

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: P946986

Luminaire Tested: **GALN-SB2C-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12602 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 100.9
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

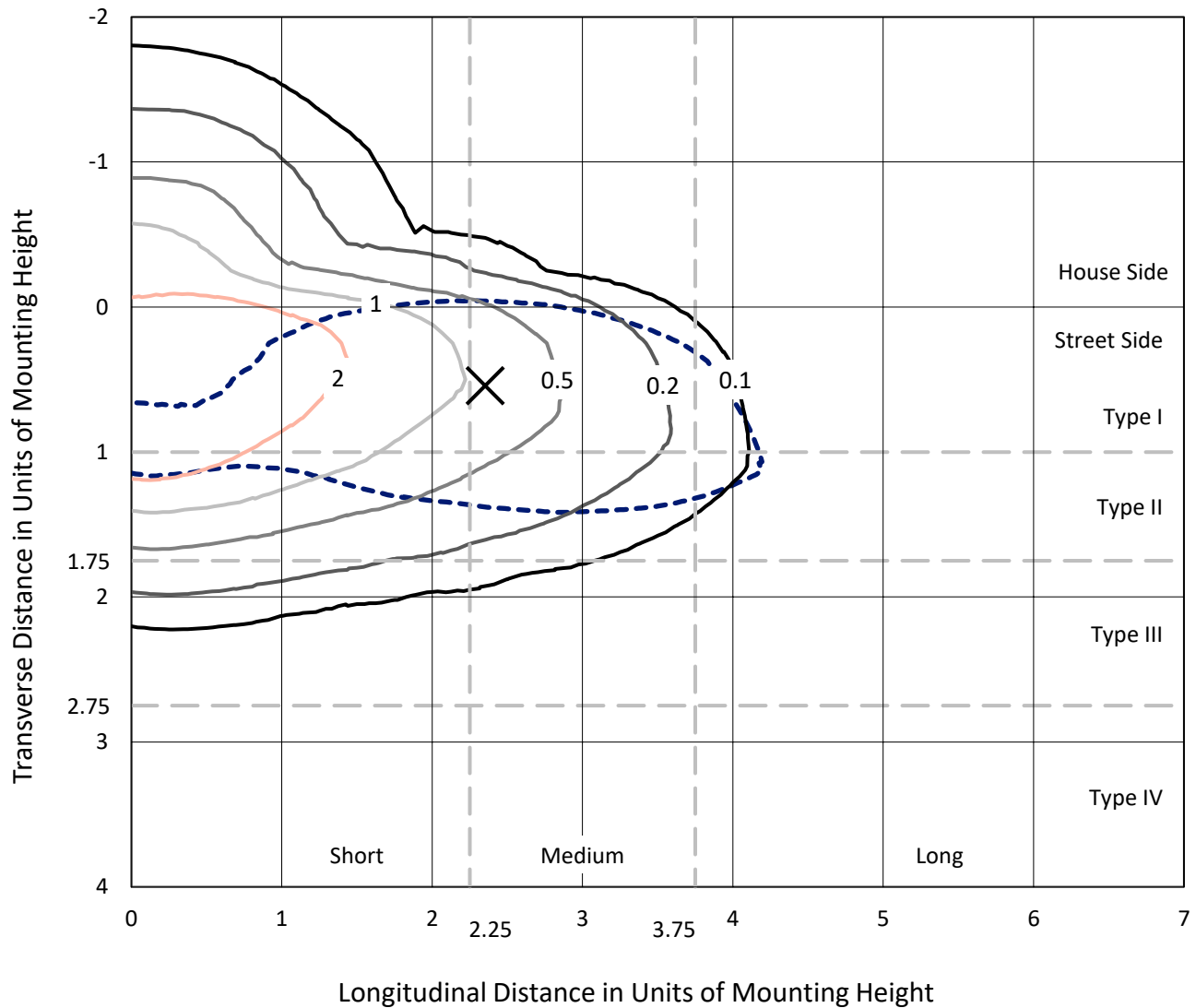


REPORT NUMBER: P946986

CATALOG NUMBER: GALN-SB2C-722-U-T2R

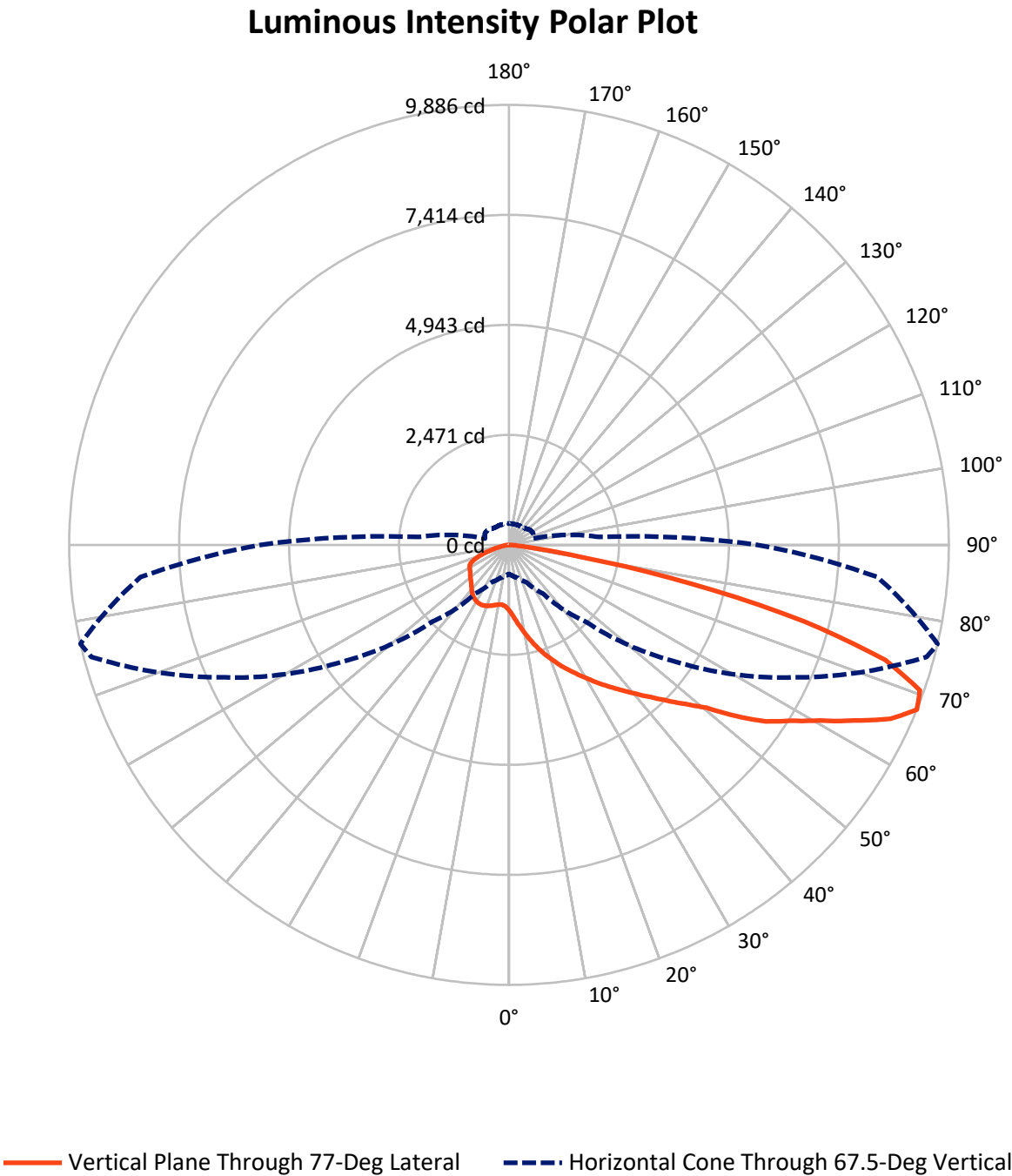
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type II - Medium - N/A

