

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: McGRAW-EDISON

Report Number: P947705

Luminaire Tested: **GALN-SB3A-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8564 lumens
Efficiency: N/A
Efficacy: 101.1 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): 84.7
Input Voltage (V): NR
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: 24 FT



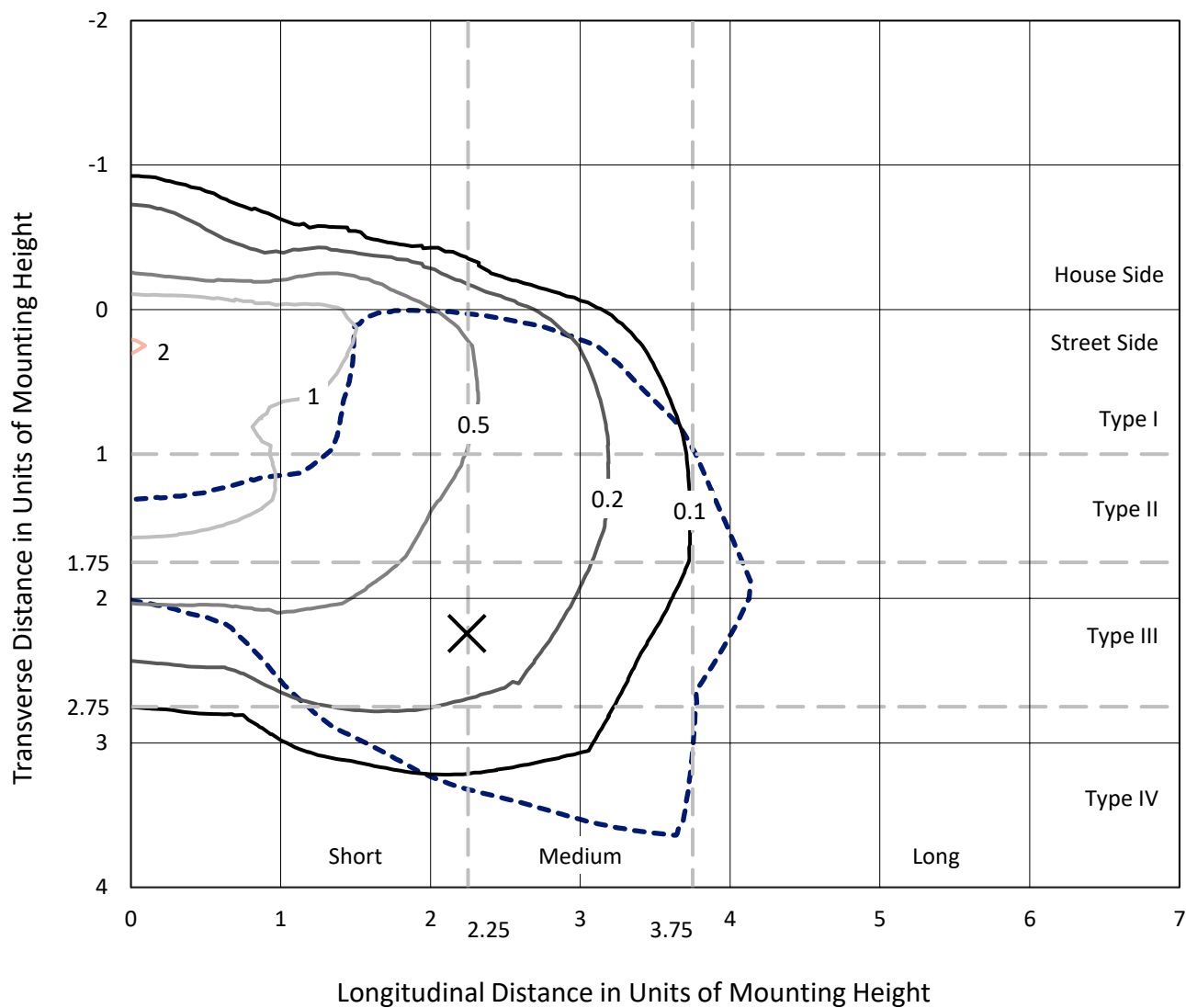
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Iso-Footcandle Lines of Horizontal Illumination

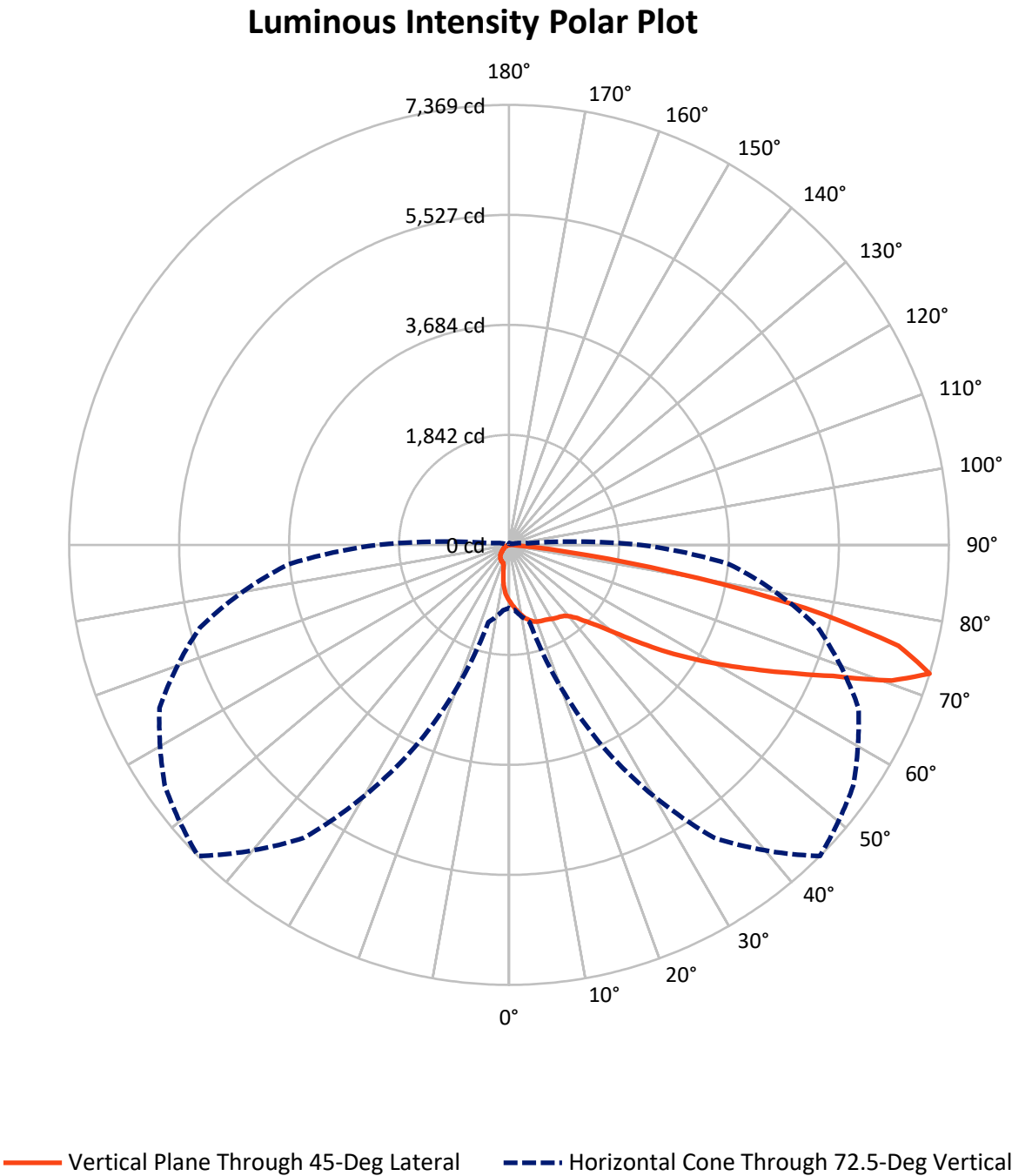
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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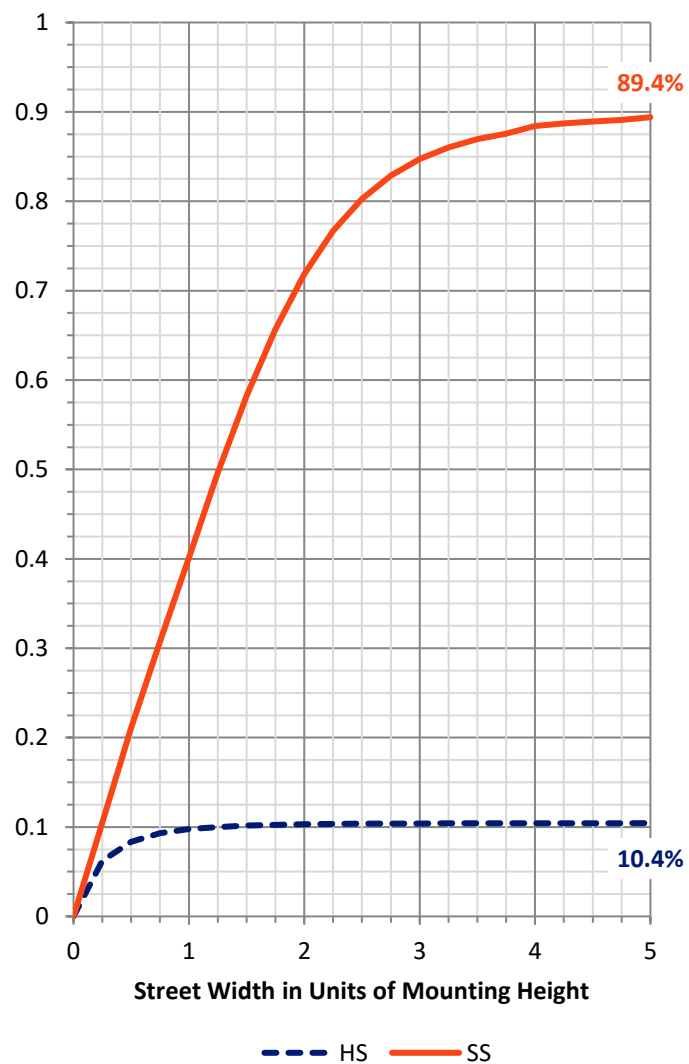
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	899.8	0.0	899.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	7664.2	0.0	7664.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	8564.0	0.0	8564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	1.0
10°-20°	258.3	3.0
20°-30°	424.3	5.0
30°-40°	601.7	7.0
40°-50°	994.5	11.6
50°-60°	1786.5	20.9
60°-70°	2480.7	29.0
70°-80°	1799.4	21.0
80°-90°	130.1	1.5
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°	8564.0	100.0
