

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: P670886

Luminaire Tested: **CCP-SA-2A-840-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670886
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-840-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4713.6 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

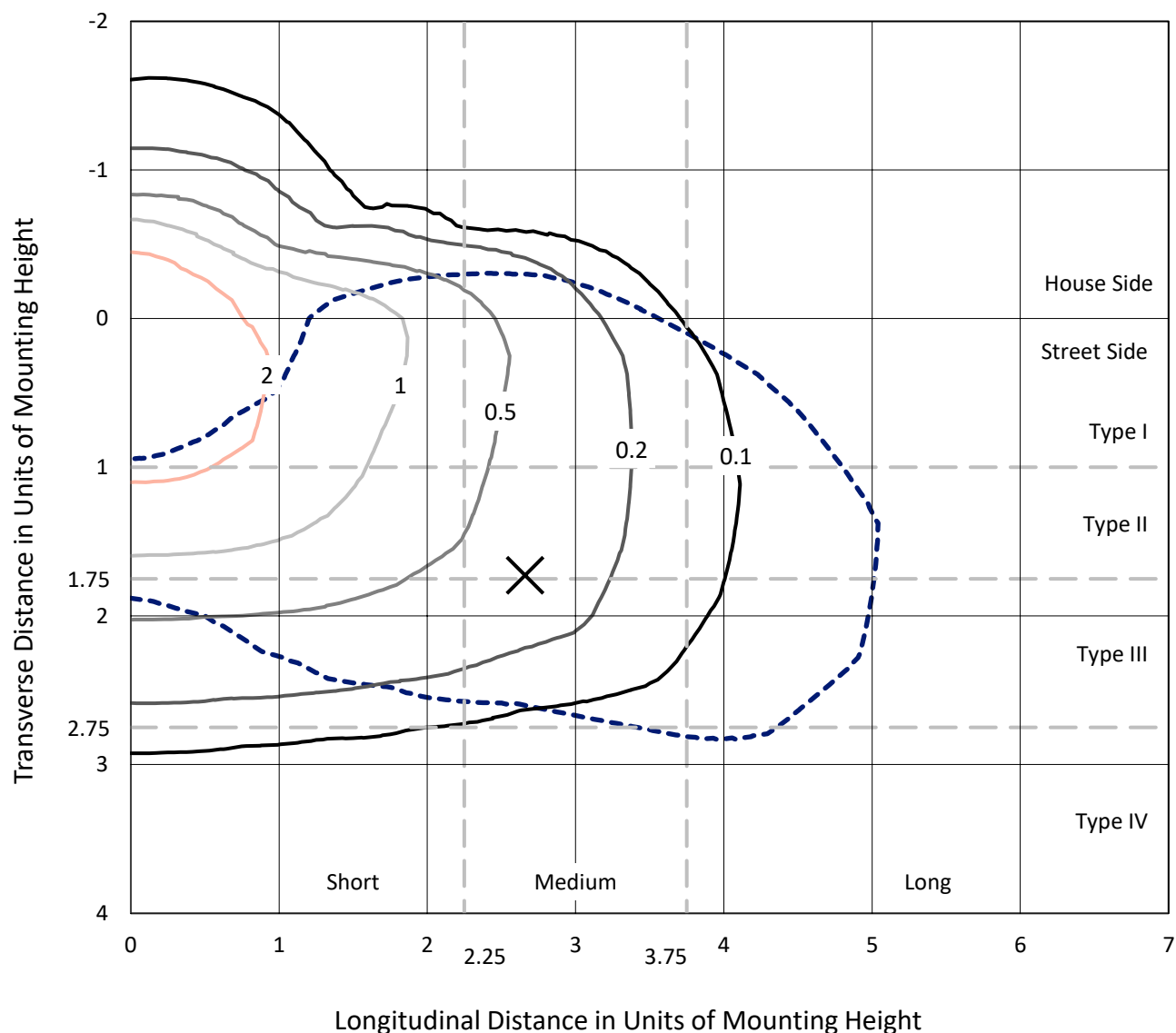
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

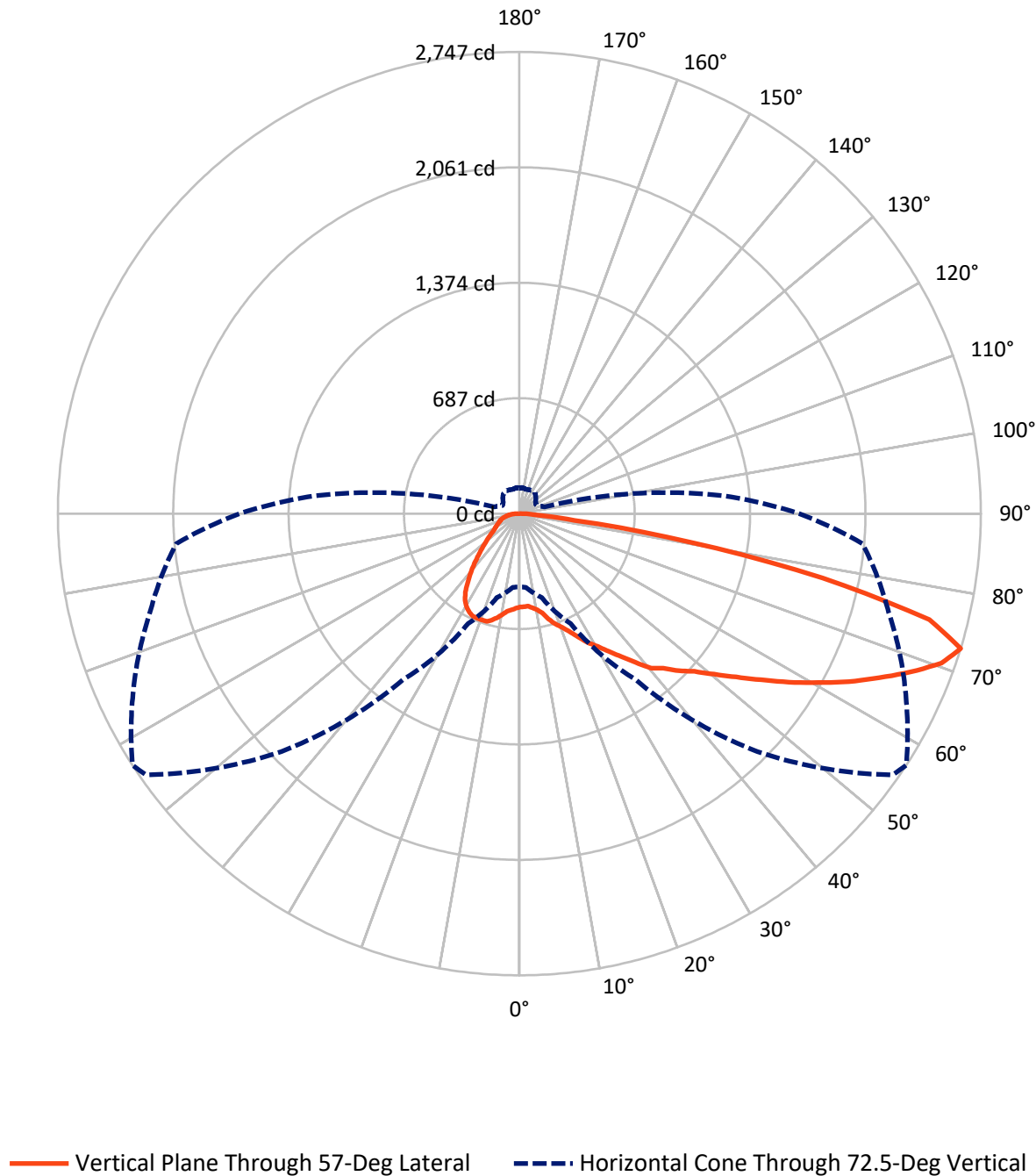
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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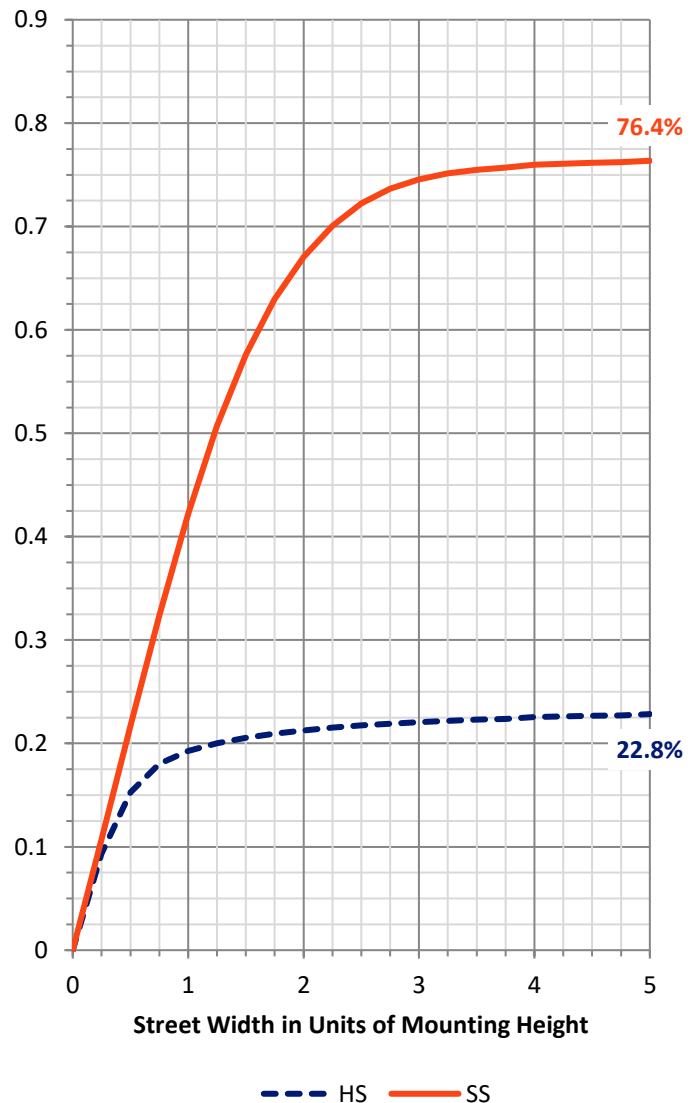
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.8	0.0	1100.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3612.8	0.0	3612.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	4713.6	0.0	4713.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.2
10°-20°	186.1	3.9
20°-30°	340.2	7.2
30°-40°	499.2	10.6
40°-50°	687.3	14.6
50°-60°	942.5	20.0
60°-70°	1136.1	24.1
70°-80°	756.8	16.1
80°-90°	110.2	2.3
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°	4713.6	100.0
0°-180°	4713.6	100.0

Coefficient of Utilization



