

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: P671956

Luminaire Tested: **CCP-SA-1B-735-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671956
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3437.5 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

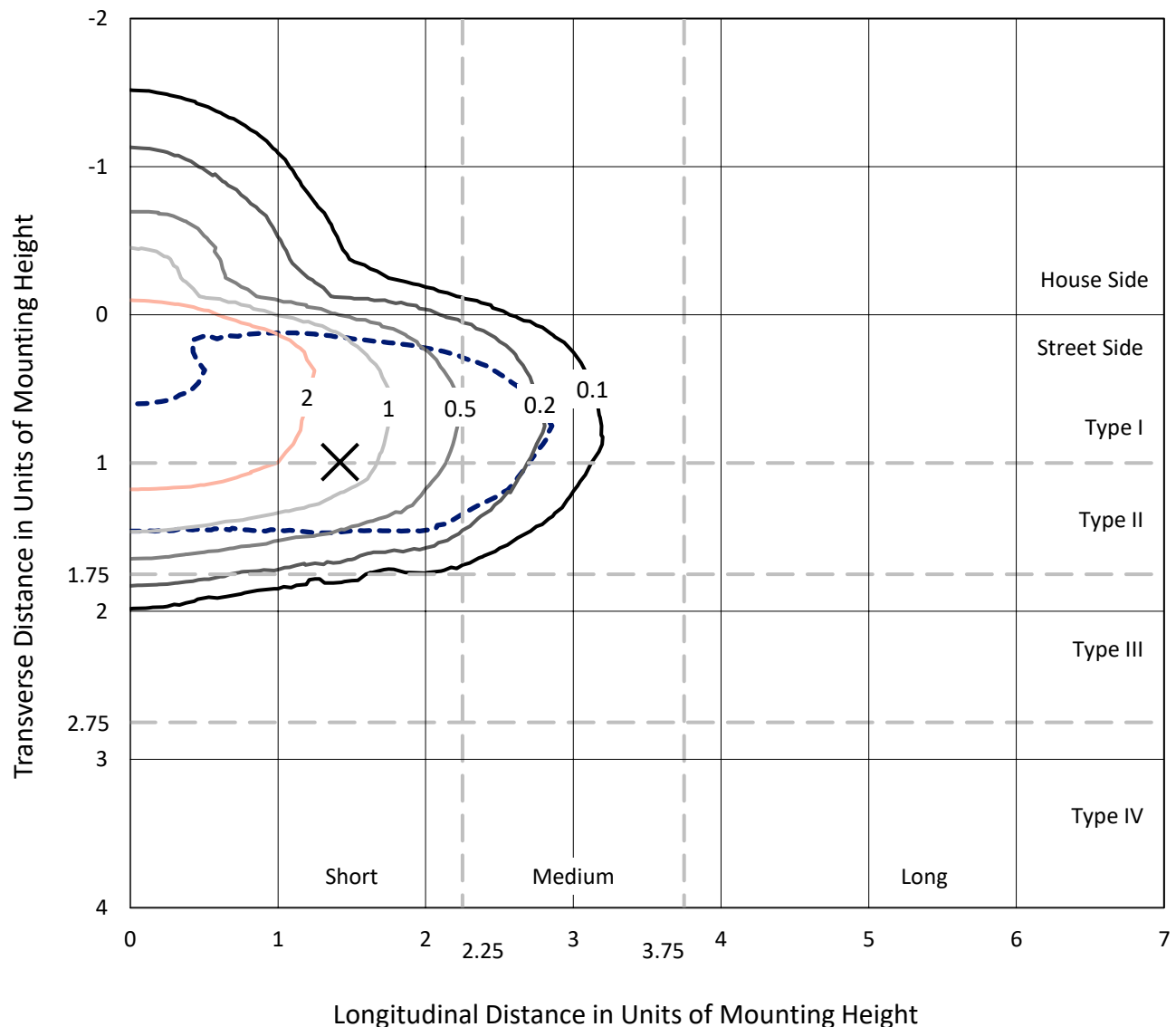
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

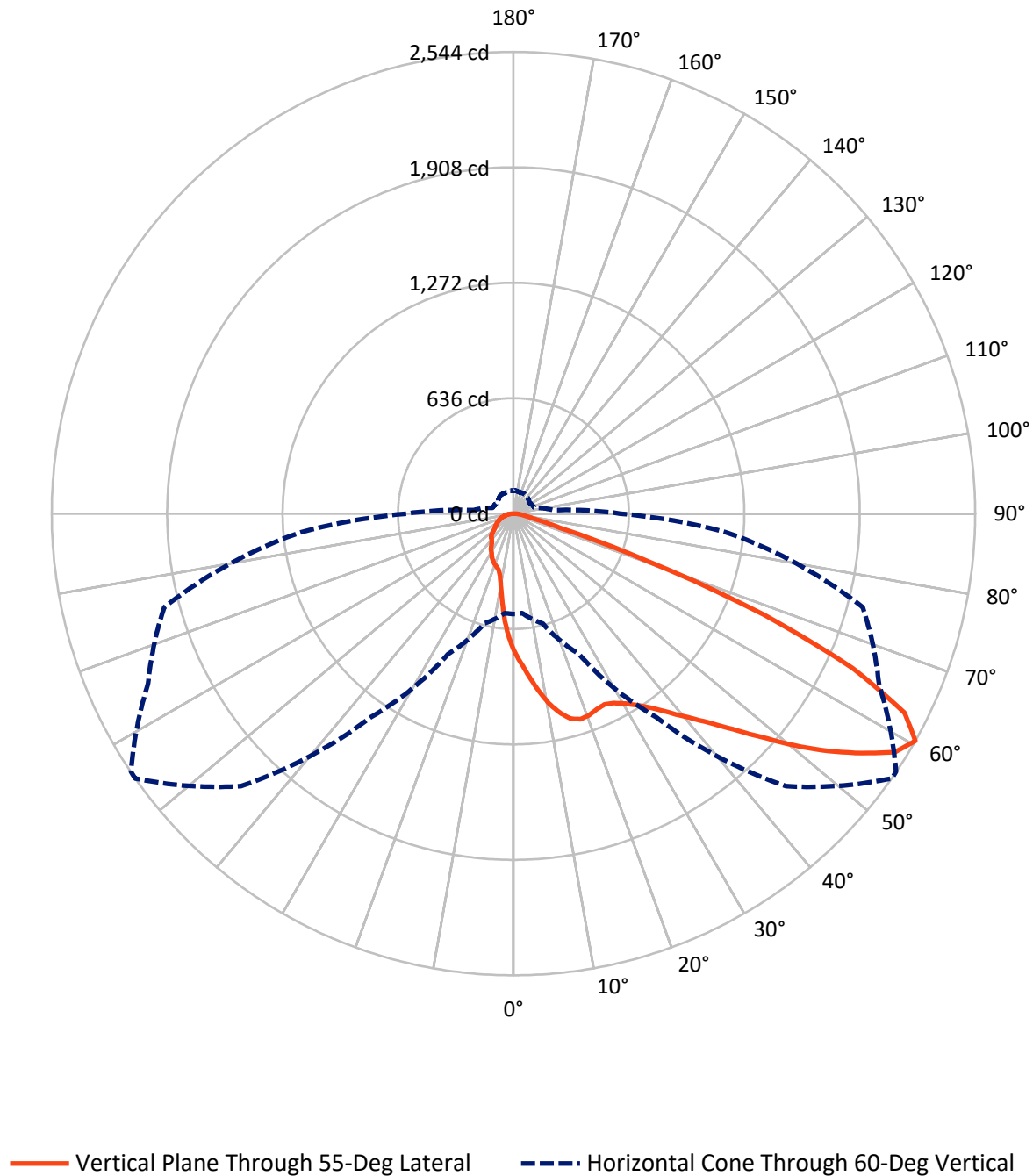
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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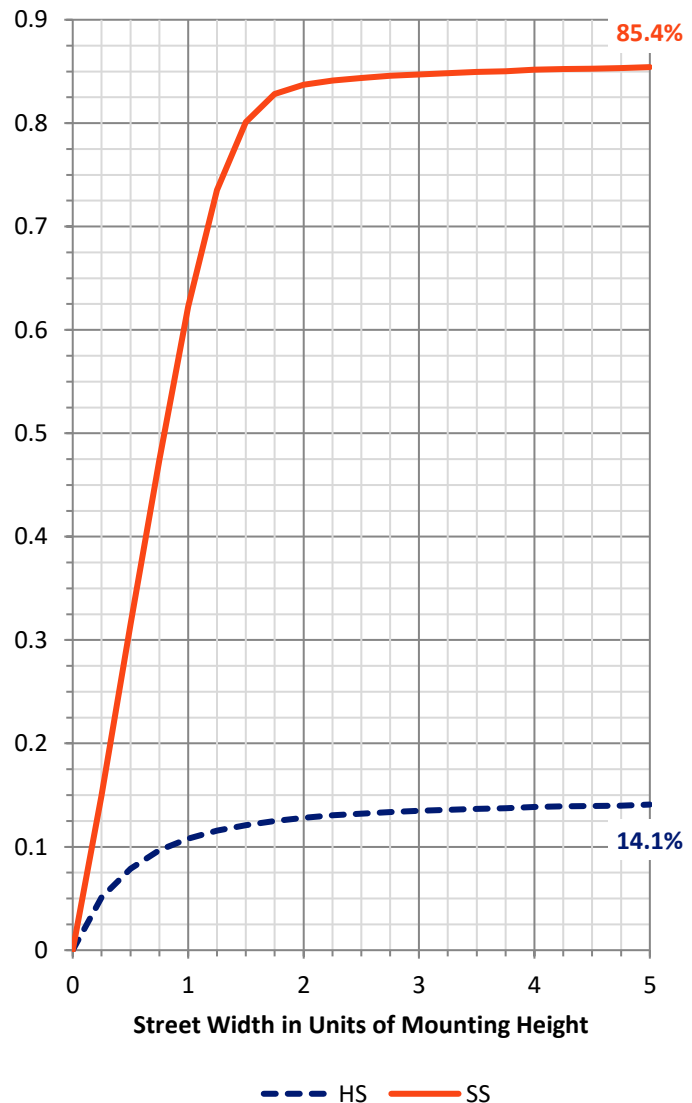
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	494.1	0.0	494.1
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2943.3	0.0	2943.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	3437.5	0.0	3437.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	2.1
10°-20°	202.1	5.9
20°-30°	329.1	9.6
30°-40°	491.9	14.3
40°-50°	722.9	21.0
50°-60°	847.3	24.6
60°-70°	558.7	16.3
70°-80°	177.9	5.2
80°-90°	36.2	1.1
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°	3437.5	100.0
0°-180°	3437.5	100.0



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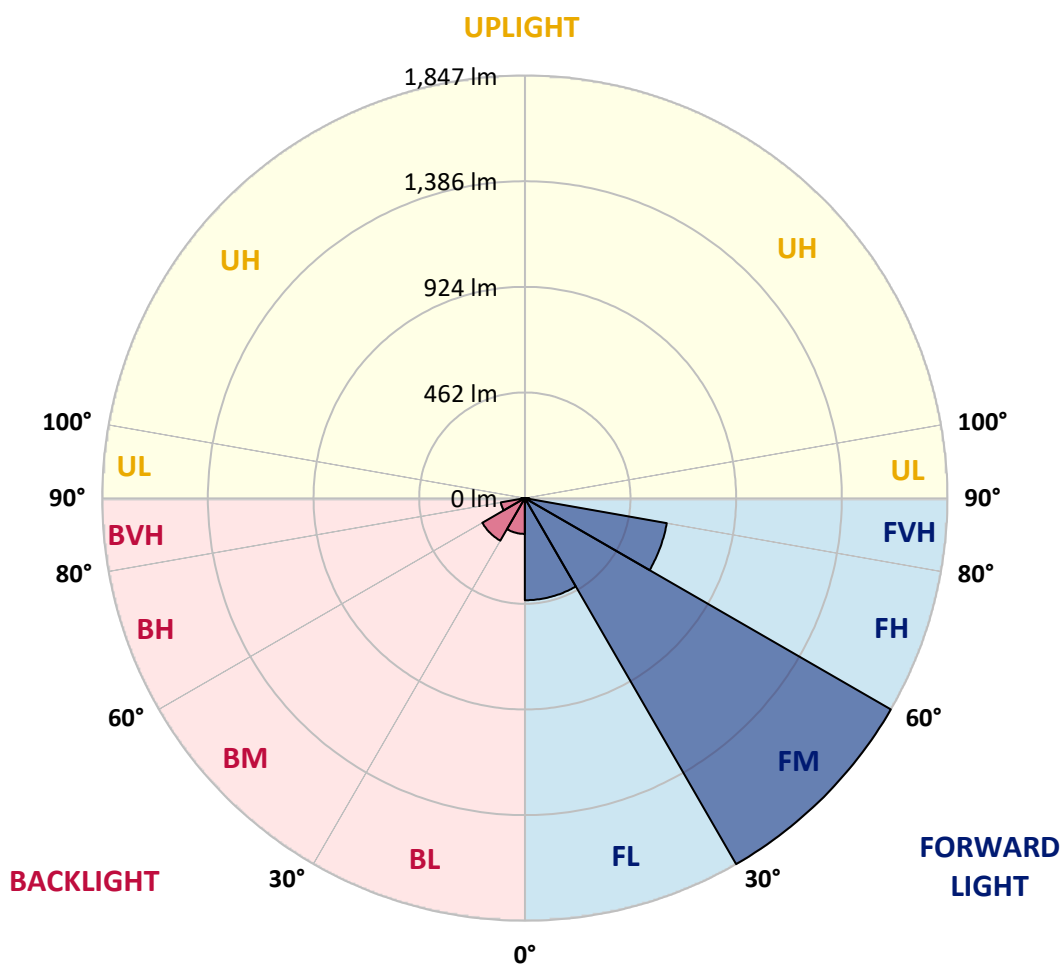
