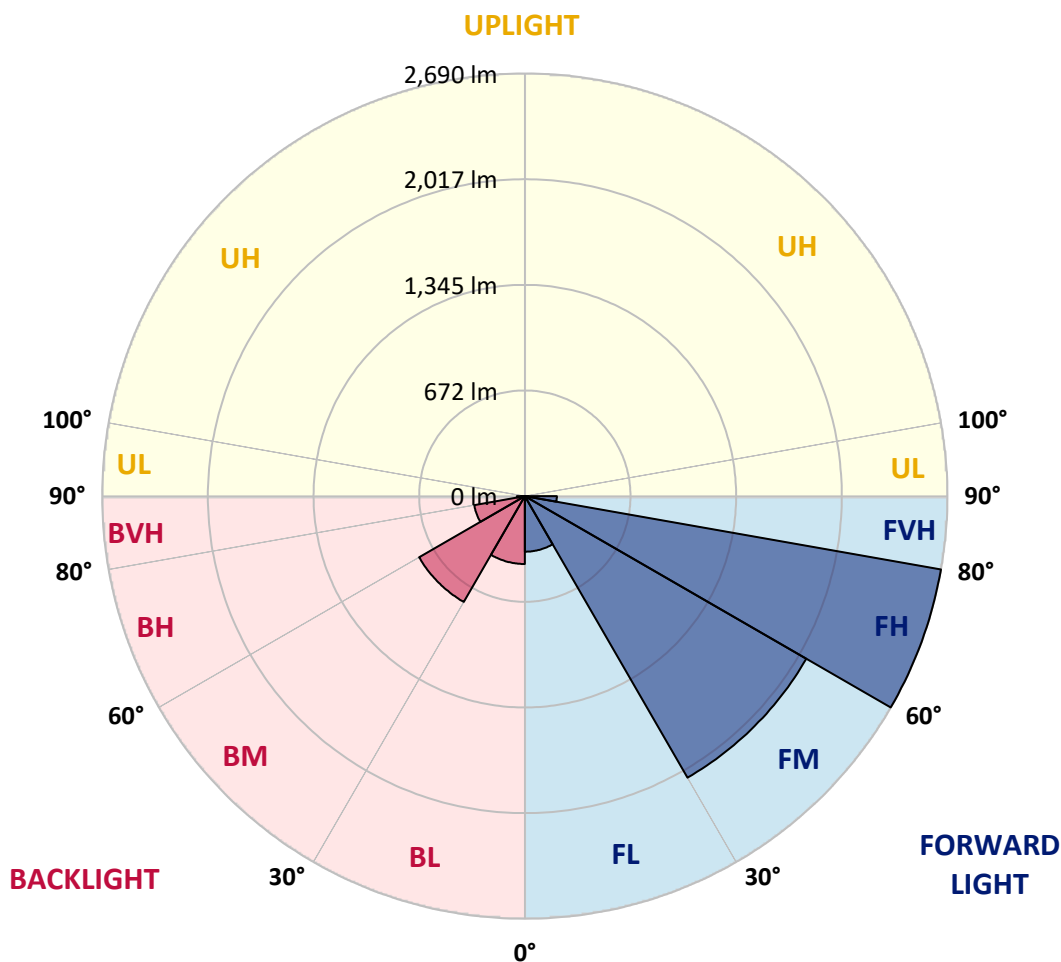
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.8	5.1			
FM (30°-60°)	2068.8	30.0			
FH (60°-80°)	2689.5	39.0			G2/5000
FVH (80°-90°)	203.6	3.0			G2/225
BL (0°-30°)	431.7	6.3	B1/500		
BM (30°-60°)	777.3	11.3	B1/1000		
BH (60°-80°)	327.1	4.7	B1/500		G1/500
BVH (80°-90°)	50.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6
2.5°	856.6	849.0	856.6	861.7	861.7	861.7	869.3	892.2	907.5	917.6	935.4
5°	767.7	770.2	775.3	788.0	795.6	800.7	813.4	841.4	864.3	897.3	935.4
7.5°	688.9	694.0	701.6	714.3	732.1	729.5	757.5	795.6	838.8	882.1	938.0
10°	648.2	658.4	660.9	663.4	681.2	681.2	719.4	762.6	816.0	871.9	938.0
12.5°	655.8	655.8	648.2	645.7	655.8	653.3	686.3	737.2	795.6	874.4	948.1
15°	678.7	678.7	663.4	648.2	663.4	658.4	686.3	727.0	795.6	877.0	968.5
17.5°	709.2	711.7	694.0	668.5	673.6	676.2	696.5	734.6	795.6	882.1	996.4
20°	770.2	757.5	729.5	688.9	706.7	699.0	729.5	762.6	810.9	902.4	1037.1
22.5°	823.6	823.6	770.2	734.6	737.2	737.2	765.1	793.1	833.8	930.4	1067.6
25°	910.0	904.9	838.8	785.5	790.5	793.1	808.3	841.4	871.9	945.6	1105.7
27.5°	1019.3	1006.6	940.5	879.5	859.2	866.8	874.4	899.9	907.5	971.0	1151.5
30°	1136.3	1118.5	1062.5	965.9	955.8	958.3	945.6	960.9	950.7	1011.7	1197.3
32.5°	1210.0	1210.0	1156.6	1085.4	1057.5	1057.5	1014.2	1024.4	1024.4	1049.8	1278.6
35°	1273.5	1268.4	1232.8	1179.5	1161.7	1151.5	1108.3	1123.5	1098.1	1123.5	1393.0
37.5°	1370.1	1354.9	1339.6	1304.0	1268.4	1260.8	1237.9	1248.1	1212.5	1199.8	1522.6
40°	1482.0	1474.3	1459.1	1443.8	1408.2	1405.7	1380.3	1390.4	1352.3	1304.0	1652.3
42.5°	1647.2	1624.3	1576.0	1563.3	1570.9	1581.1	1570.9	1553.1	1484.5	1423.5	1792.1
45°	1812.4	1776.8	1685.3	1665.0	1723.4	1715.8	1759.0	1751.4	1639.6	1543.0	1939.5
47.5°	1919.2	1888.7	1815.0	1802.2	1827.7	1837.8	1967.5	1944.6	1766.7	1652.3	2081.9
50°	1995.4	1998.0	1901.4	1934.4	1967.5	1967.5	2130.2	2127.6	1921.7	1787.0	2267.4
52.5°	2107.3	2071.7	2031.0	2061.5	2107.3	2132.7	2333.5	2277.6	2018.3	1901.4	2475.9
