

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: P670933

Luminaire Tested: **CCP-SA-2C-727-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670933
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

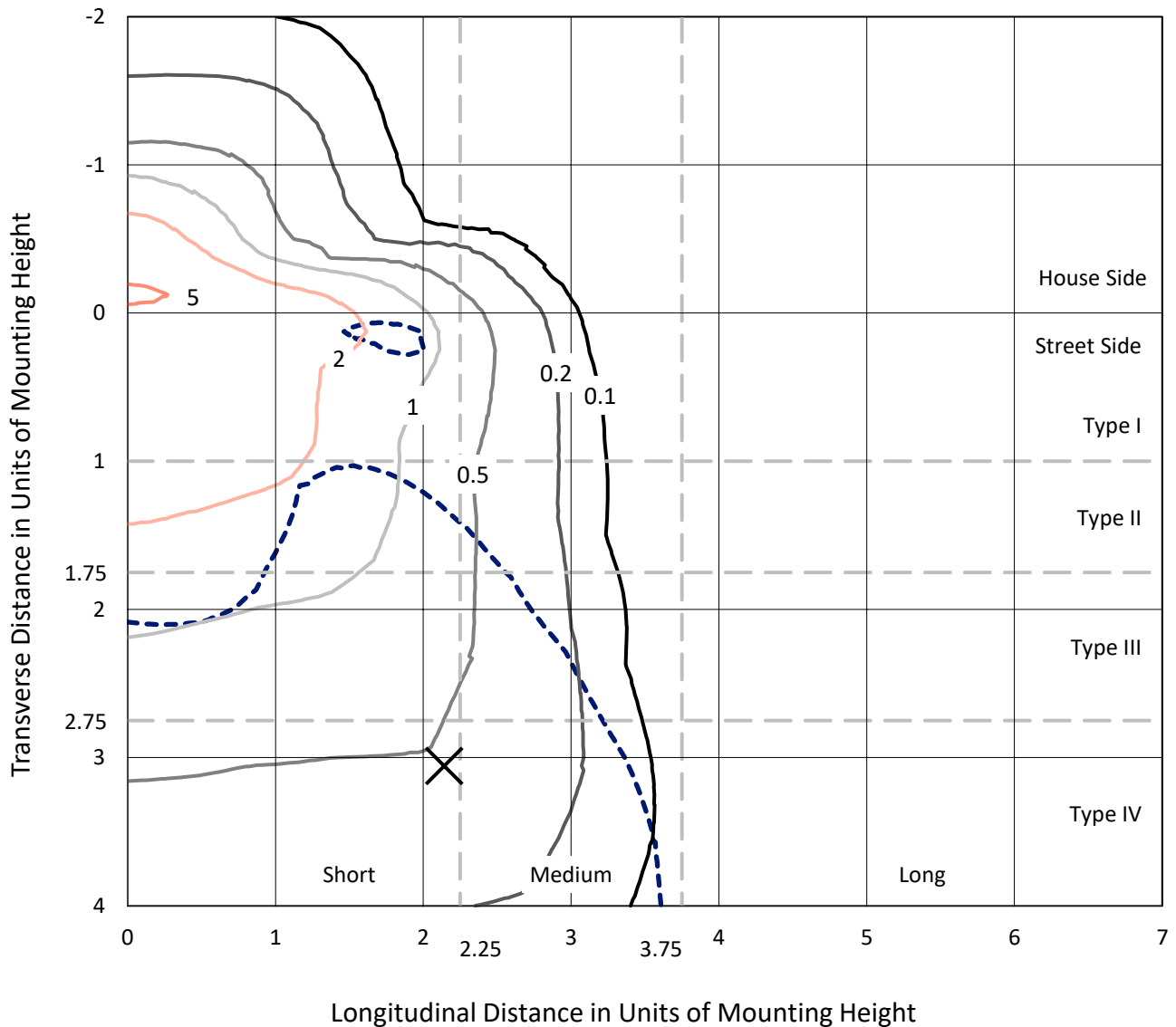
Lumens per Lamp: N/A
Luminaire Lumens: 7556.8 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

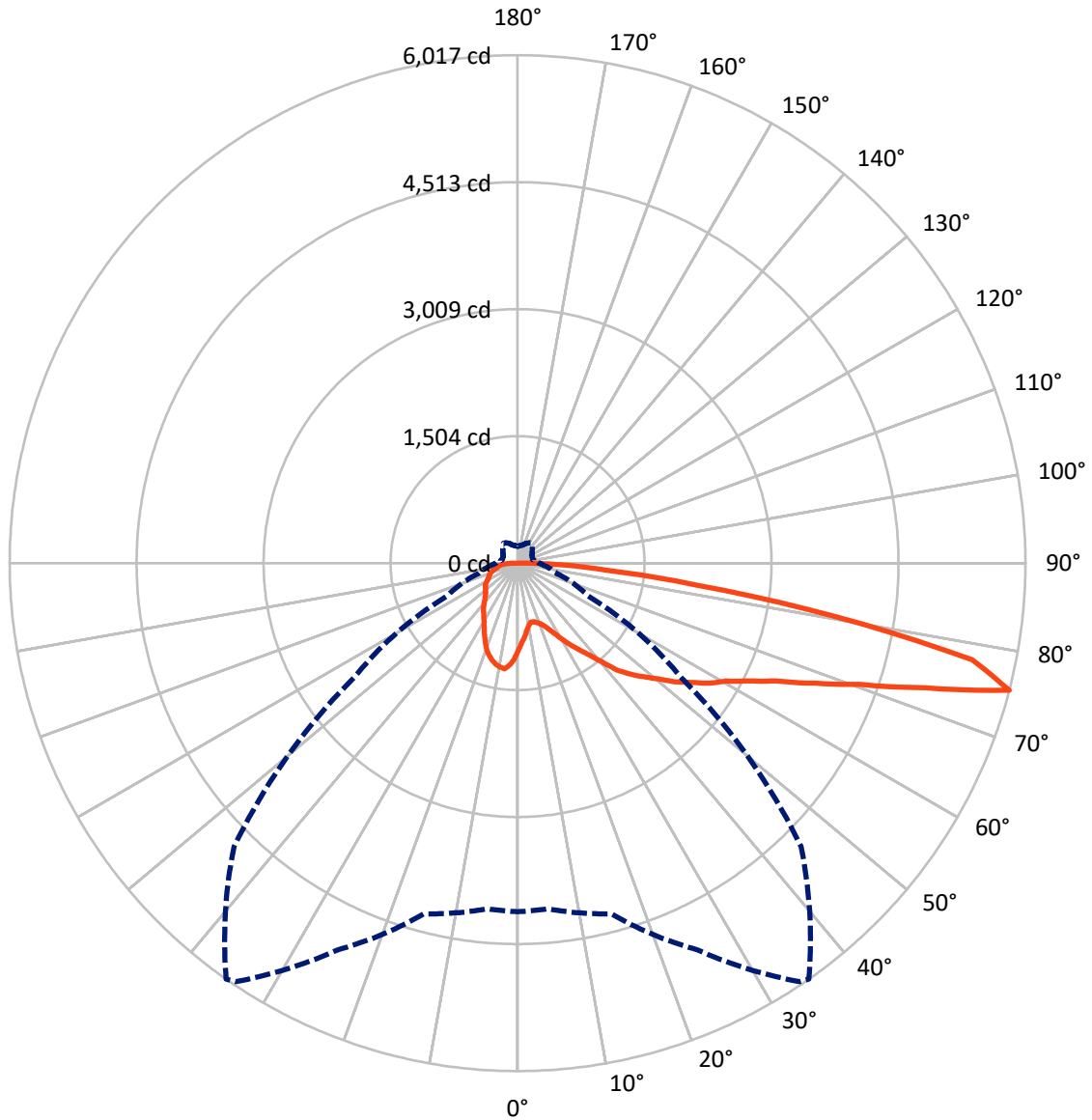
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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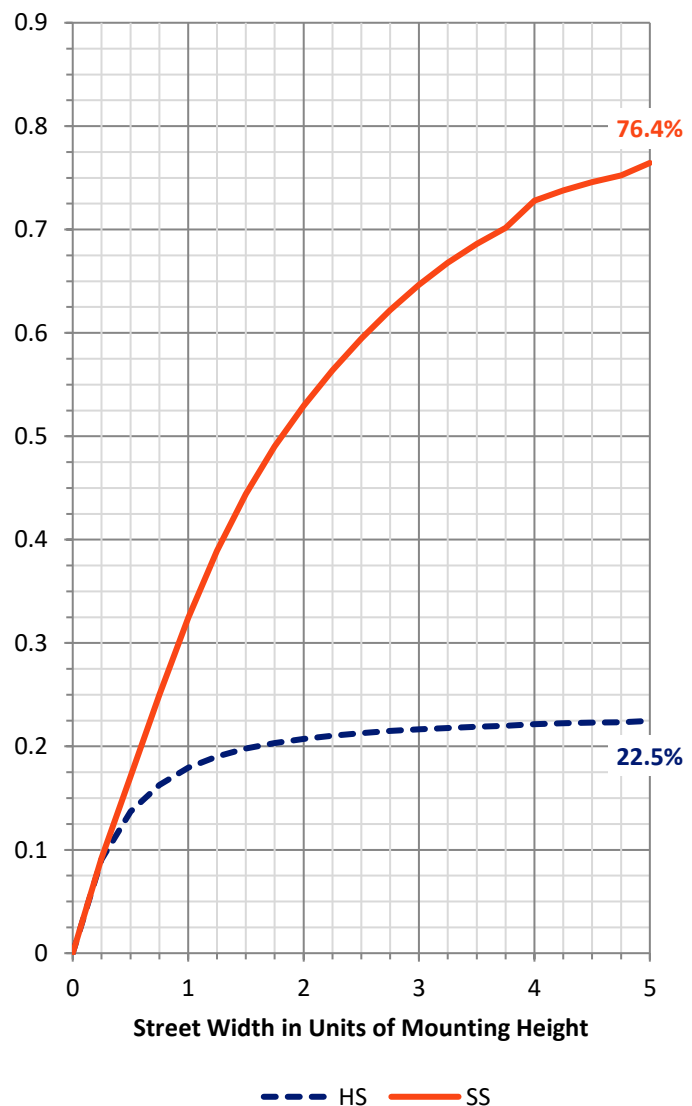
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1736.7	0.0	1736.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5820.0	0.0	5820.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	7556.8	0.0	7556.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	1.3
10°-20°	286.3	3.8
20°-30°	475.1	6.3
30°-40°	704.2	9.3
40°-50°	1015.4	13.4
50°-60°	1396.4	18.5
60°-70°	1724.8	22.8
70°-80°	1578.0	20.9
80°-90°	277.8	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°	7556.8	100.0
0°-180°	7556.8	100.0



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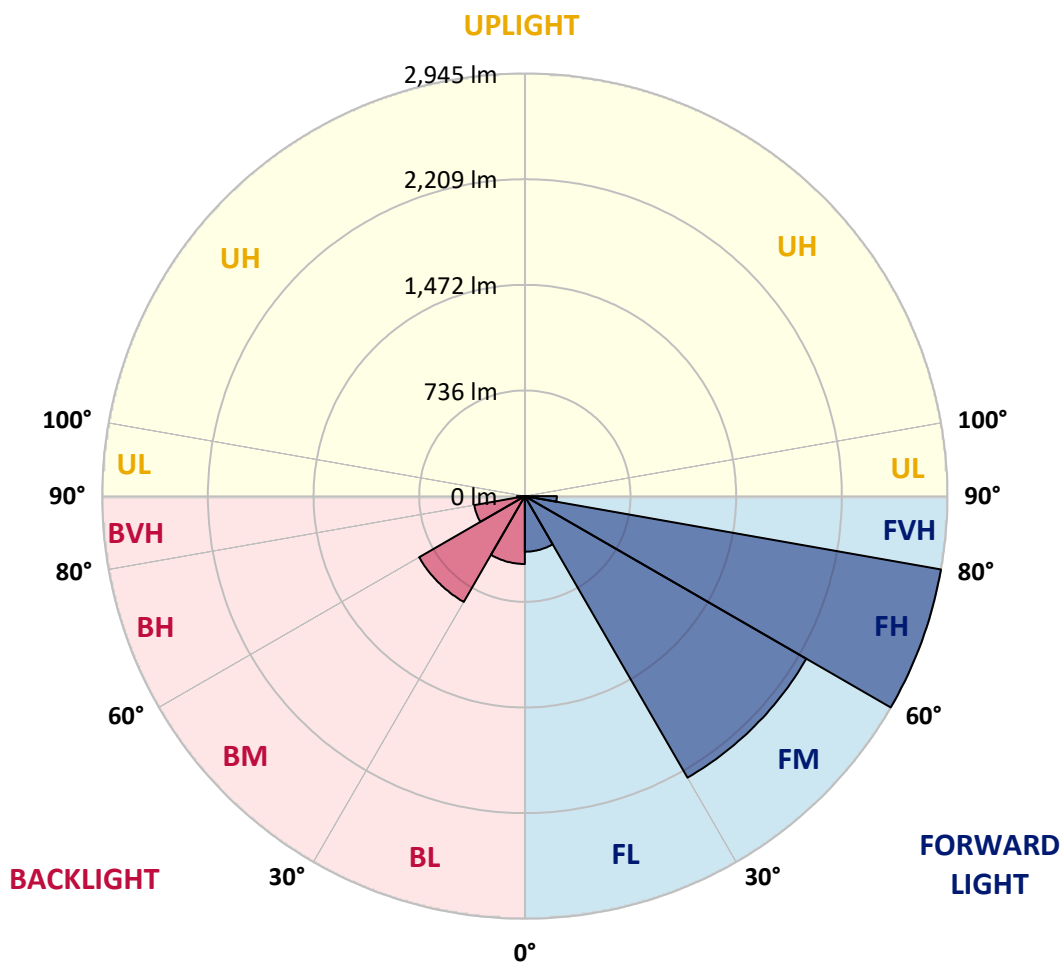
