

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: P671077

Luminaire Tested: **CCP-SA-2C-727-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671077
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-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4W distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

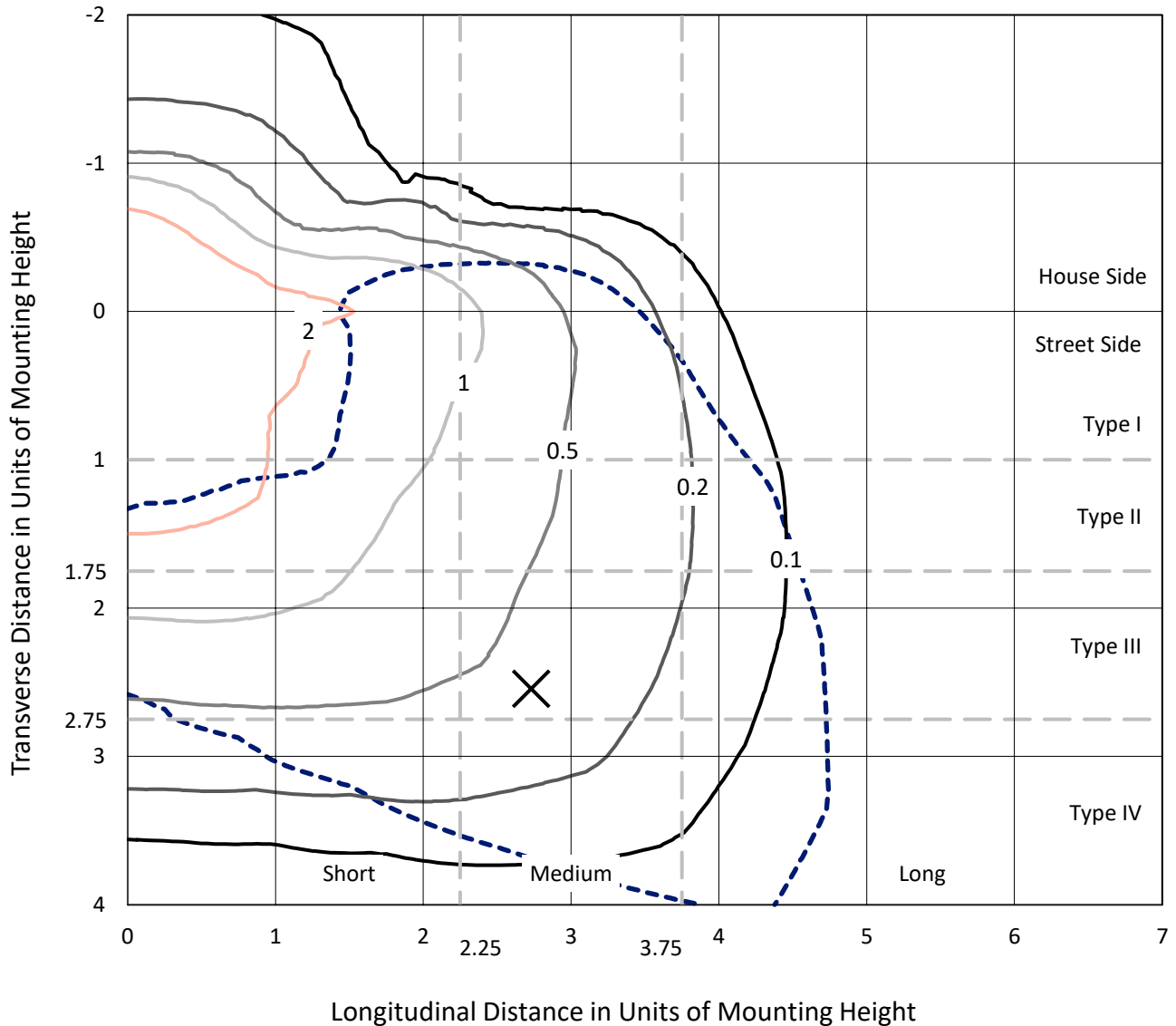
Lumens per Lamp: N/A
Luminaire Lumens: 7628.1 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

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

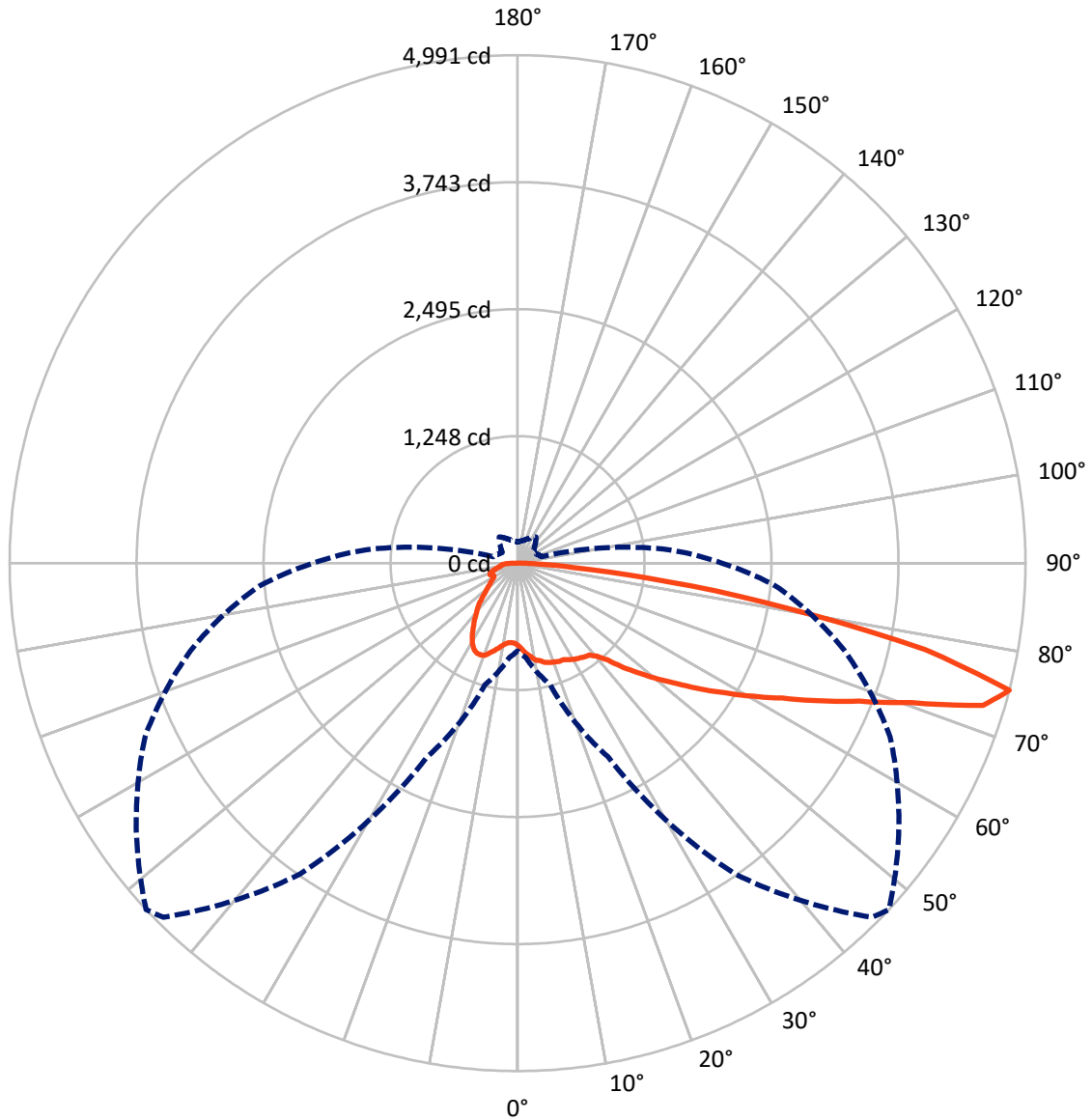
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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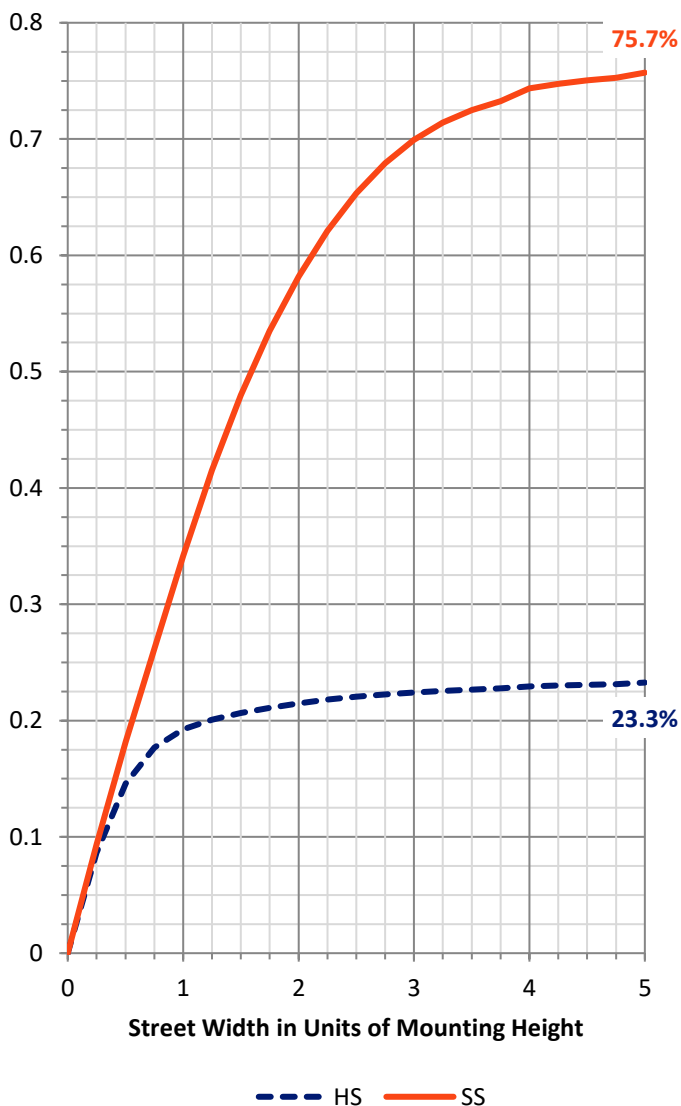
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1824.2	0.0	1824.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5803.9	0.0	5803.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	7628.1	0.0	7628.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.1
10°-20°	271.9	3.6
20°-30°	465.7	6.1
30°-40°	651.6	8.5
40°-50°	908.6	11.9
50°-60°	1358.1	17.8
60°-70°	1958.0	25.7
70°-80°	1666.7	21.8
80°-90°	265.5	3.5
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°	7628.1	100.0