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.1	13.0			
FM	(30°-60°)	1847.4	53.7			
FH	(60°-80°)	630.0	18.3			G0/660
FVH	(80°-90°)	19.8	0.6			G1/100
BL	(0°-30°)	156.4	4.6	B1/500		
BM	(30°-60°)	214.8	6.2	B0/220		
BH	(60°-80°)	106.6	3.1	B0/110		G0/110
BVH	(80°-90°)	16.3	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4
2.5°	887.2	883.9	883.9	875.7	863.5	846.6	826.4	821.4	813.7	794.0	768.6
5°	1022.4	1019.0	1014.2	999.8	977.1	943.2	900.6	892.9	865.2	824.6	778.8
7.5°	1111.9	1109.9	1108.4	1095.9	1073.5	1040.1	983.1	974.4	927.5	860.3	788.5
10°	1102.7	1108.6	1119.1	1127.8	1132.3	1115.1	1061.6	1051.3	993.3	901.6	803.0
12.5°	1016.2	1024.7	1044.1	1079.7	1120.9	1154.0	1123.6	1117.9	1063.6	945.5	821.1
15°	951.9	955.4	964.9	991.3	1052.6	1141.0	1171.7	1166.4	1129.1	1001.8	842.1
17.5°	932.0	933.5	935.7	944.5	986.3	1090.5	1191.4	1196.3	1192.6	1060.3	865.7
20°	942.0	943.0	943.2	944.7	964.6	1048.1	1186.1	1194.6	1248.4	1118.9	889.2
22.5°	980.3	979.1	977.4	971.6	982.8	1040.6	1172.2	1185.6	1291.5	1172.2	910.8
25°	1047.4	1045.6	1033.4	1021.5	1026.2	1067.5	1164.7	1179.2	1325.1	1222.5	926.8
