

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: P670708

Luminaire Tested: **CCP-SA-1F-827-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670708
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

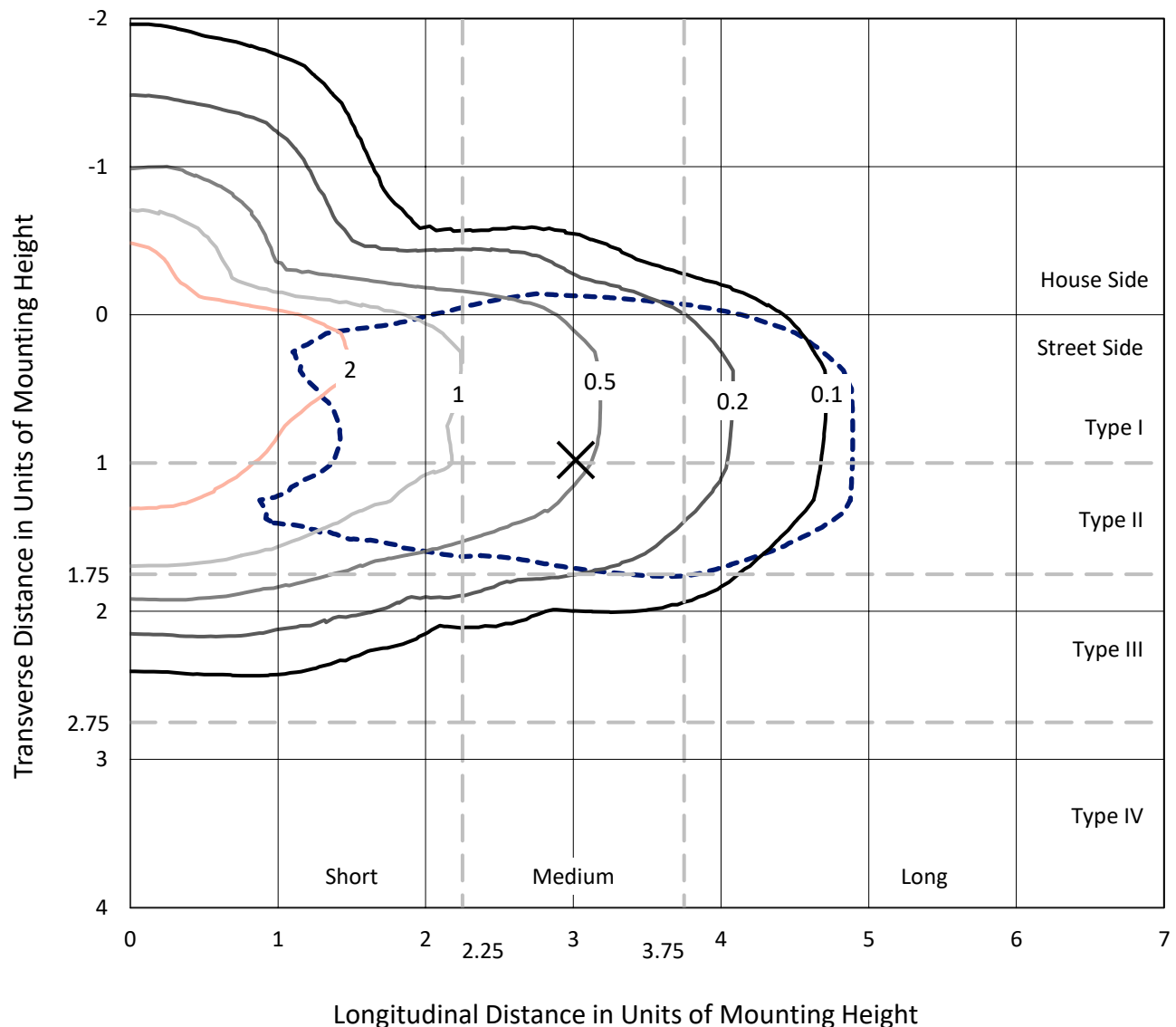
Lumens per Lamp: N/A
Luminaire Lumens: 5497.8 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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

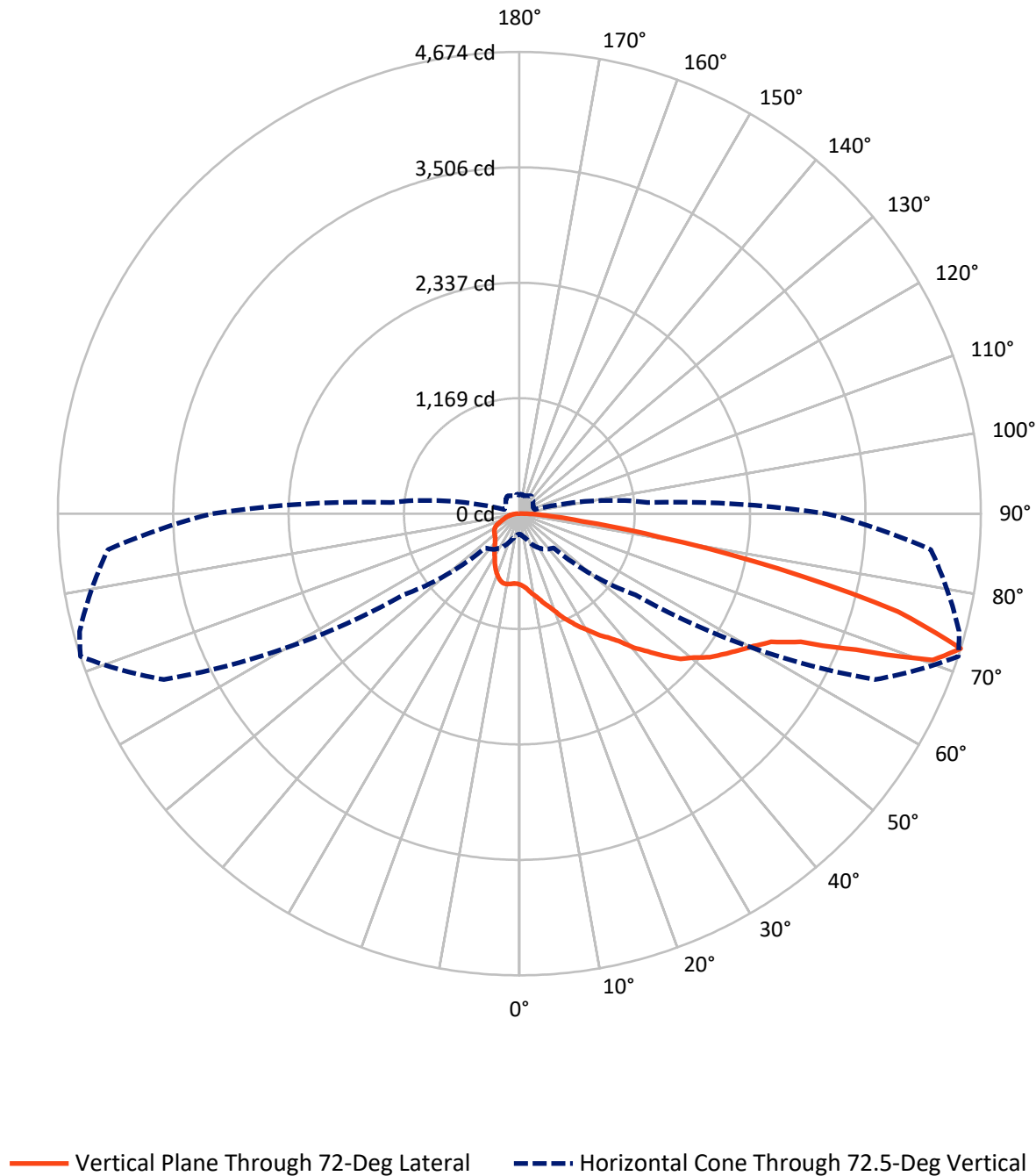
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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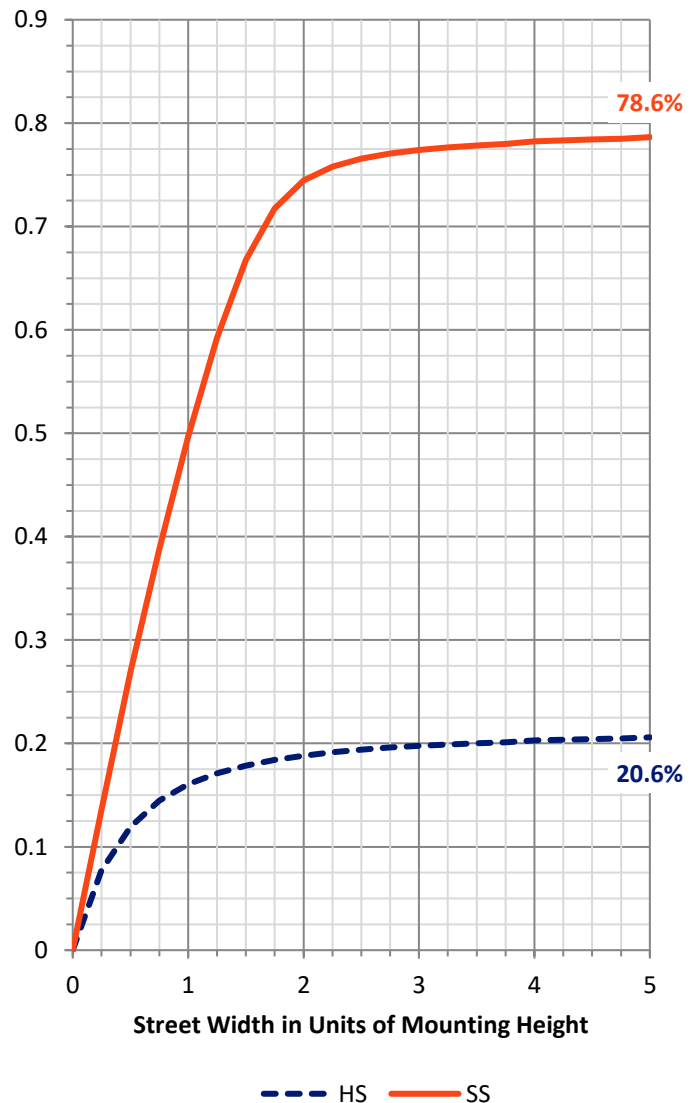
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1157.0	0.0	1157.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4340.7	0.0	4340.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	5497.8	0.0	5497.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	1.3
10°-20°	220.6	4.0
20°-30°	381.8	6.9
30°-40°	563.9	10.3
40°-50°	838.6	15.3
50°-60°	1149.6	20.9
60°-70°	1247.0	22.7
70°-80°	879.2	16.0
80°-90°	146.1	2.7
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°	5497.8	100.0
0°-180°	5497.8	100.0

Coefficient of Utilization