0°-180°	7628.1	100.0



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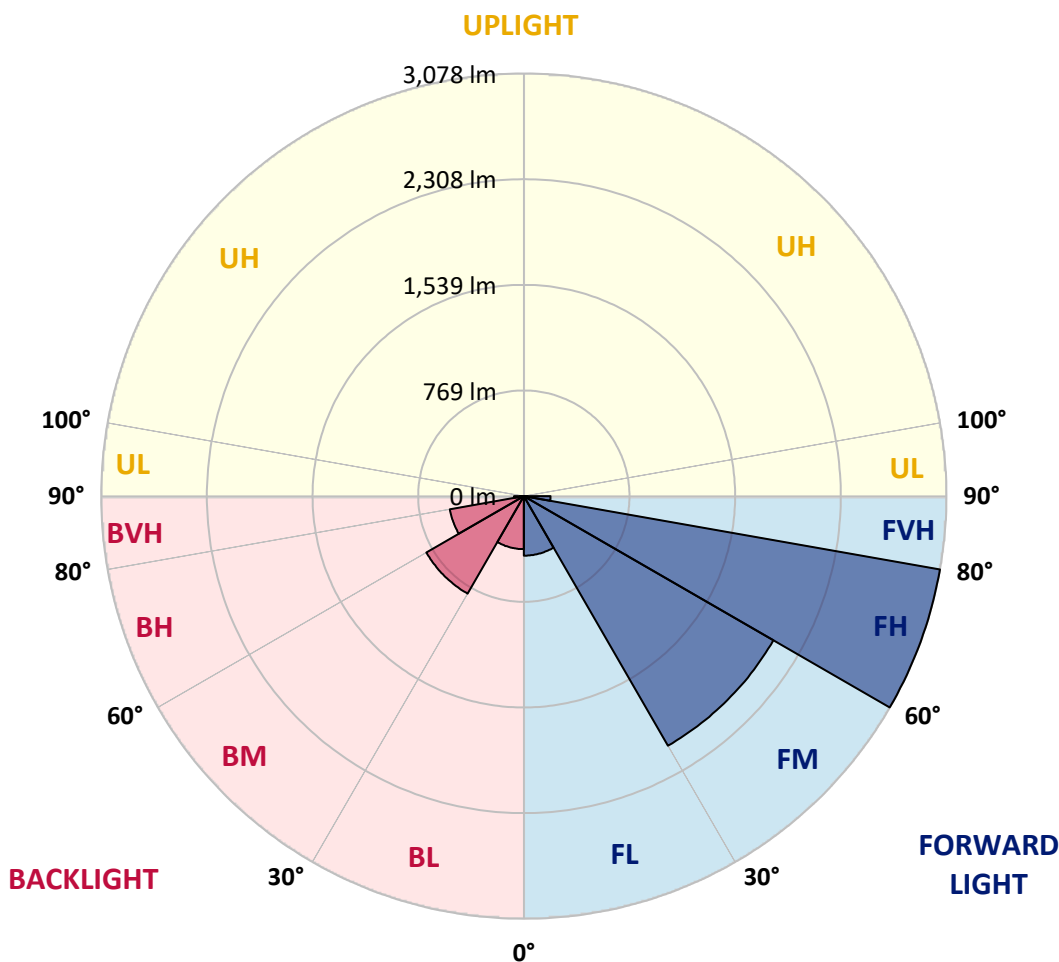
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.4	5.7			
FM (30°-60°)	2098.4	27.5			
FH (60°-80°)	3077.5	40.3			G2/5000
FVH (80°-90°)	194.5	2.6			G2/225
BL (0°-30°)	386.1	5.1	B1/500		
BM (30°-60°)	819.9	10.7	B1/1000		
BH (60°-80°)	547.3	7.2	B2/1000		G2/1000
BVH (80°-90°)	71.0	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
2.5°	868.4	871.2	871.2	865.6	860.0	848.9	848.9	837.8	832.2	818.3	812.7
5°	949.1	940.8	932.4	929.6	915.7	896.2	893.4	882.3	851.7	837.8	818.3
7.5°	1007.6	1004.8	1002.0	990.9	965.8	935.2	926.8	910.1	879.5	851.7	829.4
10°	1054.9	1066.0	1054.9	1029.8	1004.8	971.4	968.6	938.0	910.1	876.7	848.9
12.5°	1107.8	1110.5	1091.1	1060.4	1021.5	993.6	982.5	971.4	940.8	912.9	871.2
15°	1143.9	1138.4	1124.5	1082.7	1038.2	1010.3	1013.1	999.2	965.8	946.3	901.8
17.5°	1143.9	1143.9	1121.7	1091.1	1052.1	1027.0	1027.0	1018.7	996.4	968.6	938.0
20°	1121.7	1121.7	1107.8	1091.1	1046.5	1041.0	1035.4	1029.8	1029.8	1004.8	960.2
22.5°	1093.8	1088.3	1093.8	1066.0	1035.4	1041.0	1049.3	1046.5	1038.2	1015.9	985.3