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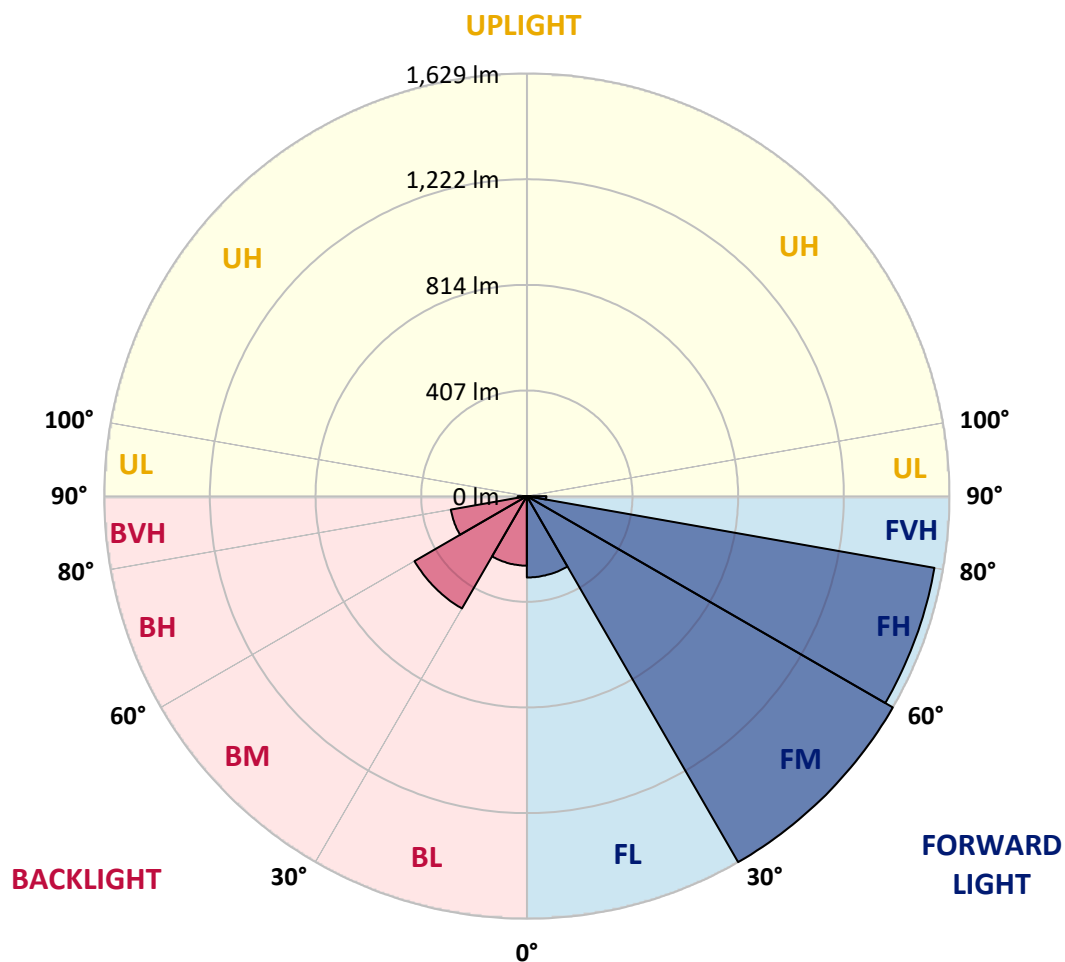
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.6	6.7			
FM	(30°-60°)	1628.9	34.6			
FH	(60°-80°)	1595.2	33.8			G1/1800
FVH	(80°-90°)	75.1	1.6			G1/100
BL	(0°-30°)	268.0	5.7	B1/500		
BM	(30°-60°)	500.0	10.6	B1/1000		
BH	(60°-80°)	297.6	6.3	B1/500		G1/500
BVH	(80°-90°)	35.2	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-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3
2.5°	546.0	547.8	551.2	549.5	549.5	544.3	552.9	554.6	551.2	552.9	556.3
5°	546.0	549.5	554.6	551.2	552.9	551.2	547.8	552.9	552.9	554.6	559.8
7.5°	575.2	573.5	573.5	568.4	566.7	564.9	566.7	566.7	563.2	564.9	564.9
10°	607.9	607.9	604.4	604.4	601.0	592.4	583.8	582.1	577.0	578.7	578.7
12.5°	642.2	645.6	649.1	638.8	635.3	621.6	616.4	606.1	606.1	602.7	601.0
15°	685.1	680.0	683.4	680.0	671.4	657.7	649.1	650.8	638.8	635.3	630.2
17.5°	722.9	724.6	719.5	716.0	700.6	690.3	692.0	690.3	674.8	669.7	661.1
20°	767.6	765.8	765.8	755.5	741.8	728.1	722.9	721.2	724.6	714.3	693.7
22.5°	813.9	807.1	807.1	798.5	779.6	771.0	767.6	760.7	764.1	755.5	724.6
25°	851.7	851.7	863.7	846.5	836.2	819.1	812.2	813.9	815.6	798.5	762.4