REPORT NUMBER: P946986
CATALOG NUMBER: GALN-SB2C-722-U-T2R



REPORT NUMBER: P946986

CATALOG NUMBER: GALN-SB2C-722-U-T2R

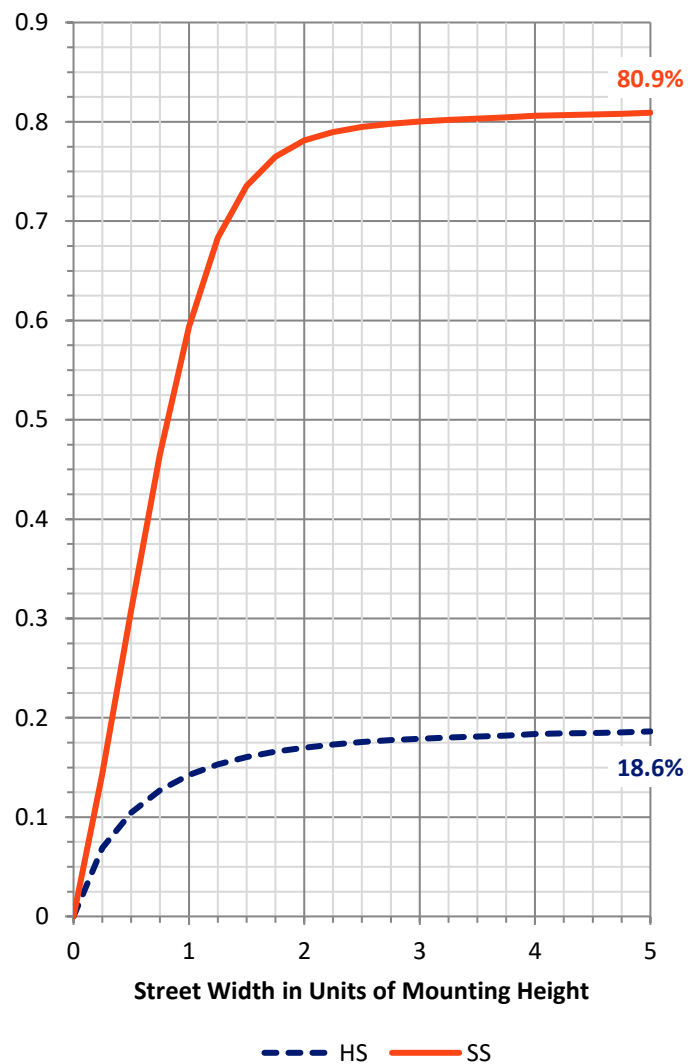
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2383.8	0.0	2383.8
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	10218.2	0.0	10218.2
	% Fixture	81.1	0.0	81.1
Total	Lumens	12602.0	0.0	12602.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	1.3
10°-20°	569.4	4.5
20°-30°	1075.0	8.5
30°-40°	1731.9	13.7
40°-50°	2368.9	18.8
50°-60°	2672.1	21.2
60°-70°	2494.1	19.8
70°-80°	1367.2	10.8
80°-90°	164.9	1.3
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°	12602.0	100.0
0°-180°	12602.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946986