0°-180°	8564.0	100.0

Coefficient of Utilization



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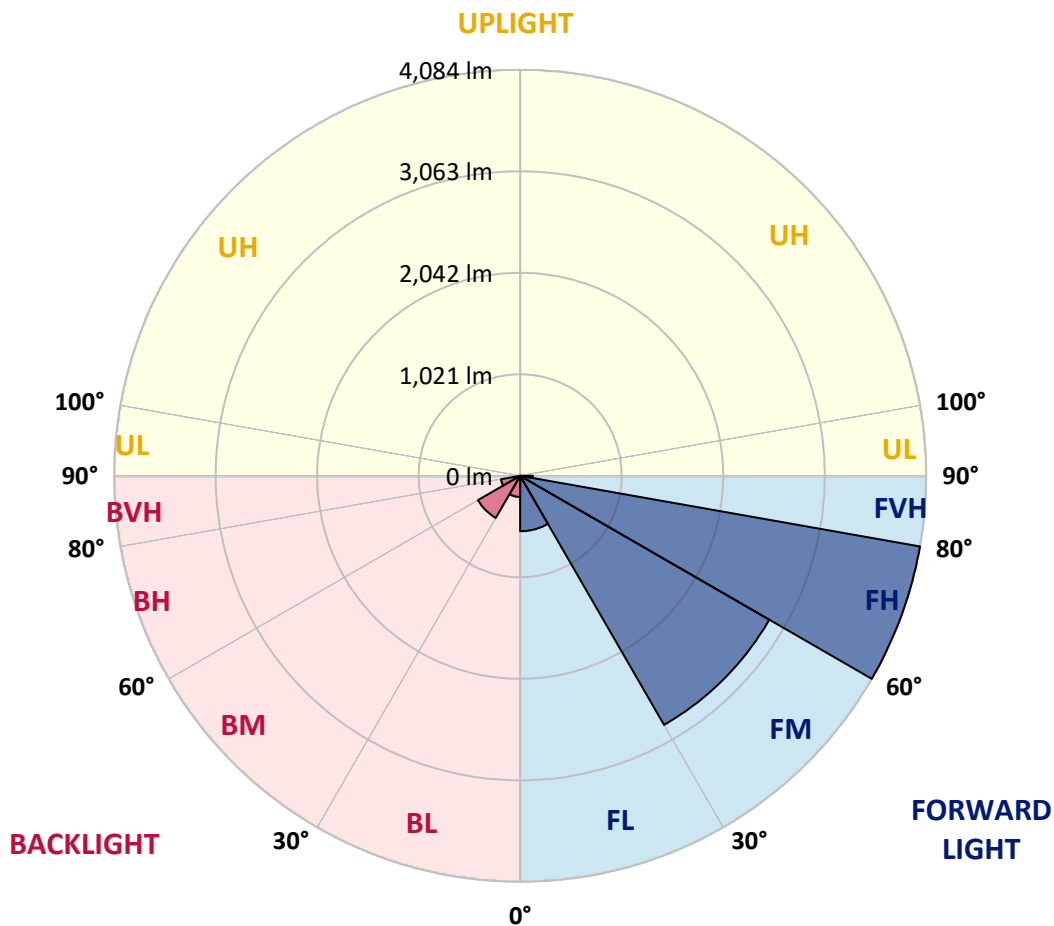
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	557.9	6.5			
FM	(30°-60°)	2893.4	33.8			
FH	(60°-80°)	4083.9	47.7			G2/5000
FVH	(80°-90°)	129.0	1.5			G2/225
BL	(0°-30°)	213.1	2.5	B1/500		
BM	(30°-60°)	489.4	5.7	B1/1000		
BH	(60°-80°)	196.2	2.3	B1/500		G1/500
BVH	(80°-90°)	1.1	0.0			G0/10
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°	35°	45°	46°	55°	65°	75°	85°
0°	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2
2.5°	1024.7	1026.5	1025.3	1018.3	1006.6	1000.2	996.7	985.0	977.4	963.9	949.9
5°	1118.8	1125.8	1121.8	1107.7	1085.5	1069.7	1065.1	1041.1	1019.5	994.3	965.1
7.5°	1218.8	1222.3	1214.7	1196.6	1166.8	1139.9	1135.8	1102.5	1068.0	1029.4	989.6
10°	1305.3	1309.4	1297.7	1271.4	1237.5	1204.2	1198.3	1161.5	1120.6	1073.2	1022.4
12.5°	1377.8	1381.9	1366.7	1335.1	1297.7	1263.2	1257.4	1218.8	1173.8	1121.2	1058.0
15°	1432.7	1440.3	1419.9	1386.0	1345.6	1311.1	1308.2	1270.2	1226.4	1167.9	1100.7
17.5°	1464.9	1472.5	1453.2	1412.3	1377.8	1348.6	1345.1	1313.5	1272.6	1216.5	1142.2