27.5°	901.5	892.9	904.9	896.3	891.2	872.3	863.7	868.9	865.4	846.5	796.7
30°	965.0	966.7	959.9	947.9	941.0	927.2	922.1	916.9	922.1	898.1	834.5
32.5°	1044.0	1049.2	1032.0	1018.3	1006.2	992.5	982.2	977.0	982.2	946.1	863.7
35°	1135.0	1140.2	1126.4	1111.0	1097.2	1062.9	1054.3	1045.7	1026.8	968.5	891.2
37.5°	1219.2	1212.3	1208.9	1208.9	1183.1	1133.3	1128.2	1123.0	1086.9	1013.1	929.0
40°	1275.8	1284.4	1281.0	1277.5	1274.1	1227.7	1217.4	1208.9	1148.8	1080.1	982.2
42.5°	1339.4	1334.2	1347.9	1353.1	1341.1	1327.3	1286.1	1256.9	1203.7	1148.8	1061.2
45°	1414.9	1411.5	1416.6	1435.5	1418.3	1423.5	1354.8	1334.2	1267.2	1234.6	1160.8
47.5°	1481.9	1490.5	1516.2	1521.4	1507.6	1531.7	1435.5	1402.9	1360.0	1334.2	1263.8
50°	1511.1	1521.4	1579.8	1615.8	1617.5	1655.3	1516.2	1502.5	1444.1	1454.4	1392.6
52.5°	1487.0	1519.7	1590.1	1684.5	1742.9	1780.7	1622.7	1615.8	1562.6	1595.2	1533.4
55°	1509.4	1540.3	1586.6	1718.8	1866.5	1875.1	1770.4	1744.6	1691.4	1736.0	1679.4
57.5°	1519.7	1502.5	1590.1	1756.6	1957.5	1979.9	1911.2	1892.3	1851.1	1894.0	1861.4
60°	1439.0	1459.6	1542.0	1746.3	1962.7	2091.5	2069.1	2041.7	2003.9	2043.4	2024.5