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.3	5.1			
FM (30°-60°)	2265.0	30.0			
FH (60°-80°)	2944.7	39.0			G2/5000
FVH (80°-90°)	222.9	3.0			G2/225
BL (0°-30°)	472.7	6.3	B1/500		
BM (30°-60°)	851.0	11.3	B1/1000		
BH (60°-80°)	358.1	4.7	B1/500		G1/500
BVH (80°-90°)	54.9	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°	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3
2.5°	937.9	929.6	937.9	943.5	943.5	943.5	951.8	976.9	993.6	1004.7	1024.2
5°	840.5	843.3	848.9	862.8	871.1	876.7	890.6	921.2	946.3	982.4	1024.2
7.5°	754.2	759.8	768.1	782.1	801.5	798.8	829.4	871.1	918.4	965.7	1027.0
10°	709.7	720.8	723.6	726.4	745.9	745.9	787.6	834.9	893.4	954.6	1027.0
12.5°	718.0	718.0	709.7	706.9	718.0	715.3	751.4	807.1	871.1	957.4	1038.1
15°	743.1	743.1	726.4	709.7	726.4	720.8	751.4	796.0	871.1	960.2	1060.4
17.5°	776.5	779.3	759.8	732.0	737.5	740.3	762.6	804.3	871.1	965.7	1091.0
20°	843.3	829.4	798.8	754.2	773.7	765.4	798.8	834.9	887.8	988.0	1135.5
22.5°	901.7	901.7	843.3	804.3	807.1	807.1	837.7	868.3	912.9	1018.6	1168.9
25°	996.4	990.8	918.4	860.0	865.5	868.3	885.0	921.2	954.6	1035.3	1210.7
27.5°	1116.0	1102.1	1029.8	963.0	940.7	949.0	957.4	985.2	993.6	1063.2	1260.8