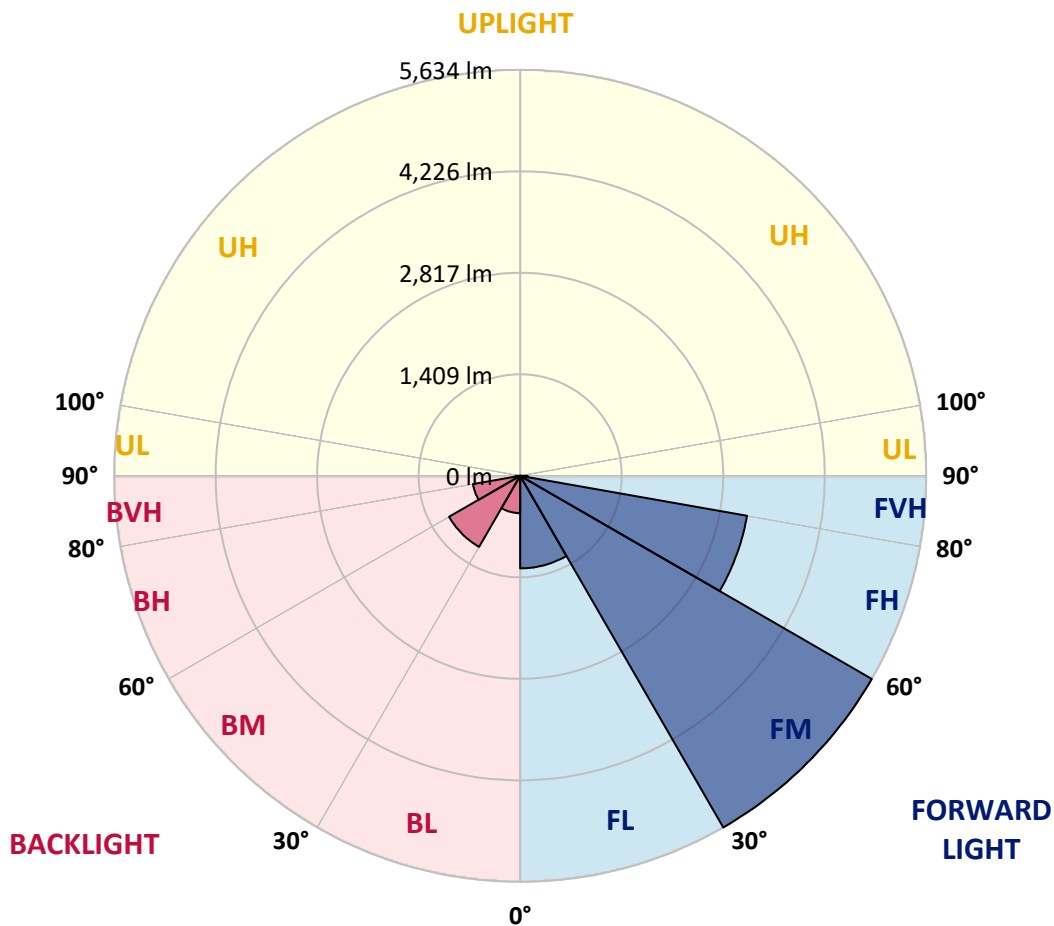
CATALOG NUMBER: GALN-SB2C-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1284.6	10.2			
FM	(30°-60°)	5634.2	44.7			
FH	(60°-80°)	3196.2	25.4			G2/5000
FVH	(80°-90°)	103.1	0.8			G2/225
BL	(0°-30°)	518.3	4.1	B2/1000		
BM	(30°-60°)	1138.7	9.0	B2/2500		
BH	(60°-80°)	665.0	5.3	B2/1000		G2/1000
BVH	(80°-90°)	61.8	0.5			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 II Medium



