

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: P670951

Luminaire Tested: **CCP-SA-1E-735-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670951
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-735-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T4FT distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

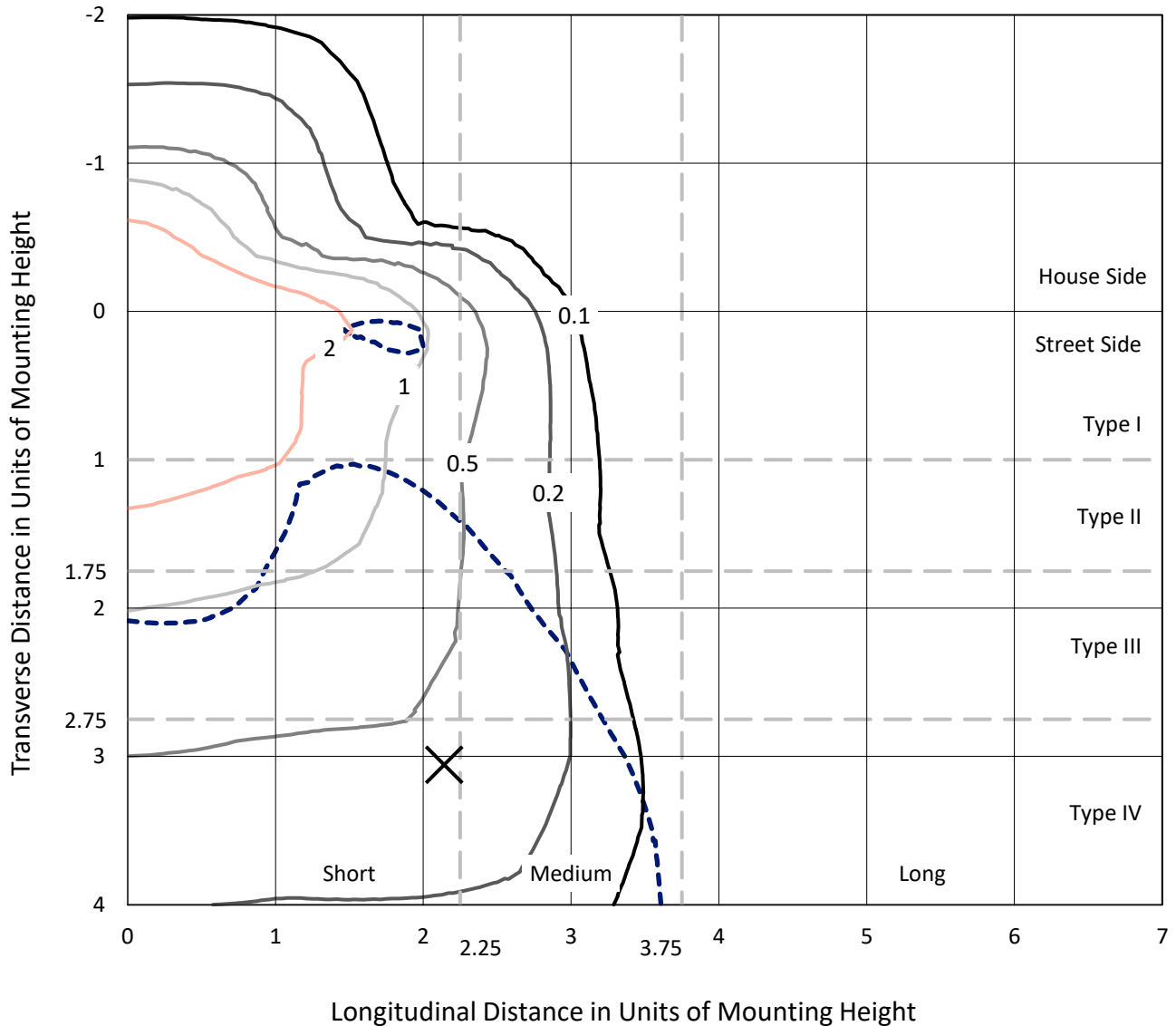
Lumens per Lamp: N/A
Luminaire Lumens: 6739.2 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

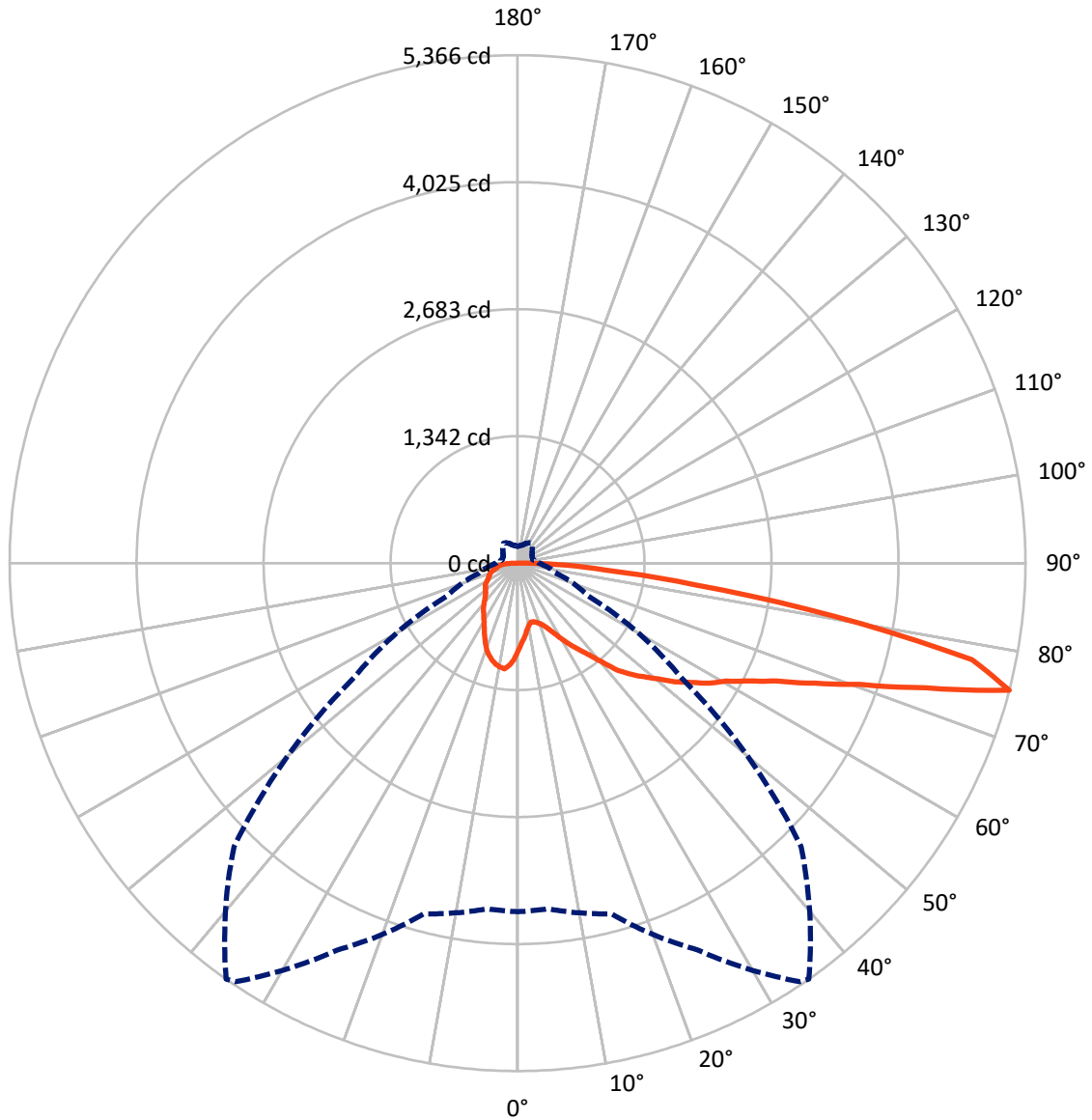
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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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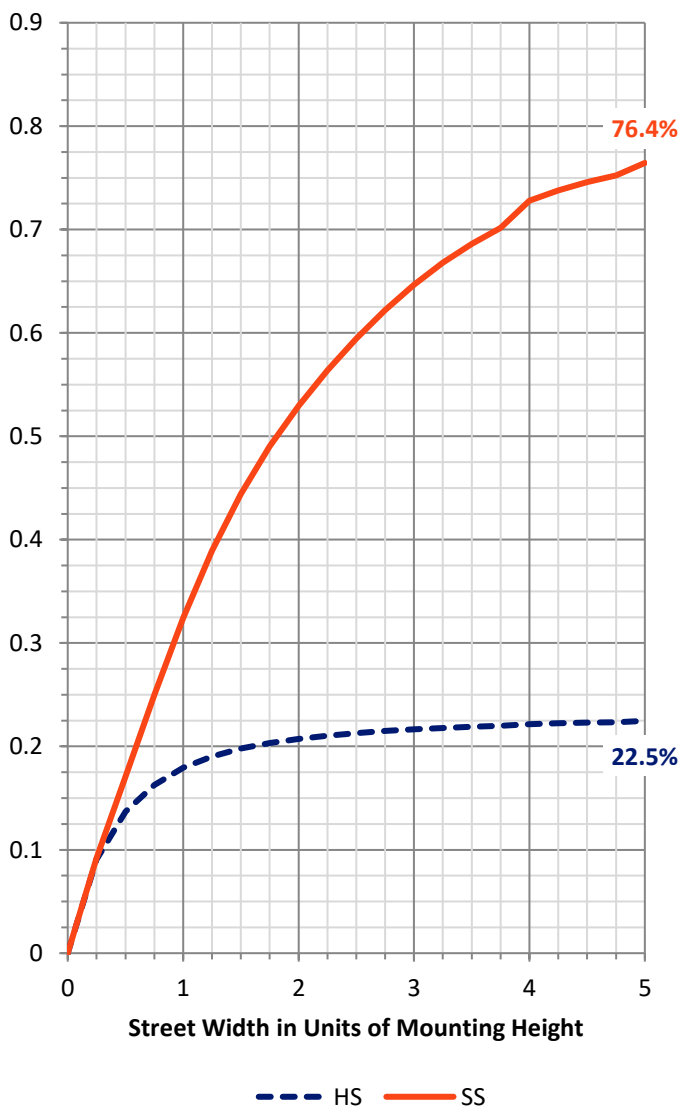
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1548.8	0.0	1548.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5190.4	0.0	5190.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	6739.2	0.0	6739.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	1.3
10°-20°	255.3	3.8
20°-30°	423.7	6.3
30°-40°	628.1	9.3
40°-50°	905.6	13.4
50°-60°	1245.3	18.5
60°-70°	1538.2	22.8
70°-80°	1407.3	20.9
80°-90°	247.7	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°	6739.2	100.0