25°	1066.0	1068.8	1074.4	1054.9	1027.0	1052.1	1049.3	1063.2	1057.7	1041.0	1015.9
27.5°	1063.2	1068.8	1071.6	1052.1	1041.0	1063.2	1074.4	1088.3	1091.1	1074.4	1043.7
30°	1105.0	1102.2	1099.4	1074.4	1066.0	1085.5	1096.6	1116.1	1132.8	1096.6	1071.6
32.5°	1213.5	1196.8	1180.1	1113.3	1088.3	1102.2	1113.3	1141.2	1143.9	1124.5	1088.3
35°	1386.1	1375.0	1319.3	1202.4	1132.8	1118.9	1130.0	1149.5	1155.1	1141.2	1113.3
37.5°	1583.7	1578.1	1500.2	1358.3	1224.7	1157.9	1146.7	1174.6	1196.8	1166.2	1127.2
40°	1778.5	1756.3	1700.6	1561.4	1341.6	1216.3	1202.4	1216.3	1224.7	1202.4	1177.3
42.5°	1953.9	1928.8	1914.9	1775.8	1494.6	1313.7	1302.6	1269.2	1294.2	1266.4	1233.0
45°	2101.4	2095.8	2090.3	1970.6	1670.0	1472.4	1464.0	1377.7	1405.6	1383.3	1336.0
47.5°	2207.2	2232.2	2223.9	2157.1	1870.4	1642.2	1617.1	1505.8	1547.5	1525.3	1477.9
50°	2332.4	2346.3	2338.0	2293.5	2056.9	1837.0	1789.7	1675.6	1722.9	1720.1	1695.0
52.5°	2443.8	2485.5	2438.2	2435.4	2324.1	2048.5	1967.8	1859.3	1937.2	1967.8	1965.0
55°	2574.6	2608.0	2594.1	2588.5	2563.4	2254.5	2182.1	2051.3	2182.1	2226.7	2265.6
57.5°	2685.9	2683.1	2736.0	2800.0	2830.6	2491.1	2404.8	2251.7	2449.3	2499.4	2608.0
60°	2736.0	2783.3	2872.4	3033.8	3120.1	2744.4	2655.3	2532.8	2719.3	2758.3	2958.7