REPORT NUMBER: P946986

CATALOG NUMBER: GALN-SB2C-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1851.3	1864.4	1848.1	1848.1	1793.5	1764.8	1710.2	1668.6	1593.7	1580.7	1531.3
5°	2188.3	2204.6	2181.8	2172.0	2107.6	2048.5	1956.7	1866.3	1733.0	1719.3	1602.9
7.5°	2449.2	2470.0	2449.8	2439.4	2382.2	2315.8	2208.5	2082.3	1894.3	1867.6	1699.1
10°	2661.9	2665.1	2658.6	2662.5	2617.6	2563.0	2453.1	2306.1	2071.2	2034.8	1815.6
12.5°	2782.2	2797.2	2810.2	2833.6	2825.8	2792.0	2693.1	2517.5	2258.6	2211.7	1942.4
15°	2838.8	2864.8	2894.1	2948.1	2991.7	3000.1	2924.7	2744.5	2449.2	2392.6	2070.6
17.5°	2859.0	2883.7	2929.9	3008.0	3101.6	3164.7	3130.9	2965.0	2637.8	2572.8	2205.2
20°	2961.1	2968.3	2996.2	3070.4	3171.9	3276.6	3302.0	3177.1	2824.5	2751.0	2344.4
22.5°	3179.7	3165.4	3173.2	3207.0	3279.9	3381.3	3439.2	3364.4	3016.4	2931.8	2484.9
25°	3540.7	3499.1	3457.5	3418.4	3455.5	3512.7	3578.4	3551.8	3217.4	3110.1	2626.8
27.5°	3996.7	3946.0	3854.3	3726.1	3681.2	3701.4	3730.7	3725.5	3403.5	3294.8	2773.1
30°	4445.6	4386.4	4277.1	4091.7	3973.3	3920.0	3897.8	3882.9	3605.8	3490.0	2920.8
32.5°	4804.0	4757.2	4649.8	4442.3	4270.6	4179.5	4106.0	4052.7	3817.2	3701.4	3076.9
35°	5117.6	5074.0	4951.0	4724.6	4537.9	4441.0	4344.7	4230.9	4037.1	3920.0	3244.7
37.5°	5403.8	5360.2	5191.7	4956.2	4768.2	4701.2	4615.4	4422.2	4257.6	4147.0	3422.3
40°	5584.6	5574.9	5417.4	5150.7	4955.6	4922.4	4893.8	4644.0	4502.2	4399.4	3617.5
42.5°	5630.8	5652.3	5527.4	5308.2	5122.1	5095.4	5162.4	4895.1	4776.7	4678.5	3838.7
45°	5519.6	5581.4	5499.4	5350.4	5240.5	5226.2	5400.5	5169.6	5080.5	4990.7	4105.4
47.5°	5237.9	5342.6	5308.8	5288.0	5272.4	5334.2	5610.0	5461.0	5424.6	5346.5	4409.8
50°	4669.4	4867.8	4927.0	5058.4	5209.3	5418.1	5800.6	5779.1	5826.6	5747.9	4780.6
52.5°	3686.4	3959.6	4303.1	4632.3	5015.4	5390.1	6010.0	6235.8	6436.1	6393.2	5369.9
55°	3043.1	3166.0	3430.1	4033.8	4639.4	5272.4	6104.4	6604.6	7041.1	7002.7	5816.8
57.5°	2548.7	2658.6	2821.3	3325.4	4070.9	5005.0	6162.9	6829.7	7455.5	7451.6	6257.9
60°	2018.5	2135.0	2301.5	2658.6	3406.7	4543.2	6149.9	7086.0	7984.3	8016.9	6795.9
62.5°	1420.1	1548.2	1733.0	2066.0	2728.2	3944.7	5884.5	7271.4	8606.9	8695.3	7443.1
65°	933.5	1018.0	1157.3	1444.8	2032.8	3175.1	5377.8	7295.5	9273.0	9422.6	8050.7
67.5°	654.4	686.9	768.9	925.0	1340.0	2434.9	4570.5	7046.3	9717.3	9885.8	8314.2
70°	510.6	526.9	568.5	631.0	841.8	1637.3	3502.3	6398.4	9622.3	9798.0	8039.0
72.5°	441.0	456.7	472.3	480.1	564.6	1010.9	2372.4	5349.8	8727.9	8846.9	6989.7
75°	400.1	404.0	417.0	414.4	430.6	655.7	1369.3	3897.8	6886.3	6845.3	5159.8
77.5°	336.3	341.5	363.0	359.7	382.5	448.2	711.0	2515.5	4464.4	4186.0	2872.0
80°	284.9	287.5	310.9	307.0	332.4	324.6	363.0	1282.2	1893.6	1604.2	828.1
82.5°	98.9	122.3	237.4	244.6	253.7	196.5	209.5	523.0	578.3	443.0	173.7
85°	48.1	51.4	121.0	171.7	171.1	98.9	102.1	186.7	182.1	143.1	57.9
87.5°	7.8	9.8	14.3	67.0	53.3	26.0	35.1	36.4	37.7	32.5	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P946986