62.5°	1347.9	1361.7	1451.0	1684.5	1991.9	2172.2	2222.0	2201.4	2148.1	2182.5	2215.1
65°	1232.9	1234.6	1334.2	1574.6	1935.2	2218.5	2355.9	2354.2	2316.4	2307.8	2359.3
67.5°	1092.1	1105.8	1184.8	1457.8	1857.9	2270.0	2488.1	2513.9	2438.3	2371.4	2390.2
70°	838.0	851.7	927.2	1195.1	1700.0	2254.6	2651.2	2665.0	2517.3	2347.3	2299.2
72.5°	436.2	439.6	516.9	721.2	1205.4	2002.2	2711.3	2747.4	2537.9	2276.9	2050.3
75°	144.2	144.2	176.9	274.7	568.4	1281.0	2455.5	2520.7	2436.6	2101.8	1677.6
77.5°	85.9	87.6	104.7	137.4	226.7	511.7	1730.9	1845.9	1993.6	1787.5	1226.0
80°	61.8	63.5	79.0	94.4	135.7	164.8	868.9	1028.6	1224.3	1150.5	654.2
82.5°	46.4	46.4	61.8	70.4	92.7	97.9	242.1	331.4	528.9	412.1	180.3
85°	48.1	48.1	48.1	49.8	63.5	56.7	101.3	108.2	154.5	135.7	49.8
87.5°	17.2	18.9	48.1	32.6	32.6	24.0	39.5	42.9	54.9	56.7	18.9
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°	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3	556.3
2.5°	558.1	558.1	559.8	559.8	563.2	566.7	571.8	568.4	568.4	570.1	568.4
5°	556.3	558.1	563.2	571.8	575.2	577.0	587.3	587.3	587.3	590.7	590.7
7.5°	563.2	566.7	575.2	583.8	585.5	590.7	604.4	607.9	616.4	619.9	621.6