62.5°	2769.4	2811.2	2983.7	3256.5	3306.6	3003.2	2919.7	2797.2	3014.3	3042.2	3340.0
65°	2677.6	2716.5	3058.9	3340.0	3518.1	3281.5	3262.1	3134.0	3309.4	3326.1	3740.8
67.5°	2571.8	2613.5	2994.9	3445.8	3799.2	3651.7	3621.1	3468.0	3601.6	3582.1	4047.0
70°	2385.3	2441.0	2830.6	3537.6	4111.0	4169.4	4108.2	3891.1	3905.0	3721.3	4060.9
72.5°	1817.5	1853.7	2215.5	3173.0	4255.7	4887.5	4781.8	4347.6	4188.9	3749.1	3584.9
75°	862.8	929.6	1235.8	2098.6	3729.7	4920.9	4990.5	4573.0	4038.6	3326.1	2541.2
77.5°	250.5	250.5	375.7	890.7	2338.0	3966.2	4097.1	3882.7	3331.6	2463.2	1336.0
80°	136.4	144.7	197.6	314.5	1027.0	2502.2	2691.5	2574.6	1962.2	974.2	345.1
82.5°	77.9	80.7	130.8	189.3	467.6	1361.0	1472.4	1336.0	745.9	295.0	161.4
85°	44.5	47.3	75.1	125.2	278.3	501.0	545.5	473.2	300.6	197.6	80.7
87.5°	22.3	22.3	36.2	58.4	141.9	141.9	139.2	169.8	180.9	119.7	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°	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
2.5°	809.9	807.2	807.2	796.0	793.2	784.9	784.9	779.3	776.5	784.9	784.9
5°	812.7	798.8	796.0	784.9	787.7	782.1	793.2	787.7	784.9	784.9	782.1
7.5°	818.3	804.4	793.2	784.9	782.1	790.5	804.4	804.4	821.1	812.7	812.7