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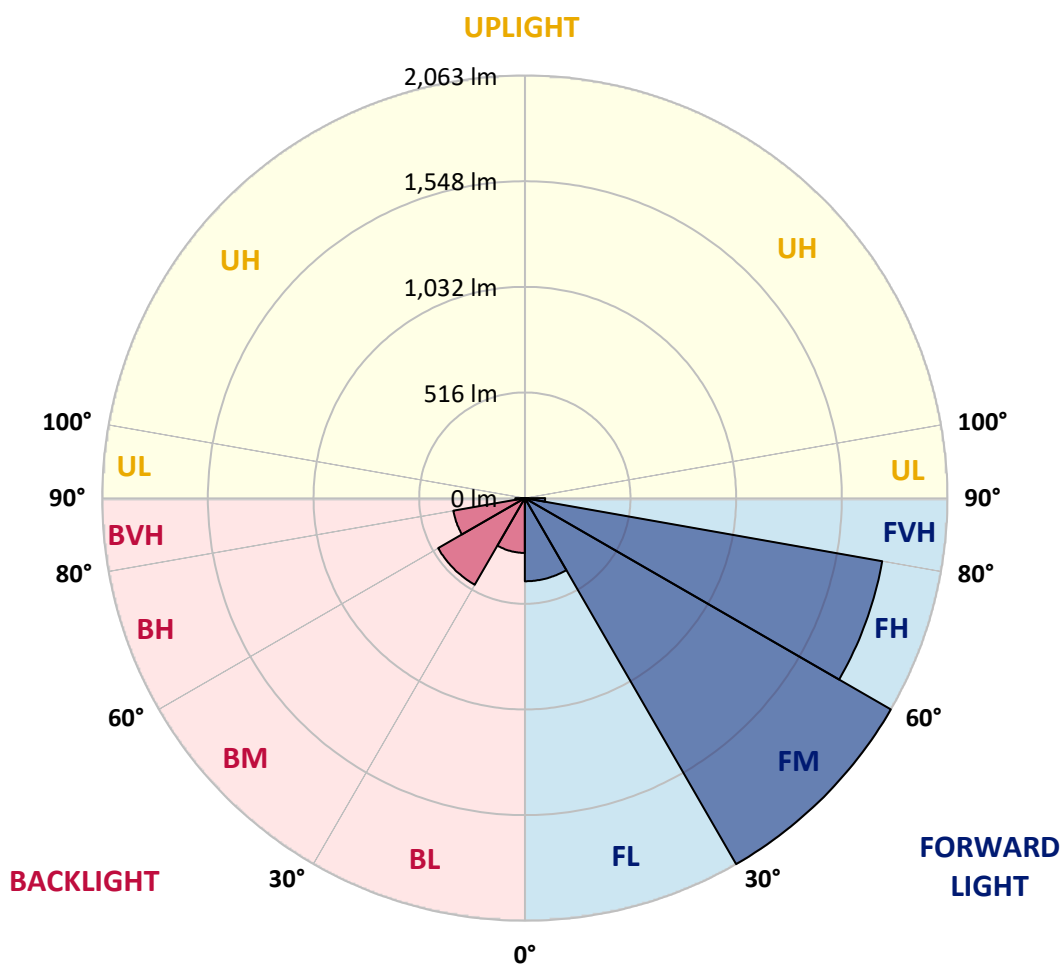
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	406.0	7.4			
FM	(30°-60°)	2063.4	37.5			
FH	(60°-80°)	1771.8	32.2			G1/1800
FVH	(80°-90°)	99.6	1.8			G1/100
BL	(0°-30°)	267.4	4.9	B1/500		
BM	(30°-60°)	488.7	8.9	B1/1000		
BH	(60°-80°)	354.4	6.4	B1/500		G1/500
BVH	(80°-90°)	46.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2
2.5°	775.0	775.0	768.9	766.9	766.9	750.6	752.7	742.5	734.4	734.4	726.3
5°	815.5	811.5	811.5	811.5	801.3	795.3	793.2	775.0	760.8	762.8	738.5
7.5°	825.7	827.7	829.7	839.9	833.8	837.9	833.8	813.5	803.4	793.2	770.9
10°	831.8	835.8	835.8	850.0	850.0	860.2	866.3	858.1	839.9	829.7	793.2
12.5°	846.0	839.9	848.0	858.1	868.3	886.5	904.8	896.7	884.5	872.3	831.8
15°	846.0	848.0	854.1	870.3	886.5	904.8	937.3	949.4	943.4	921.0	878.4
17.5°	821.6	815.5	843.9	874.4	904.8	927.1	969.7	998.1	994.1	986.0	921.0
20°	823.7	829.7	839.9	866.3	914.9	955.5	1008.3	1054.9	1065.1	1061.0	977.8
22.5°	860.2	862.2	872.3	884.5	923.1	975.8	1054.9	1130.0	1148.3	1138.1	1040.7
25°	896.7	912.9	912.9	921.0	935.2	990.0	1085.4	1190.9	1217.2	1219.3	1105.6
