

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: P953771

Luminaire Tested: **GALN-SB7B-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33525 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 256.7
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

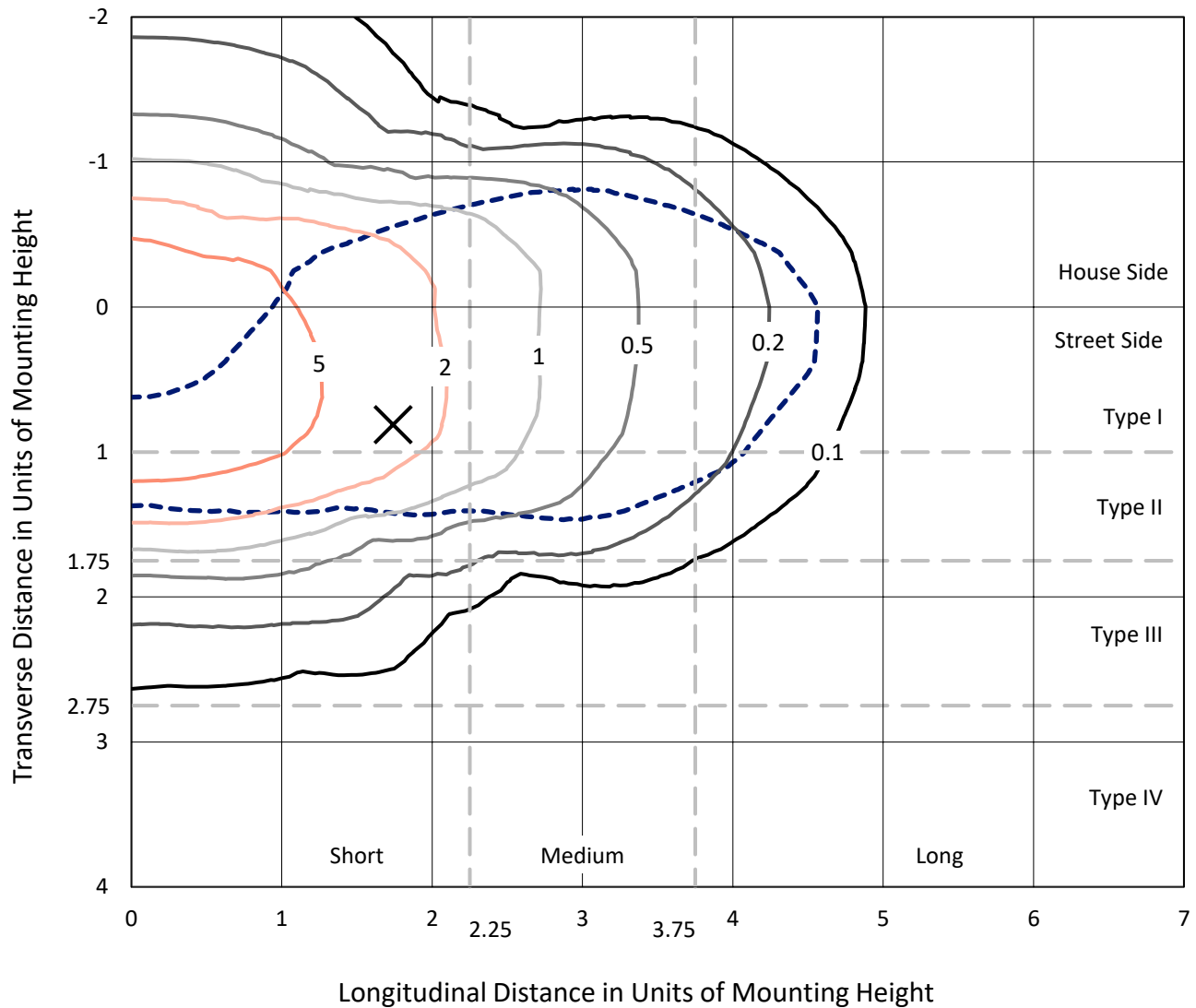


REPORT NUMBER: P953771

CATALOG NUMBER: GALN-SB7B-722-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