0°-180°	6739.2	100.0



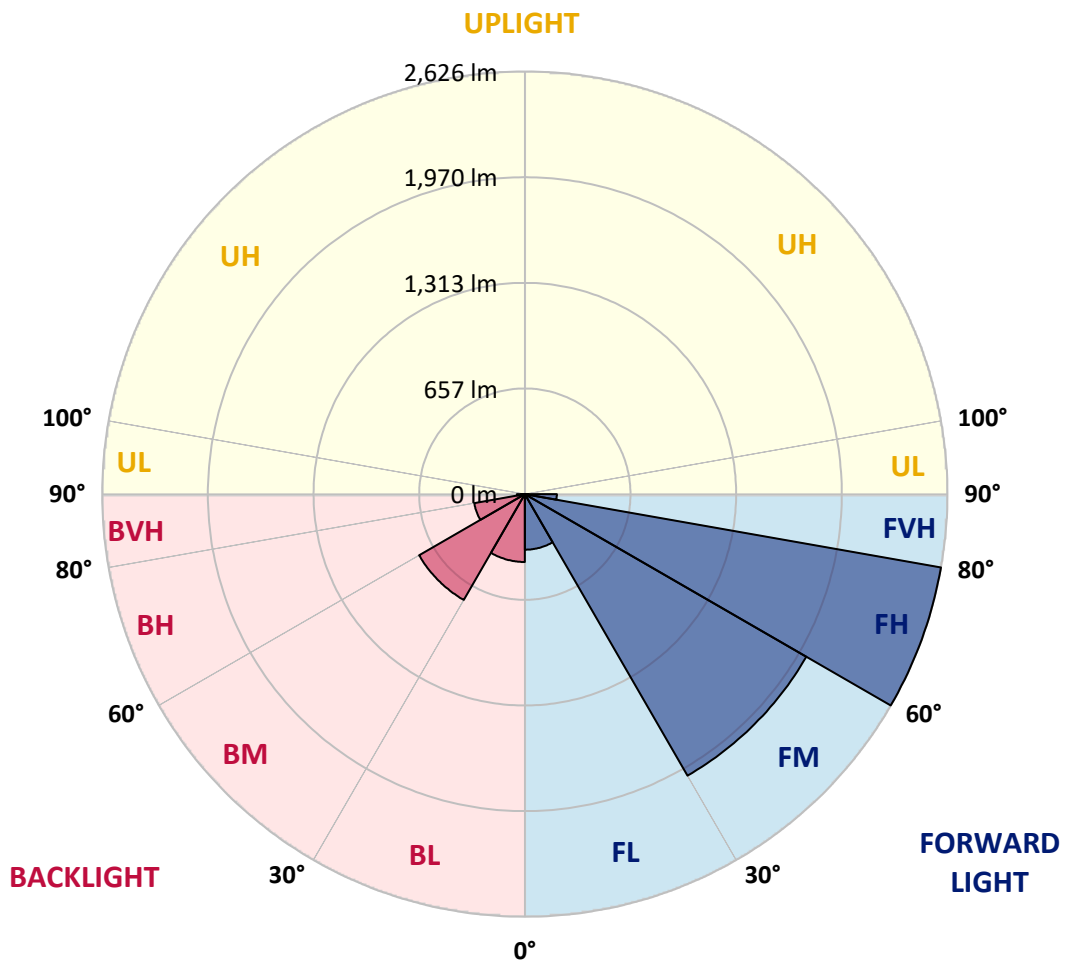
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.4	5.1			
FM (30°-60°)	2020.0	30.0			
FH (60°-80°)	2626.1	39.0			G2/5000
FVH (80°-90°)	198.8	3.0			G2/225
BL (0°-30°)	421.6	6.3	B1/500		
BM (30°-60°)	759.0	11.3	B1/1000		
BH (60°-80°)	319.4	4.7	B1/500		G1/500
BVH (80°-90°)	48.9	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°	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3
2.5°	836.4	829.0	836.4	841.4	841.4	841.4	848.8	871.2	886.1	896.0	913.4
5°	749.6	752.1	757.0	769.4	776.9	781.8	794.2	821.5	843.9	876.2	913.4
7.5°	672.6	677.6	685.0	697.4	714.8	712.3	739.6	776.9	819.1	861.3	915.9
10°	632.9	642.8	645.3	647.8	665.2	665.2	702.4	744.6	796.7	851.3	915.9
12.5°	640.4	640.4	632.9	630.4	640.4	637.9	670.1	719.8	776.9	853.8	925.8
15°	662.7	662.7	647.8	632.9	647.8	642.8	670.1	709.9	776.9	856.3	945.6
17.5°	692.5	695.0	677.6	652.8	657.7	660.2	680.1	717.3	776.9	861.3	973.0
20°	752.1	739.6	712.3	672.6	690.0	682.6	712.3	744.6	791.8	881.1	1012.7
22.5°	804.2	804.2	752.1	717.3	719.8	719.8	747.1	774.4	814.1	908.4	1042.4
25°	888.6	883.6	819.1	766.9	771.9	774.4	789.3	821.5	851.3	923.3	1079.7