55°	2165.7	2150.5	2114.9	2168.3	2264.9	2277.6	2491.1	2447.9	2127.6	2036.1	2689.4
57.5°	2188.6	2201.3	2259.8	2282.7	2417.4	2450.4	2633.5	2572.5	2229.3	2203.9	2854.6
60°	2290.3	2272.5	2351.3	2442.8	2572.5	2590.2	2811.4	2679.2	2328.4	2313.2	2908.0
62.5°	2496.2	2450.4	2493.7	2603.0	2783.4	2806.3	2999.5	2821.6	2371.6	2386.9	2905.5
65°	2796.1	2763.1	2699.6	2786.0	3040.2	3073.2	3220.7	2943.6	2358.9	2361.5	2699.6
67.5°	3149.5	3096.1	3030.0	3083.4	3393.5	3469.8	3490.1	2997.0	2270.0	2219.1	2196.2
70°	3459.6	3424.0	3380.8	3472.3	3904.4	3932.4	3825.6	2963.9	2023.4	1781.9	1464.2
72.5°	3749.4	3731.6	3757.0	4100.2	4595.8	4613.6	4140.8	2755.5	1598.9	1080.3	681.2
75°	3772.3	3754.5	3929.9	4618.7	5462.7	5495.7	4336.6	2160.7	843.9	439.8	287.2
77.5°	2554.7	2608.0	2936.0	4044.2	5017.8	5025.4	3546.0	1004.1	348.2	259.3	200.8
80°	627.9	696.5	1105.7	2092.0	3383.3	3467.2	1942.1	338.1	228.8	198.3	150.0
82.5°	228.8	249.1	449.9	945.6	1901.4	1934.4	678.7	183.0	165.2	152.5	109.3
85°	109.3	111.8	213.5	465.2	960.9	950.7	244.0	109.3	119.5	104.2	66.1
87.5°	45.8	45.8	94.1	216.1	424.5	411.8	78.8	50.8	68.6	61.0	33.0
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°	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6	945.6
2.5°	948.1	953.2	973.6	988.8	1004.1	1016.8	1037.1	1037.1	1049.8	1049.8	1049.8
5°	945.6	973.6	1006.6	1042.2	1065.1	1088.0	1108.3	1110.8	1118.5	1128.6	1131.2
7.5°	955.8	983.7	1037.1	1088.0	1115.9	1126.1	1151.5	1143.9	1143.9	1143.9	1151.5
10°	976.1	1006.6	1080.3	1126.1	1146.4	1149.0	1141.3	1136.3	1121.0	1115.9	1108.3
12.5°	991.4	1044.7	1118.5	1154.0	1146.4	1138.8	1121.0	1095.6	1077.8	1072.7	1072.7
15°	1029.5	1082.9	1151.5	1164.2	1151.5	1110.8	1088.0	1060.0	1044.7	1021.9	1032.0
17.5°	1062.5	1123.5	1184.5	1169.3	1143.9	1080.3	1047.3	1006.6	986.3	960.9	960.9
20°	1105.7	1161.7	1215.1	1174.4	1118.5	1049.8	996.4	945.6	917.6	892.2	897.3
22.5°	1154.0	1204.9	1232.8	1154.0	1080.3	1001.5	927.8	879.5	843.9	828.7	833.8