30°	1244.1	1224.6	1163.3	1057.6	1046.5	1049.2	1035.3	1052.0	1040.9	1107.7	1310.8
32.5°	1324.8	1324.8	1266.3	1188.4	1157.8	1157.8	1110.5	1121.6	1121.6	1149.4	1399.9
35°	1394.3	1388.8	1349.8	1291.4	1271.9	1260.8	1213.4	1230.1	1202.3	1230.1	1525.1
37.5°	1500.1	1483.4	1466.7	1427.7	1388.8	1380.4	1355.4	1366.5	1327.5	1313.6	1667.1
40°	1622.6	1614.2	1597.5	1580.8	1541.8	1539.1	1511.2	1522.4	1480.6	1427.7	1809.0
42.5°	1803.5	1778.4	1725.5	1711.6	1720.0	1731.1	1720.0	1700.5	1625.3	1558.5	1962.1
45°	1984.4	1945.4	1845.2	1822.9	1887.0	1878.6	1925.9	1917.6	1795.1	1689.4	2123.5
47.5°	2101.3	2067.9	1987.1	1973.2	2001.1	2012.2	2154.1	2129.1	1934.3	1809.0	2279.4
50°	2184.7	2187.5	2081.8	2118.0	2154.1	2154.1	2332.3	2329.5	2104.0	1956.5	2482.5
52.5°	2307.2	2268.2	2223.7	2257.1	2307.2	2335.0	2554.9	2493.7	2209.8	2081.8	2710.8
55°	2371.2	2354.5	2315.6	2374.0	2479.8	2493.7	2727.5	2680.1	2329.5	2229.3	2944.5
57.5°	2396.3	2410.2	2474.2	2499.2	2646.7	2682.9	2883.3	2816.5	2440.8	2413.0	3125.4
60°	2507.6	2488.1	2574.4	2674.6	2816.5	2836.0	3078.1	2933.4	2549.3	2532.6	3183.9
62.5°	2733.0	2682.9	2730.2	2849.9	3047.5	3072.6	3284.1	3089.3	2596.6	2613.3	3181.1