20°	1470.1	1477.2	1456.7	1421.0	1392.4	1369.0	1367.3	1344.5	1314.7	1260.9	1187.2
22.5°	1454.4	1463.1	1444.4	1415.8	1395.9	1383.6	1381.3	1368.4	1351.5	1305.9	1229.3
25°	1438.0	1445.0	1431.0	1405.8	1395.3	1394.2	1395.9	1393.6	1390.1	1351.5	1278.4
27.5°	1436.8	1444.4	1428.6	1404.7	1398.8	1411.1	1412.9	1424.0	1426.9	1393.0	1325.8
30°	1446.8	1452.0	1436.8	1411.7	1408.8	1436.8	1437.4	1457.3	1462.0	1428.1	1372.5
32.5°	1468.4	1474.2	1459.0	1422.2	1418.1	1457.3	1459.0	1485.3	1492.9	1465.5	1421.6
35°	1519.2	1526.3	1508.7	1451.4	1436.8	1476.6	1481.8	1512.8	1528.0	1505.2	1472.5
37.5°	1646.1	1625.6	1601.7	1510.5	1479.5	1507.0	1515.7	1552.0	1578.9	1552.6	1533.3
40°	1961.2	1896.9	1822.0	1611.0	1554.3	1571.9	1578.9	1615.1	1651.9	1626.2	1616.9
42.5°	2434.1	2358.1	2237.7	1842.5	1667.1	1675.9	1681.2	1712.7	1764.8	1744.3	1746.6
45°	2855.5	2828.1	2705.3	2237.7	1878.2	1834.9	1841.3	1857.7	1934.3	1926.7	1941.9
47.5°	3179.4	3163.6	3068.9	2691.3	2234.7	2029.6	2047.7	2055.3	2165.8	2192.7	2233.6
50°	3428.4	3422.5	3337.8	3094.6	2700.6	2316.6	2323.0	2306.6	2472.1	2538.7	2616.5
52.5°	3663.4	3683.3	3620.7	3469.3	3198.1	2692.4	2691.3	2614.1	2837.4	2938.0	3070.6