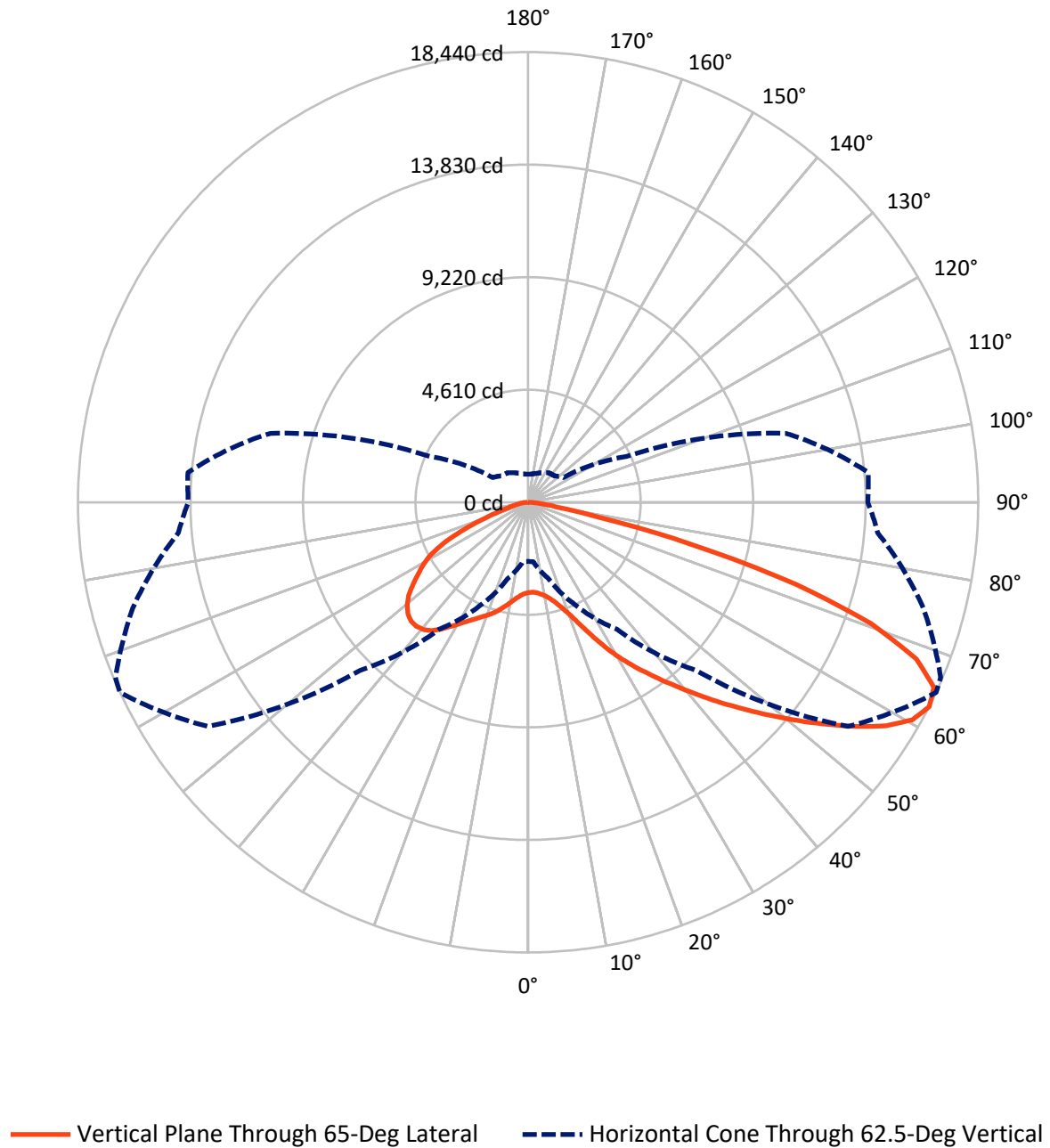


Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

REPORT NUMBER: P953771

CATALOG NUMBER: GALN-SB7B-722-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P953771