65°	3061.4	3025.2	2955.7	3050.3	3328.6	3364.8	3526.2	3222.9	2582.7	2585.5	2955.7
67.5°	3448.3	3389.8	3317.5	3375.9	3715.5	3799.0	3821.2	3281.3	2485.3	2429.7	2404.6
70°	3787.8	3748.9	3701.5	3801.7	4274.9	4305.5	4188.6	3245.1	2215.4	1951.0	1603.1
72.5°	4105.1	4085.6	4113.4	4489.2	5031.9	5051.4	4533.7	3016.9	1750.6	1182.8	745.9
75°	4130.1	4110.7	4302.7	5056.9	5980.9	6017.1	4748.0	2365.7	924.0	481.5	314.5
77.5°	2797.0	2855.5	3214.5	4427.9	5493.9	5502.2	3882.5	1099.3	381.3	283.9	219.9
80°	687.4	762.6	1210.7	2290.5	3704.3	3796.2	2126.3	370.2	250.5	217.1	164.2
82.5°	250.5	272.7	492.6	1035.3	2081.8	2118.0	743.1	200.4	180.9	167.0	119.7
85°	119.7	122.5	233.8	509.3	1052.0	1040.9	267.2	119.7	130.8	114.1	72.4
87.5°	50.1	50.1	103.0	236.6	464.8	450.9	86.3	55.7	75.1	66.8	36.2
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°	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3
2.5°	1038.1	1043.7	1065.9	1082.6	1099.3	1113.2	1135.5	1135.5	1149.4	1149.4	1149.4
5°	1035.3	1065.9	1102.1	1141.1	1166.1	1191.2	1213.4	1216.2	1224.6	1235.7	1238.5
7.5°	1046.5	1077.1	1135.5	1191.2	1221.8	1232.9	1260.8	1252.4	1252.4	1252.4	1260.8
10°	1068.7	1102.1	1182.8	1232.9	1255.2	1258.0	1249.6	1244.1	1227.4	1221.8	1213.4