27.5°	1127.1	1125.3	1112.9	1090.2	1085.2	1112.4	1182.1	1191.1	1349.8	1267.1	933.8
30°	1209.8	1209.8	1194.4	1168.2	1152.2	1163.7	1214.3	1221.5	1368.5	1310.2	938.2
32.5°	1300.0	1302.5	1278.6	1248.7	1231.0	1224.2	1259.4	1265.6	1395.7	1361.0	947.7
35°	1415.8	1410.4	1381.2	1341.8	1313.4	1298.2	1315.2	1322.4	1435.5	1424.3	962.9
37.5°	1546.1	1536.4	1500.5	1453.5	1403.9	1378.5	1389.7	1391.4	1494.6	1506.8	990.6
40°	1653.8	1652.0	1621.6	1577.0	1514.5	1480.4	1474.9	1475.9	1576.5	1604.4	1032.4
42.5°	1744.4	1738.0	1732.5	1716.8	1650.5	1594.5	1572.0	1572.3	1665.5	1705.3	1074.5
45°	1784.6	1783.3	1799.5	1839.9	1792.3	1726.3	1694.4	1698.8	1767.4	1809.0	1115.1
47.5°	1767.4	1768.4	1811.7	1917.6	1945.7	1895.2	1838.6	1835.9	1866.0	1888.4	1151.0
50°	1613.9	1630.1	1747.4	1924.8	2046.4	2071.6	2007.8	1997.6	1952.5	1951.7	1172.9
52.5°	1498.0	1497.3	1569.3	1851.3	2082.0	2230.8	2173.4	2150.5	2024.0	1987.3	1174.7
55°	1341.6	1340.6	1394.2	1636.3	2011.3	2341.9	2329.7	2301.0	2089.5	1999.1	1162.7
57.5°	1016.0	1034.9	1088.2	1309.9	1787.0	2324.2	2478.9	2455.0	2153.5	1993.8	1160.5