CATALOG NUMBER: GALN-SB2C-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1494.9	1462.3	1394.0	1330.9	1281.5	1234.0	1207.3	1184.6	1171.6	1169.0	1169.0
5°	1535.2	1468.2	1344.0	1239.2	1170.9	1120.2	1093.5	1076.6	1068.1	1062.9	1062.3
7.5°	1593.1	1494.9	1317.9	1198.9	1127.3	1090.9	1077.2	1074.6	1074.0	1074.6	1076.6
10°	1673.1	1538.5	1315.3	1189.1	1129.3	1109.1	1108.5	1109.1	1111.7	1112.4	1113.0
12.5°	1759.6	1583.3	1325.7	1197.6	1154.0	1142.9	1141.0	1140.3	1142.3	1143.6	1144.2
15°	1853.9	1642.5	1343.3	1215.8	1181.3	1169.6	1167.7	1163.8	1163.1	1162.5	1161.8
17.5°	1950.9	1701.1	1362.8	1235.3	1198.9	1182.6	1175.5	1166.4	1159.2	1157.3	1159.2
20°	2049.1	1759.0	1376.5	1245.1	1200.2	1177.4	1163.1	1147.5	1135.1	1128.0	1130.6
22.5°	2153.8	1819.5	1384.9	1242.5	1188.5	1157.3	1131.2	1113.0	1094.2	1081.8	1082.4
25°	2256.0	1872.2	1384.3	1228.8	1165.7	1126.0	1092.9	1069.4	1043.4	1030.4	1030.4
27.5°	2354.2	1919.7	1368.0	1204.7	1133.2	1089.0	1049.3	1021.3	995.9	983.6	982.9
30°	2455.7	1959.3	1342.6	1169.6	1094.8	1046.0	1002.4	978.4	955.6	943.9	943.2
32.5°	2556.5	1995.8	1306.9	1126.0	1050.6	1003.7	960.8	938.7	925.0	925.0	925.7
35°	2663.2	2021.1	1259.4	1075.3	1003.7	958.8	925.0	912.0	910.7	902.9	901.0
37.5°	2775.7	2037.4	1201.5	1023.3	957.5	915.3	904.9	889.2	876.2	859.3	856.7
40°	2894.1	2053.7	1131.9	969.3	908.8	885.3	880.8	860.0	822.9	781.3	775.4
42.5°	3037.9	2064.7	1059.7	915.3	857.4	849.6	856.1	820.3	761.1	729.9	730.5
45°	3204.4	2082.9	993.3	861.9	804.7	804.7	832.0	785.2	736.4	716.9	720.1
47.5°	3420.4	2125.2	931.5	803.4	755.9	768.9	778.7	742.9	715.6	691.5	690.8
50°	3732.6	2226.7	867.8	744.2	718.8	744.8	731.2	710.4	678.5	659.0	657.0
52.5°	4120.3	2286.5	811.2	690.8	686.9	713.0	693.4	673.9	649.9	623.8	618.6
55°	4384.4	2297.6	763.7	651.8	665.5	662.9	655.7	638.1	625.1	590.7	591.3
57.5°	4679.8	2319.7	724.7	628.4	651.8	623.2	620.6	605.6	588.7	565.3	557.5
60°	5033.0	2354.2	690.8	619.3	640.1	597.2	584.2	578.3	561.4	549.7	552.9
62.5°	5418.1	2385.4	656.4	620.6	626.4	571.8	552.3	550.3	539.9	536.0	536.0
65°	5680.9	2300.2	613.4	619.3	605.0	545.8	521.1	520.4	512.0	510.6	510.0
67.5°	5589.2	2030.2	555.5	601.1	582.9	519.8	492.4	489.8	478.8	479.4	479.4
70°	5129.9	1645.1	475.5	556.2	555.5	496.3	462.5	454.1	439.1	441.7	444.3
72.5°	4268.6	1219.1	368.2	481.4	512.0	474.9	428.0	414.4	395.5	398.1	397.5
75°	3082.8	828.7	268.0	366.2	445.6	449.5	394.2	370.8	348.0	351.9	353.2
77.5°	1577.5	469.7	197.1	252.4	350.0	408.5	363.6	332.4	327.2	363.6	358.4
80°	514.6	235.5	136.6	176.9	229.6	334.4	318.7	283.0	281.7	290.1	249.1
82.5°	153.5	99.5	87.8	116.4	126.8	256.3	275.2	214.0	184.1	193.9	200.4
85°	52.7	48.1	50.1	57.9	60.5	150.3	192.6	141.8	134.0	147.7	145.7
87.5°	12.4	16.9	14.3	13.0	13.0	36.4	74.8	59.2	82.0	54.6	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

(END OF REPORT)