CATALOG NUMBER: GALN-SB7B-722-U-T2U

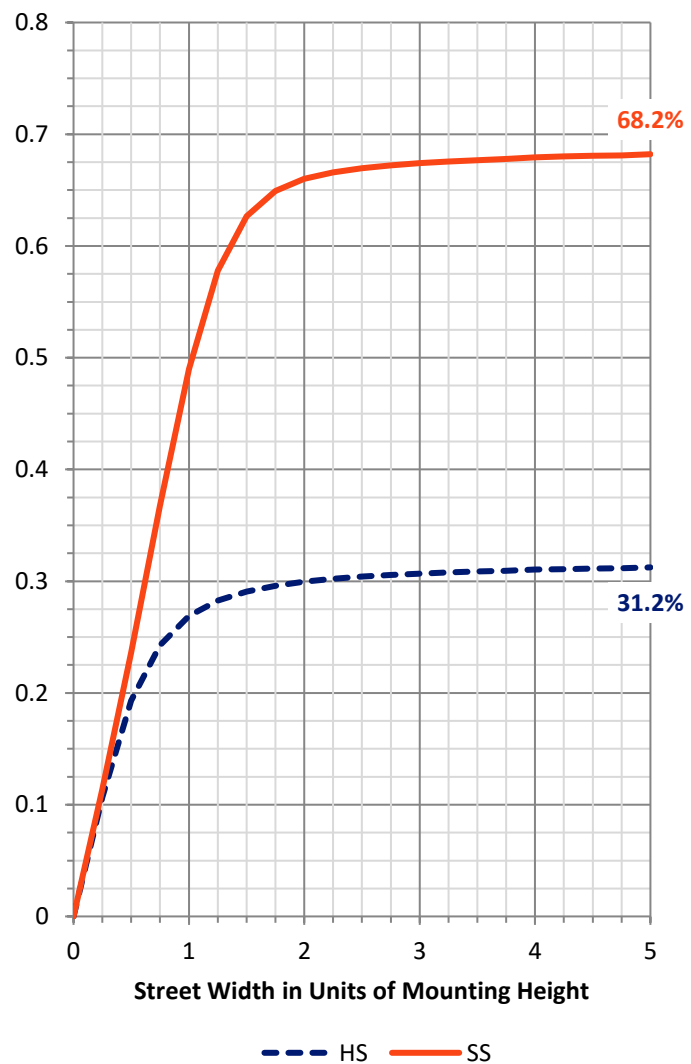
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10579.0	0.0	10579.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	22946.0	0.0	22946.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	33525.0	0.0	33525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.3	1.1
10°-20°	1249.0	3.7
20°-30°	2532.5	7.6
30°-40°	4382.4	13.1
40°-50°	6632.0	19.8
50°-60°	7775.5	23.2
60°-70°	6518.9	19.4
70°-80°	3598.9	10.7
80°-90°	467.5	1.4
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°	33525.0	100.0
0°-180°	33525.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953771

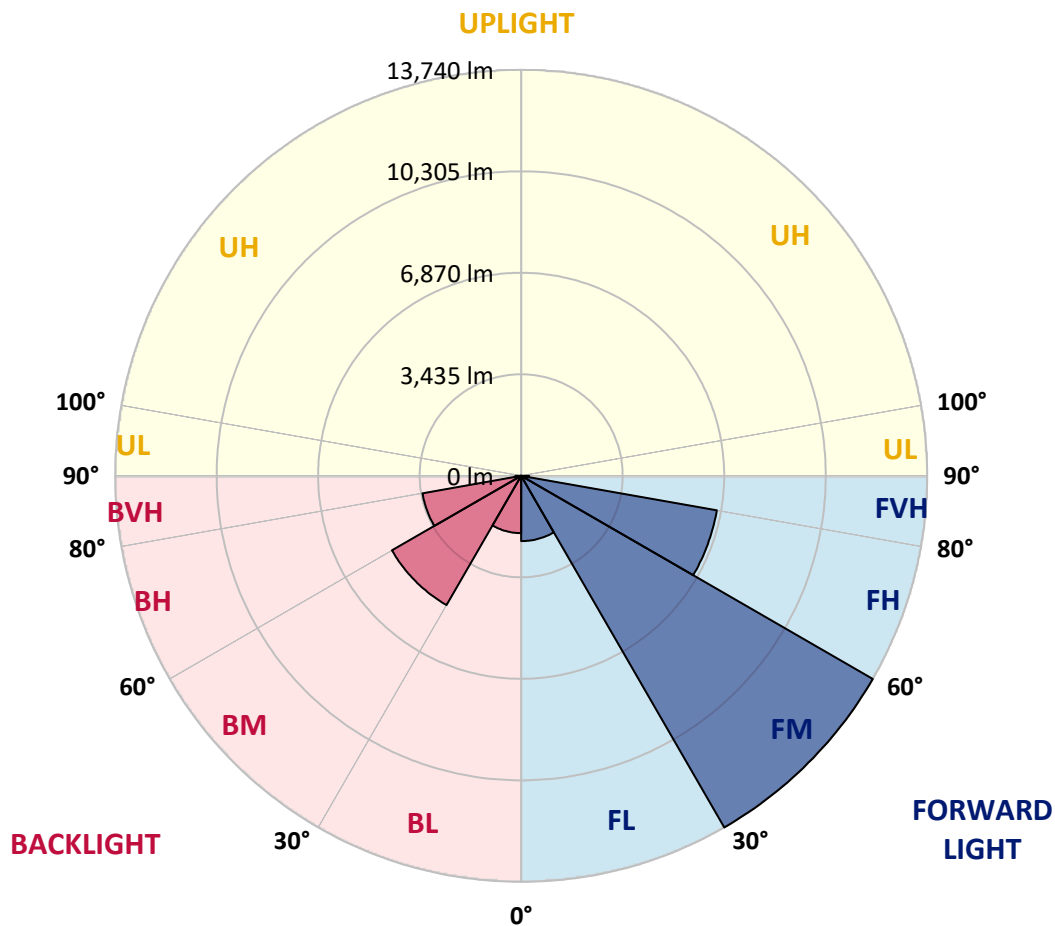
CATALOG NUMBER: GALN-SB7B-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2209.7	6.6			
FM	(30°-60°)	13739.6	41.0			
FH	(60°-80°)	6724.1	20.1			G3/7500
FVH	(80°-90°)	272.5	0.8			G3/500
BL	(0°-30°)	1940.1	5.8	B3/2500		
BM	(30°-60°)	5050.3	15.1	B4/8500		
BH	(60°-80°)	3393.7	10.1	B4/5000		G4/5000
BVH	(80°-90°)	195.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P953771