55°	3875.6	3882.6	3889.0	3851.6	3698.5	3120.3	3109.2	2983.0	3261.2	3365.3	3509.1
57.5°	4074.9	4077.8	4135.1	4211.7	4219.3	3579.8	3559.3	3407.9	3724.2	3798.4	3886.7
60°	4208.8	4222.2	4343.2	4556.0	4648.9	4053.9	4042.8	3888.4	4195.3	4229.8	4213.4
62.5°	4015.9	4097.7	4402.8	4824.9	5054.6	4579.4	4574.1	4429.1	4691.0	4663.0	4522.7
65°	3250.7	3389.2	3925.8	5006.7	5452.7	5166.3	5173.9	5019.5	5200.2	5109.0	4774.0
67.5°	2273.9	2420.0	3054.9	5021.3	5897.5	5855.4	5899.3	5657.3	5740.9	5536.3	4833.7
70°	1572.4	1647.8	2061.1	4706.8	6244.2	6804.8	6803.6	6440.6	6278.7	5730.9	4529.7
72.5°	1057.5	1096.6	1338.6	3734.1	5989.3	7368.9	7334.9	7039.2	6459.9	5359.7	3700.8
75°	446.0	474.7	619.6	2098.5	4738.4	6741.6	6649.9	6220.8	5739.7	4220.5	2309.0
77.5°	141.5	153.7	244.3	751.1	2610.0	5067.5	4970.4	3884.9	3846.9	2117.2	844.1
80°	67.2	78.3	137.4	301.6	1027.1	2756.2	2742.7	1762.4	1654.9	571.7	169.5
82.5°	29.2	34.5	76.0	161.3	459.5	983.2	1003.1	599.7	496.3	216.9	52.0
85°	9.4	12.3	35.1	74.2	194.1	244.3	241.4	142.6	199.9	118.1	18.1
87.5°	0.0	0.0	11.7	17.0	19.9	14.0	15.8	12.3	55.5	32.7	6.4
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°	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2