25°	1192.2	1248.1	1243.0	1121.0	1034.6	940.5	859.2	813.4	805.8	790.5	790.5
27.5°	1240.5	1298.9	1235.4	1080.3	958.3	843.9	793.1	775.3	775.3	767.7	772.8
30°	1304.0	1344.7	1217.6	1021.9	861.7	757.5	732.1	742.3	760.0	752.4	755.0
32.5°	1408.2	1403.2	1202.3	955.8	760.0	673.6	691.4	711.7	727.0	734.6	739.7
35°	1509.9	1476.9	1184.5	866.8	666.0	632.9	648.2	671.1	699.0	706.7	709.2
37.5°	1611.6	1553.1	1154.0	757.5	607.5	597.4	612.6	625.3	648.2	653.3	658.4
40°	1718.4	1604.0	1100.7	650.7	559.2	559.2	569.4	571.9	584.6	592.3	597.4
42.5°	1812.4	1652.3	1004.1	551.6	508.4	526.2	528.7	523.6	513.5	518.6	521.1
45°	1926.8	1705.6	892.2	480.4	470.3	493.1	498.2	477.9	460.1	449.9	444.8
47.5°	2038.6	1761.6	795.6	422.0	434.7	470.3	470.3	447.4	416.9	391.5	381.3
50°	2140.3	1817.5	716.8	386.4	399.1	452.5	457.6	414.3	381.3	350.8	345.7
52.5°	2310.6	1911.5	635.5	358.4	378.8	439.8	437.2	399.1	355.9	322.8	320.3
55°	2460.6	2005.6	528.7	330.5	358.4	422.0	429.6	383.8	325.4	294.9	289.8
57.5°	2569.9	2028.5	422.0	302.5	338.1	401.6	411.8	353.3	305.0	279.6	277.1
60°	2590.2	1939.5	343.2	279.6	310.1	373.7	381.3	335.5	289.8	269.4	264.4
62.5°	2496.2	1769.2	292.3	259.3	287.2	345.7	361.0	315.2	274.5	256.7	254.2
65°	2282.7	1520.1	256.7	241.5	272.0	325.4	343.2	300.0	261.8	246.6	244.0
67.5°	1807.3	1166.8	228.8	228.8	251.7	305.0	330.5	289.8	249.1	238.9	236.4
70°	1182.0	701.6	208.4	211.0	236.4	287.2	315.2	277.1	233.9	231.3	226.2
72.5°	508.4	322.8	185.6	193.2	213.5	256.7	292.3	259.3	216.1	208.4	200.8
75°	233.9	195.7	167.8	172.9	190.6	226.2	264.4	238.9	200.8	188.1	180.5
77.5°	165.2	142.3	139.8	150.0	162.7	195.7	233.9	223.7	185.6	175.4	170.3
80°	122.0	109.3	116.9	127.1	134.7	180.5	221.1	205.9	170.3	155.1	147.4
82.5°	86.4	81.3	91.5	101.7	109.3	157.6	203.4	180.5	142.3	129.6	116.9
85°	50.8	53.4	63.5	68.6	76.3	116.9	170.3	144.9	109.3	83.9	81.3
87.5°	22.9	22.9	30.5	33.0	38.1	68.6	114.4	91.5	68.6	53.4	50.8
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)