60°	552.8	550.6	627.8	853.8	1368.2	2123.4	2543.9	2542.7	2221.5	1991.8	1174.2
62.5°	254.9	252.4	267.8	380.2	784.5	1701.1	2418.3	2436.3	2284.6	1973.6	1172.9
65°	190.6	184.1	163.2	176.9	300.2	1015.5	2054.1	2101.9	2187.4	1898.9	1118.6
67.5°	169.9	163.7	139.3	130.5	150.7	358.3	1490.1	1534.2	1829.1	1758.9	1030.7
70°	155.7	150.2	125.8	112.1	113.1	158.7	780.0	866.7	1340.6	1467.9	878.4
72.5°	142.0	137.3	115.1	98.7	95.2	104.9	265.8	320.6	833.9	1069.8	655.0
75°	127.6	123.1	103.6	88.4	81.7	77.7	126.6	136.3	441.0	590.7	351.5
77.5°	110.9	108.4	92.4	78.0	72.2	58.8	84.2	88.4	188.8	231.9	167.4
80°	96.4	94.4	82.5	70.8	64.8	45.3	58.0	61.0	93.2	115.8	93.7
82.5°	62.8	67.8	68.3	60.8	57.1	36.4	38.4	40.6	61.8	68.3	40.9
85°	25.9	31.4	47.1	41.9	39.6	30.9	25.4	25.9	37.9	39.9	14.7
87.5°	11.7	13.0	23.2	23.4	20.4	11.7	12.7	14.0	19.4	19.2	6.5
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°	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4
2.5°	761.6	750.1	729.7	703.6	684.9	671.2	656.2	645.3	633.1	622.3	624.1
5°	759.9	737.7	691.8	643.3	595.9	557.1	524.7	500.8	476.1	466.4	465.1
7.5°	761.4	723.7	648.5	569.0	497.0	447.4	409.8	387.2	373.0	364.7	365.2