2.5°	942.9	933.5	917.2	902.0	888.5	875.1	866.9	855.2	854.0	854.0	857.0
5°	949.3	934.1	904.9	873.9	838.2	804.3	770.4	737.7	727.2	719.6	723.1
7.5°	968.0	944.0	897.9	838.8	771.0	696.8	644.8	588.6	567.0	555.3	557.1
10°	994.9	962.2	892.0	788.6	678.7	577.5	503.3	442.5	419.1	409.2	409.2
12.5°	1024.7	984.4	881.5	726.0	577.5	456.5	384.1	356.0	352.5	352.5	352.5
15°	1060.4	1011.3	863.4	652.4	471.7	361.3	335.5	336.7	340.2	342.5	342.5
17.5°	1097.2	1039.9	834.7	569.9	378.2	325.0	325.6	327.3	330.3	332.6	332.6
20°	1137.0	1068.6	796.7	482.3	324.4	314.5	316.2	318.0	320.3	321.5	322.1
22.5°	1179.6	1095.4	751.7	396.3	306.3	305.7	306.3	308.1	311.0	311.0	312.2
25°	1225.2	1125.3	700.3	333.8	297.0	297.0	298.1	299.3	301.6	301.6	302.2
27.5°	1272.0	1152.7	645.9	301.0	288.8	288.2	288.2	289.9	291.1	291.7	292.3
30°	1323.4	1184.9	591.6	294.0	282.3	279.4	277.7	278.8	280.0	280.6	281.8
32.5°	1376.0	1215.9	543.0	297.0	275.9	270.6	264.8	263.6	263.6	266.0	267.7
35°	1434.5	1249.8	505.6	306.9	272.4	257.8	248.4	243.2	243.8	247.3	249.0
37.5°	1504.6	1290.7	478.2	315.7	270.1	243.2	228.0	221.5	217.5	221.5	220.4
40°	1596.4	1350.9	458.3	322.7	267.1	226.2	205.8	195.2	187.6	190.0	188.8