27.5°	955.5	959.6	971.8	975.8	988.0	1020.4	1119.8	1235.5	1296.3	1288.2	1164.5
30°	1024.5	1026.5	1034.6	1030.6	1032.6	1073.2	1152.3	1286.2	1369.4	1371.4	1227.4
32.5°	1105.6	1121.9	1125.9	1099.6	1103.6	1113.8	1203.0	1347.1	1460.7	1446.5	1282.1
35°	1225.3	1231.4	1219.3	1207.1	1176.7	1170.6	1255.8	1407.9	1539.8	1556.0	1363.3
37.5°	1373.4	1389.7	1373.4	1308.5	1276.1	1251.7	1320.7	1474.9	1635.1	1689.9	1444.4
40°	1511.4	1509.4	1493.1	1434.3	1377.5	1359.2	1414.0	1568.2	1783.2	1836.0	1562.1
42.5°	1623.0	1616.9	1606.7	1562.1	1509.4	1478.9	1521.5	1665.6	1907.0	2008.4	1698.0
45°	1720.3	1712.2	1714.3	1663.5	1612.8	1629.1	1629.1	1777.2	2053.1	2178.8	1854.2
47.5°	1811.6	1815.7	1809.6	1771.1	1732.5	1775.1	1752.8	1905.0	2197.1	2337.1	1986.1
50°	1917.1	1925.2	1905.0	1880.6	1846.1	1888.7	1860.3	2024.7	2290.4	2481.1	2144.3
52.5°	2016.5	2024.7	2042.9	2012.5	1978.0	2012.5	1947.6	2136.2	2414.2	2621.1	2266.1
55°	2040.9	2036.8	2138.3	2170.7	2189.0	2085.5	2024.7	2231.6	2511.5	2710.4	2404.0
57.5°	1929.3	1939.4	2077.4	2170.7	2365.5	2276.2	2111.9	2343.2	2613.0	2828.0	2531.8
60°	1651.4	1657.5	1829.9	2051.0	2335.0	2454.7	2347.2	2487.2	2724.6	2927.4	2675.9