10°	760.9	710.5	601.7	492.0	413.3	368.0	345.1	337.6	336.3	337.3	338.8
12.5°	761.6	692.6	549.1	422.8	353.3	330.1	331.1	337.8	342.1	344.8	346.5
15°	764.8	677.9	495.3	368.2	321.9	322.6	333.3	343.8	350.0	353.0	354.5
17.5°	769.6	659.5	447.4	326.9	308.7	320.1	334.1	345.3	350.0	351.8	353.0
20°	770.1	638.3	399.1	298.5	300.0	314.9	327.1	336.1	342.1	344.1	345.1
22.5°	767.8	609.6	349.5	277.8	290.0	304.9	315.4	325.6	317.6	311.2	309.4
25°	758.4	573.5	307.2	260.8	277.5	291.5	303.4	292.2	288.5	283.5	284.0
27.5°	737.9	528.4	267.3	244.9	262.8	282.8	274.0	272.6	267.8	262.8	262.8
30°	711.0	480.8	233.9	228.2	245.1	255.1	257.1	254.9	252.1	245.6	246.1
32.5°	686.9	430.5	210.3	214.3	233.9	233.9	242.7	242.7	232.7	214.5	214.5
35°	662.9	383.2	192.8	202.5	215.5	219.7	231.7	216.0	201.8	193.6	193.1
37.5°	644.3	342.8	181.4	192.6	197.6	208.3	208.5	197.1	192.3	184.9	184.1
40°	633.3	308.9	174.4	187.6	188.1	198.1	181.6	184.9	183.9	178.1	177.4
42.5°	627.3	282.8	169.2	183.4	180.9	171.2	168.2	173.6	175.4	172.4	171.2
45°	622.6	262.3	164.9	168.7	175.1	157.5	156.2	160.4	164.2	163.9	162.9
47.5°	620.1	248.1	161.2	159.4	160.7	149.2	146.7	148.7	153.5	156.5	156.2