27.5°	995.3	982.9	918.3	858.8	838.9	846.4	853.8	878.6	886.1	948.1	1124.4
30°	1109.5	1092.1	1037.5	943.2	933.2	935.7	923.3	938.2	928.3	987.8	1169.0
32.5°	1181.4	1181.4	1129.3	1059.8	1032.5	1032.5	990.3	1000.3	1000.3	1025.1	1248.5
35°	1243.5	1238.5	1203.8	1151.7	1134.3	1124.4	1082.2	1097.1	1072.2	1097.1	1360.1
37.5°	1337.8	1322.9	1308.0	1273.3	1238.5	1231.1	1208.7	1218.7	1183.9	1171.5	1486.7
40°	1447.0	1439.6	1424.7	1409.8	1375.0	1372.6	1347.7	1357.7	1320.4	1273.3	1613.3
42.5°	1608.3	1586.0	1538.9	1526.4	1533.9	1543.8	1533.9	1516.5	1449.5	1389.9	1749.8
45°	1769.7	1734.9	1645.6	1625.7	1682.8	1675.4	1717.6	1710.1	1600.9	1506.6	1893.8
47.5°	1873.9	1844.1	1772.2	1759.7	1784.6	1794.5	1921.1	1898.7	1725.0	1613.3	2032.8
50°	1948.4	1950.9	1856.5	1888.8	1921.1	1921.1	2079.9	2077.4	1876.4	1744.9	2214.0
52.5°	2057.6	2022.8	1983.1	2012.9	2057.6	2082.4	2278.5	2223.9	1970.7	1856.5	2417.5
55°	2114.7	2099.8	2065.0	2117.2	2211.5	2223.9	2432.4	2390.2	2077.4	1988.1	2626.0
57.5°	2137.0	2149.4	2206.5	2228.9	2360.4	2392.7	2571.4	2511.8	2176.7	2151.9	2787.3
60°	2236.3	2218.9	2295.9	2385.2	2511.8	2529.2	2745.1	2616.0	2273.5	2258.6	2839.4
62.5°	2437.3	2392.7	2434.9	2541.6	2717.8	2740.1	2928.8	2755.0	2315.7	2330.6	2836.9