42.5°	1731.4	1445.6	450.7	323.3	260.7	206.3	183.0	168.9	157.8	158.4	156.1
45°	1920.8	1595.2	489.9	315.7	246.7	184.7	159.0	140.3	133.3	131.5	129.2
47.5°	2180.4	1813.3	580.5	299.9	226.2	163.7	135.6	119.8	114.6	111.6	109.9
50°	2528.2	2093.3	681.0	282.3	205.8	143.8	116.3	106.4	102.9	100.0	99.4
52.5°	2931.5	2377.4	763.4	264.8	185.3	126.3	104.1	98.2	95.3	92.9	92.4
55°	3301.5	2573.2	758.7	246.1	165.4	112.2	95.3	91.8	88.3	85.9	84.8
57.5°	3531.9	2600.7	625.5	225.6	142.6	101.1	87.1	84.8	80.7	77.7	77.2
60°	3637.7	2444.0	438.4	198.7	119.8	90.6	78.3	77.2	71.9	67.8	66.6
62.5°	3657.0	2152.9	292.3	165.4	100.0	80.7	69.6	67.8	60.8	53.8	50.3
65°	3578.6	1736.7	202.3	129.2	85.3	70.1	59.6	56.1	48.5	41.5	39.2
67.5°	3330.8	1219.4	140.9	92.9	72.5	55.5	47.3	46.2	40.3	34.5	32.7
70°	2876.6	695.0	94.1	69.6	57.3	38.0	37.4	38.6	32.7	28.1	25.7
72.5°	2205.5	318.0	58.5	50.9	39.2	25.7	29.8	30.4	25.1	21.0	18.7
75°	1298.3	136.2	36.8	32.7	19.9	17.0	21.6	22.2	17.0	13.4	11.7
77.5°	441.9	51.4	23.4	19.3	9.9	9.4	14.0	14.0	9.4	5.3	4.1
80°	100.5	19.3	11.7	7.6	4.7	4.1	4.7	4.1	2.3	0.6	0.0
82.5°	28.6	7.6	4.7	2.9	1.8	1.8	0.6	0.0	0.0	0.0	0.0
85°	8.2	3.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)