10°	580.4	585.5	592.4	602.7	609.6	616.4	626.8	638.8	637.1	647.4	649.1
12.5°	606.1	604.4	616.4	626.8	633.6	643.9	647.4	647.4	647.4	647.4	650.8
15°	626.8	630.2	640.5	647.4	655.9	654.2	647.4	640.5	642.2	640.5	640.5
17.5°	657.7	657.7	666.2	668.0	671.4	654.2	643.9	643.9	649.1	649.1	645.6
20°	688.6	686.9	690.3	688.6	666.2	645.6	643.9	645.6	647.4	645.6	643.9
22.5°	717.8	714.3	709.2	702.3	662.8	643.9	640.5	631.9	623.3	623.3	618.2
25°	743.5	740.1	726.3	705.7	661.1	633.6	616.4	595.8	585.5	580.4	587.3
27.5°	767.6	760.7	741.8	705.7	645.6	606.1	573.5	547.8	539.2	532.3	539.2
30°	800.2	788.2	762.4	700.6	621.6	563.2	518.6	487.7	479.1	468.8	472.2
32.5°	829.4	801.9	779.6	685.1	590.7	515.1	463.6	432.7	417.3	408.7	415.5
35°	860.3	832.8	786.4	661.1	542.6	456.8	405.2	376.1	364.0	352.0	352.0
37.5°	891.2	875.7	796.7	616.4	484.2	401.8	355.4	333.1	312.5	290.2	290.2
40°	956.4	935.8	808.8	564.9	425.8	348.6	316.0	286.8	266.2	235.2	233.5
42.5°	1025.1	980.5	808.8	503.1	374.3	310.8	279.9	249.0	211.2	192.3	194.0
45°	1112.7	1061.2	786.4	448.2	322.8	279.9	245.5	206.1	188.9	176.9	176.9
47.5°	1222.6	1141.9	759.0	388.1	281.6	252.4	209.5	185.4	173.4	163.1	161.4