12.5°	1085.4	1143.9	1224.6	1263.5	1255.2	1246.8	1227.4	1199.5	1180.0	1174.5	1174.5
15°	1127.2	1185.6	1260.8	1274.7	1260.8	1216.2	1191.2	1160.6	1143.9	1118.8	1129.9
17.5°	1163.3	1230.1	1296.9	1280.2	1252.4	1182.8	1146.6	1102.1	1079.8	1052.0	1052.0
20°	1210.7	1271.9	1330.3	1285.8	1224.6	1149.4	1091.0	1035.3	1004.7	976.9	982.4
22.5°	1263.5	1319.2	1349.8	1263.5	1182.8	1096.5	1015.8	963.0	924.0	907.3	912.9
25°	1305.3	1366.5	1360.9	1227.4	1132.7	1029.8	940.7	890.6	882.2	865.5	865.5
27.5°	1358.2	1422.2	1352.6	1182.8	1049.2	924.0	868.3	848.9	848.9	840.5	846.1
30°	1427.7	1472.3	1333.1	1118.8	943.5	829.4	801.5	812.7	832.2	823.8	826.6
32.5°	1541.8	1536.3	1316.4	1046.5	832.2	737.5	757.0	779.3	796.0	804.3	809.9
35°	1653.2	1617.0	1296.9	949.0	729.2	693.0	709.7	734.7	765.4	773.7	776.5
37.5°	1764.5	1700.5	1263.5	829.4	665.2	654.0	670.7	684.6	709.7	715.3	720.8
40°	1881.4	1756.1	1205.1	712.5	612.3	612.3	623.4	626.2	640.1	648.5	654.0
42.5°	1984.4	1809.0	1099.3	603.9	556.6	576.1	578.9	573.3	562.2	567.8	570.5
45°	2109.6	1867.5	976.9	526.0	514.9	539.9	545.5	523.2	503.7	492.6	487.0
47.5°	2232.1	1928.7	871.1	462.0	475.9	514.9	514.9	489.8	456.4	428.6	417.5