50°	610.4	237.2	155.7	150.0	142.0	142.0	140.8	140.8	146.5	152.5	153.0
52.5°	593.2	224.2	147.7	141.0	131.8	135.8	136.3	135.3	141.3	147.7	148.2
55°	574.3	214.5	137.0	132.8	123.3	130.0	132.3	131.3	135.3	139.8	139.5
57.5°	574.5	214.3	127.8	124.6	115.3	122.8	128.3	128.6	128.3	131.5	131.5
60°	589.0	219.2	120.6	113.6	106.1	115.1	124.1	124.1	122.3	127.1	127.6
62.5°	593.2	218.7	116.1	103.1	97.9	108.1	117.8	119.3	118.1	124.8	125.6
65°	555.8	207.0	111.6	93.7	90.4	100.4	110.1	114.4	113.1	121.8	122.8
67.5°	504.0	191.8	104.6	85.2	82.7	92.9	102.1	106.6	106.4	117.8	118.3
70°	434.5	173.1	95.9	76.5	75.2	84.2	92.4	97.2	99.4	112.6	112.4
72.5°	336.6	148.5	82.7	67.3	67.0	75.2	82.5	87.7	91.9	104.6	104.6
75°	217.0	116.8	67.5	58.3	57.3	65.0	72.5	78.5	91.4	111.6	111.4
77.5°	132.5	89.2	54.3	48.6	48.3	55.3	62.8	73.0	99.9	99.4	96.7
80°	79.5	64.0	43.3	38.9	38.9	45.3	53.6	78.2	83.0	94.7	89.4
82.5°	41.4	39.4	32.4	28.7	29.9	35.6	48.8	62.5	67.8	57.6	52.8
85°	16.9	20.9	19.9	18.2	18.9	24.7	47.1	50.1	40.1	42.1	42.4
87.5°	5.7	9.2	9.2	7.2	8.0	17.4	27.9	16.7	20.2	12.0	9.0
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)