10°	832.2	823.9	809.9	804.4	804.4	812.7	829.4	840.6	854.5	854.5	846.1
12.5°	865.6	851.7	835.0	826.6	837.8	846.1	862.8	874.0	890.7	896.2	890.7
15°	890.7	876.7	871.2	865.6	874.0	885.1	899.0	910.1	929.6	935.2	932.4
17.5°	924.1	907.4	904.6	907.4	912.9	921.3	929.6	938.0	951.9	951.9	951.9
20°	940.8	935.2	932.4	940.8	951.9	963.0	957.5	951.9	949.1	954.7	951.9
22.5°	971.4	965.8	968.6	976.9	976.9	971.4	963.0	943.5	938.0	943.5	938.0
25°	999.2	993.6	993.6	988.1	985.3	965.8	949.1	932.4	912.9	921.3	918.5
27.5°	1027.0	1024.3	1024.3	1002.0	974.2	940.8	918.5	899.0	887.9	901.8	893.4
30°	1060.4	1063.2	1049.3	996.4	929.6	893.4	868.4	865.6	862.8	871.2	868.4
32.5°	1091.1	1093.8	1071.6	988.1	896.2	826.6	801.6	804.4	818.3	832.2	846.1
35°	1107.8	1121.7	1093.8	960.2	829.4	751.5	723.7	748.7	773.8	793.2	807.2
37.5°	1138.4	1174.6	1127.2	929.6	771.0	684.7	665.2	673.6	704.2	734.8	748.7
40°	1182.9	1224.7	1135.6	871.2	693.0	617.9	606.8	609.5	620.7	640.2	654.1
42.5°	1260.8	1305.4	1143.9	796.0	615.1	576.1	545.5	537.2	528.8	528.8	526.0
45°	1375.0	1416.7	1132.8	701.4	537.2	509.3	487.1	467.6	445.3	409.1	414.7
47.5°	1542.0	1575.4	1141.2	617.9	464.8	442.5	425.8	403.6	370.2	331.2	328.4