62.5°	1103.6	1150.3	1365.3	1712.2	2120.0	2503.4	2722.5	2730.6	2860.5	3053.2	2872.7
65°	582.2	604.6	772.9	1052.9	1606.7	2335.0	3075.5	3213.5	3132.3	3284.5	3156.7
67.5°	381.4	389.5	480.8	639.0	927.1	1704.1	3116.1	4051.3	3678.1	3724.7	3611.1
70°	284.0	288.1	355.0	472.7	574.1	910.9	2554.1	4442.9	4440.9	4317.1	4150.7
72.5°	209.0	215.0	261.7	361.1	442.3	490.9	1436.3	3974.2	4674.2	4611.3	4183.2
75°	164.3	168.4	192.7	280.0	357.1	322.6	728.3	2943.7	3964.1	4266.4	3828.2
77.5°	133.9	138.0	152.2	202.9	286.0	249.5	348.9	1898.9	2688.0	3071.5	2929.5
80°	111.6	111.6	121.7	144.0	221.1	188.7	206.9	1067.1	1448.5	1598.6	1328.8
82.5°	95.3	93.3	101.4	105.5	164.3	135.9	133.9	482.8	637.0	675.6	499.1
85°	60.9	62.9	95.3	91.3	107.5	93.3	75.1	229.2	300.2	306.3	186.6
87.5°	24.3	24.3	40.6	50.7	60.9	56.8	36.5	103.5	131.9	131.9	52.7
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°	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2	718.2
2.5°	724.3	716.1	710.0	706.0	695.8	685.7	687.7	685.7	677.6	673.5	673.5
5°	732.4	724.3	714.1	697.9	687.7	675.6	679.6	671.5	663.4	669.5	659.3
7.5°	752.7	738.5	724.3	699.9	683.7	665.4	657.3	653.2	647.2	643.1	643.1