65°	2730.2	2698.0	2635.9	2720.3	2968.5	3000.8	3144.7	2874.2	2303.3	2305.8	2635.9
67.5°	3075.2	3023.1	2958.6	3010.7	3313.5	3388.0	3407.8	2926.3	2216.4	2166.8	2144.5
70°	3378.0	3343.3	3301.1	3390.4	3812.4	3839.7	3735.4	2894.0	1975.7	1739.9	1429.6
72.5°	3661.0	3643.6	3668.4	4003.5	4487.5	4504.9	4043.2	2690.5	1561.2	1054.9	665.2
75°	3683.3	3665.9	3837.2	4509.8	5333.9	5366.1	4234.3	2109.7	824.0	429.4	280.5
77.5°	2494.4	2546.5	2866.7	3948.9	4899.5	4906.9	3462.4	980.4	340.0	253.2	196.1
80°	613.1	680.1	1079.7	2042.7	3303.6	3385.5	1896.3	330.1	223.4	193.6	146.4
82.5°	223.4	243.2	439.3	923.3	1856.5	1888.8	662.7	178.7	161.3	148.9	106.7
85°	106.7	109.2	208.5	454.2	938.2	928.3	238.3	106.7	116.7	101.8	64.5
87.5°	44.7	44.7	91.8	211.0	414.5	402.1	76.9	49.6	67.0	59.6	32.3
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°	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3
2.5°	925.8	930.8	950.6	965.5	980.4	992.8	1012.7	1012.7	1025.1	1025.1	1025.1
5°	923.3	950.6	982.9	1017.6	1040.0	1062.3	1082.2	1084.6	1092.1	1102.0	1104.5
7.5°	933.2	960.5	1012.7	1062.3	1089.6	1099.5	1124.4	1116.9	1116.9	1116.9	1124.4