50°	1353.1	1215.7	724.6	336.6	247.3	226.7	190.6	171.7	161.4	154.5	154.5
52.5°	1490.5	1323.9	700.6	290.2	219.8	192.3	176.9	164.8	156.3	151.1	149.4
55°	1629.6	1432.1	683.4	240.4	194.0	176.9	173.4	163.1	159.7	154.5	151.1
57.5°	1785.8	1521.4	680.0	206.1	173.4	170.0	176.9	168.3	163.1	158.0	152.8
60°	1954.1	1641.6	649.1	178.6	163.1	166.6	171.7	163.1	159.7	154.5	151.1
62.5°	2120.7	1730.9	564.9	158.0	152.8	156.3	163.1	156.3	151.1	152.8	154.5
65°	2189.3	1737.7	437.9	142.5	140.8	142.5	152.8	151.1	146.0	156.3	156.3
67.5°	2120.7	1675.9	309.1	128.8	128.8	137.4	154.5	158.0	152.8	166.6	164.8
70°	1964.4	1523.1	209.5	120.2	123.6	146.0	159.7	156.3	149.4	166.6	163.1
72.5°	1667.3	1219.2	152.8	111.6	116.8	139.1	158.0	154.5	149.4	156.3	149.4
75°	1251.8	867.2	120.2	101.3	103.0	125.4	163.1	154.5	140.8	137.4	132.2
77.5°	836.2	535.7	92.7	89.3	89.3	109.9	156.3	144.2	127.1	121.9	120.2
80°	398.4	214.6	73.8	75.6	77.3	94.4	142.5	128.8	115.0	108.2	108.2
82.5°	127.1	80.7	61.8	61.8	61.8	77.3	118.5	108.2	99.6	94.4	85.9
85°	44.6	44.6	53.2	54.9	49.8	56.7	97.9	92.7	82.4	68.7	67.0
87.5°	17.2	25.8	36.1	42.9	30.9	39.5	70.4	65.3	60.1	44.6	42.9
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)