10°	781.1	760.8	734.4	697.9	671.5	643.1	639.0	630.9	624.8	624.8	622.8
12.5°	809.5	787.1	742.5	683.7	639.0	618.8	616.7	618.8	622.8	624.8	626.9
15°	846.0	809.5	740.5	657.3	612.7	604.6	614.7	622.8	630.9	639.0	637.0
17.5°	880.5	837.9	722.2	624.8	590.4	592.4	610.6	626.9	643.1	651.2	653.2
20°	927.1	864.2	695.8	586.3	568.0	586.3	610.6	630.9	649.2	659.3	661.4
22.5°	979.9	894.7	661.4	551.8	549.8	568.0	592.4	622.8	643.1	661.4	659.3
25°	1026.5	914.9	616.7	523.4	527.5	539.6	568.0	600.5	620.8	641.1	635.0
27.5°	1057.0	919.0	570.1	503.1	503.1	515.3	541.7	562.0	580.2	596.4	598.5
30°	1091.4	910.9	517.3	476.7	476.7	493.0	503.1	515.3	525.4	529.5	533.6
32.5°	1132.0	892.6	484.9	456.5	456.5	468.6	474.7	470.7	468.6	458.5	464.6
35°	1170.6	866.3	448.3	430.1	438.2	444.3	442.3	430.1	417.9	399.7	393.6
37.5°	1217.2	839.9	415.9	401.7	415.9	417.9	417.9	403.7	387.5	365.2	365.2
40°	1288.2	819.6	389.5	383.4	397.6	395.6	385.5	375.3	381.4	369.2	369.2
42.5°	1363.3	811.5	365.2	367.2	373.3	375.3	365.2	353.0	377.3	363.1	365.2
45°	1456.6	817.6	348.9	346.9	361.1	359.1	353.0	342.9	351.0	314.5	304.3
47.5°	1543.9	829.7	340.8	332.7	348.9	353.0	344.9	322.6	310.4	288.1	284.0