10°	953.1	982.9	1054.9	1099.5	1119.4	1121.9	1114.4	1109.5	1094.6	1089.6	1082.2
12.5°	968.0	1020.1	1092.1	1126.8	1119.4	1111.9	1094.6	1069.7	1052.4	1047.4	1047.4
15°	1005.2	1057.3	1124.4	1136.8	1124.4	1084.6	1062.3	1035.0	1020.1	997.8	1007.7
17.5°	1037.5	1097.1	1156.6	1141.7	1116.9	1054.9	1022.6	982.9	963.0	938.2	938.2
20°	1079.7	1134.3	1186.4	1146.7	1092.1	1025.1	973.0	923.3	896.0	871.2	876.2
22.5°	1126.8	1176.5	1203.8	1126.8	1054.9	977.9	905.9	858.8	824.0	809.1	814.1
25°	1164.1	1218.7	1213.7	1094.6	1010.2	918.3	838.9	794.2	786.8	771.9	771.9
27.5°	1211.2	1268.3	1206.3	1054.9	935.7	824.0	774.4	757.0	757.0	749.6	754.5
30°	1273.3	1313.0	1188.9	997.8	841.4	739.6	714.8	724.7	742.1	734.7	737.2
32.5°	1375.0	1370.1	1174.0	933.2	742.1	657.7	675.1	695.0	709.9	717.3	722.3
35°	1474.3	1442.1	1156.6	846.4	650.3	618.0	632.9	655.3	682.6	690.0	692.5
37.5°	1573.6	1516.5	1126.8	739.6	593.2	583.3	598.2	610.6	632.9	637.9	642.8
40°	1677.8	1566.2	1074.7	635.4	546.0	546.0	556.0	558.5	570.9	578.3	583.3
42.5°	1769.7	1613.3	980.4	538.6	496.4	513.8	516.3	511.3	501.4	506.3	508.8
45°	1881.4	1665.4	871.2	469.1	459.2	481.5	486.5	466.6	449.2	439.3	434.4
47.5°	1990.6	1720.0	776.9	412.0	424.4	459.2	459.2	436.8	407.1	382.2	372.3