50°	1795.2	1745.1	1130.0	531.6	411.9	392.4	378.5	347.9	308.9	281.1	278.3
52.5°	2090.3	1990.1	1118.9	459.2	367.4	350.7	339.6	306.2	270.0	256.1	253.3
55°	2446.5	2301.8	1135.6	395.2	334.0	320.1	308.9	278.3	250.5	239.4	236.6
57.5°	2866.8	2638.6	1227.4	345.1	297.8	292.2	289.5	264.4	239.4	231.0	228.2
60°	3262.1	2961.5	1288.7	308.9	264.4	270.0	275.5	264.4	236.6	231.0	231.0
62.5°	3593.3	3228.7	1191.3	278.3	247.7	264.4	289.5	281.1	270.0	275.5	270.0
65°	3885.5	3320.5	890.7	261.6	239.4	278.3	320.1	317.3	292.2	297.8	295.0
67.5°	3935.6	3209.2	581.7	247.7	233.8	306.2	359.0	325.6	275.5	275.5	267.2
70°	3726.9	2911.4	389.7	233.8	231.0	306.2	367.4	306.2	258.8	258.8	247.7
72.5°	3058.9	2326.9	300.6	219.9	211.5	272.8	347.9	289.5	242.1	236.6	217.1
75°	2009.6	1500.2	244.9	208.7	183.7	239.4	314.5	267.2	231.0	214.3	206.0
77.5°	985.3	673.6	206.0	183.7	158.6	208.7	286.7	253.3	217.1	200.4	194.8
80°	270.0	242.1	172.6	161.4	133.6	180.9	270.0	242.1	203.2	186.5	178.1
82.5°	153.1	150.3	139.2	130.8	111.3	180.9	272.8	242.1	192.0	189.3	161.4
85°	83.5	89.1	100.2	97.4	86.3	161.4	258.8	211.5	155.9	130.8	130.8
87.5°	33.4	41.7	50.1	55.7	58.4	119.7	194.8	161.4	119.7	100.2	100.2
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)