50°	1623.0	856.1	332.7	316.5	332.7	340.8	326.6	302.3	288.1	273.9	273.9
52.5°	1698.0	894.7	328.7	298.2	312.4	322.6	314.5	290.1	273.9	267.8	261.7
55°	1775.1	929.2	322.6	286.0	290.1	310.4	308.4	275.9	259.7	259.7	257.6
57.5°	1884.7	975.8	314.5	265.8	273.9	296.2	296.2	269.8	251.6	253.6	255.6
60°	1996.3	1030.6	306.3	245.5	251.6	282.0	286.0	261.7	245.5	247.5	245.5
62.5°	2174.8	1132.0	290.1	221.1	233.3	263.7	273.9	251.6	237.4	241.4	241.4
65°	2444.6	1306.5	255.6	200.8	215.0	247.5	261.7	241.4	225.2	237.4	233.3
67.5°	2878.7	1545.9	215.0	184.6	202.9	231.3	247.5	229.2	215.0	233.3	227.2
70°	3268.3	1663.5	184.6	170.4	184.6	213.0	231.3	217.1	202.9	221.1	213.0
72.5°	3110.0	1304.5	160.3	154.2	168.4	192.7	215.0	200.8	186.6	196.8	188.7
75°	2684.0	1038.7	140.0	138.0	150.1	174.5	196.8	186.6	172.4	176.5	172.4
77.5°	2034.8	858.1	119.7	117.7	127.8	156.2	176.5	168.4	154.2	152.2	152.2
80°	908.9	422.0	99.4	99.4	105.5	133.9	150.1	146.1	131.9	129.8	127.8
82.5°	298.2	160.3	81.1	77.1	85.2	111.6	133.9	129.8	115.6	111.6	107.5
85°	119.7	77.1	58.8	58.8	66.9	93.3	119.7	111.6	93.3	83.2	83.2
87.5°	40.6	32.5	30.4	30.4	42.6	62.9	89.3	75.1	66.9	58.8	60.9
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)