50°	2089.9	1774.6	699.9	377.3	389.7	441.8	446.8	404.6	372.3	342.5	337.6
52.5°	2256.2	1866.5	620.5	350.0	369.8	429.4	426.9	389.7	347.5	315.2	312.7
55°	2402.6	1958.3	516.3	322.7	350.0	412.0	419.5	374.8	317.7	287.9	282.9
57.5°	2509.3	1980.6	412.0	295.4	330.1	392.2	402.1	345.0	297.8	273.0	270.5
60°	2529.2	1893.8	335.1	273.0	302.8	364.9	372.3	327.6	282.9	263.1	258.1
62.5°	2437.3	1727.5	285.4	253.2	280.5	337.6	352.4	307.8	268.1	250.7	248.2
65°	2228.9	1484.2	250.7	235.8	265.6	317.7	335.1	292.9	255.6	240.8	238.3
67.5°	1764.7	1139.2	223.4	223.4	245.7	297.8	322.7	282.9	243.2	233.3	230.8
70°	1154.1	685.0	203.5	206.0	230.8	280.5	307.8	270.5	228.3	225.9	220.9
72.5°	496.4	315.2	181.2	188.6	208.5	250.7	285.4	253.2	211.0	203.5	196.1
75°	228.3	191.1	163.8	168.8	186.2	220.9	258.1	233.3	196.1	183.7	176.2
77.5°	161.3	139.0	136.5	146.4	158.8	191.1	228.3	218.4	181.2	171.3	166.3
80°	119.1	106.7	114.2	124.1	131.5	176.2	215.9	201.0	166.3	151.4	144.0
82.5°	84.4	79.4	89.4	99.3	106.7	153.9	198.6	176.2	139.0	126.6	114.2
85°	49.6	52.1	62.1	67.0	74.5	114.2	166.3	141.5	106.7	81.9	79.4
87.5°	22.3	22.3	29.8	32.3	37.2	67.0	111.7	89.4	67.0	52.1	49.6
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)