50°	2343.4	1989.9	784.8	423.0	436.9	495.4	501.0	453.6	417.5	384.1	378.5
52.5°	2529.9	2092.9	695.8	392.4	414.7	481.5	478.7	436.9	389.6	353.5	350.7
55°	2694.1	2195.9	578.9	361.8	392.4	462.0	470.3	420.3	356.2	322.8	317.3
57.5°	2813.7	2220.9	462.0	331.2	370.2	439.7	450.9	386.9	334.0	306.1	303.4
60°	2836.0	2123.5	375.7	306.1	339.5	409.1	417.5	367.4	317.3	295.0	289.4
62.5°	2733.0	1937.1	320.1	283.9	314.5	378.5	395.2	345.1	300.6	281.1	278.3
65°	2499.2	1664.3	281.1	264.4	297.8	356.2	375.7	328.4	286.7	270.0	267.2
67.5°	1978.8	1277.5	250.5	250.5	275.5	334.0	361.8	317.3	272.7	261.6	258.8
70°	1294.2	768.1	228.2	231.0	258.8	314.5	345.1	303.4	256.0	253.3	247.7
72.5°	556.6	353.5	203.2	211.5	233.8	281.1	320.1	283.9	236.6	228.2	219.9
75°	256.0	214.3	183.7	189.3	208.7	247.7	289.4	261.6	219.9	206.0	197.6
77.5°	180.9	155.9	153.1	164.2	178.1	214.3	256.0	244.9	203.2	192.0	186.5
80°	133.6	119.7	128.0	139.2	147.5	197.6	242.1	225.4	186.5	169.8	161.4
82.5°	94.6	89.1	100.2	111.3	119.7	172.6	222.6	197.6	155.9	141.9	128.0
85°	55.7	58.4	69.6	75.1	83.5	128.0	186.5	158.6	119.7	91.8	89.1
87.5°	25.0	25.0	33.4	36.2	41.7	75.1	125.2	100.2	75.1	58.4	55.7
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)