CATALOG NUMBER: GALN-SB7B-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3
2.5°	3670.0	3659.5	3668.2	3668.2	3671.7	3670.0	3682.1	3685.6	3690.8	3701.3	3701.3
5°	3633.4	3631.7	3647.3	3661.3	3675.2	3687.4	3703.0	3725.6	3729.1	3741.3	3756.9
7.5°	3621.3	3610.8	3635.2	3652.6	3685.6	3715.2	3756.9	3795.2	3810.8	3816.1	3845.6
10°	3715.2	3697.8	3720.4	3730.8	3758.7	3788.2	3836.9	3897.8	3915.2	3936.1	3969.1
12.5°	3875.2	3856.1	3889.1	3904.8	3930.9	3956.9	3990.0	4049.1	4057.8	4096.1	4127.4
15°	4094.4	4071.7	4092.6	4111.7	4155.2	4179.6	4212.6	4270.0	4270.0	4299.6	4322.2
17.5°	4391.8	4362.2	4377.9	4384.8	4412.6	4449.2	4504.8	4555.3	4581.4	4570.9	4539.6
20°	4835.3	4798.8	4798.8	4764.0	4753.6	4783.1	4856.2	4925.7	4953.6	4899.7	4823.1
22.5°	5501.5	5449.3	5419.7	5301.4	5254.5	5258.0	5331.0	5416.2	5438.8	5343.2	5171.0
25°	6348.5	6266.8	6226.8	6052.8	5946.7	5854.5	5911.9	6021.5	6052.8	5934.6	5656.3
27.5°	7195.6	7200.8	7162.5	6953.8	6778.1	6609.4	6579.8	6694.6	6727.7	6593.8	6249.4
30°	8383.5	8260.0	8187.0	7936.5	7686.0	7449.5	7327.7	7374.7	7383.4	7223.4	6823.3
32.5°	9408.0	9376.7	9220.1	9001.0	8679.2	8308.7	8105.2	8030.4	8016.5	7788.7	7313.8
35°	10575.0	10557.7	10392.4	10131.5	9783.7	9268.8	8901.8	8687.9	8670.5	8350.5	7799.1
37.5°	11761.3	11761.3	11599.5	11314.3	10954.2	10310.7	9752.4	9413.2	9357.5	8940.1	8293.1
40°	12707.5	12650.1	12679.6	12559.6	12147.4	11463.8	10696.8	10204.6	10129.8	9628.9	8818.3
42.5°	13244.9	13225.8	13403.2	13537.1	13368.4	12822.2	11736.9	11062.1	10957.7	10387.2	9423.6
45°	13364.9	13344.0	13660.6	14151.1	14387.6	14163.3	12867.5	11964.8	11837.8	11180.3	10072.4
47.5°	13088.4	13046.6	13511.0	14285.0	15043.4	15438.2	14091.9	12944.0	12759.6	11952.6	10738.5
50°	12257.0	12217.0	12919.6	13947.6	15264.2	16304.4	15420.8	13982.4	13700.6	12780.5	11411.7
52.5°	10449.8	10468.9	11569.9	12982.3	14973.8	16843.5	16565.3	15076.4	14737.2	13627.5	12043.0
55°	8140.0	8181.7	9534.9	11089.9	13811.9	16761.8	17346.2	16203.5	15866.1	14424.2	12695.3
57.5°	5828.5	6012.8	7280.8	8820.1	11580.4	15466.0	17516.7	17274.9	16947.9	15293.8	13333.6
60°	3777.8	3810.8	5115.3	6666.8	8818.3	13163.2	17170.5	18087.2	17831.5	16180.9	13867.6
62.5°	2421.1	2443.7	3238.6	4663.1	6346.8	9738.4	16005.2	18440.2	18362.0	16767.0	14380.7
65°	1779.3	1761.9	2175.9	3082.1	4275.2	6005.9	13742.3	18269.8	18424.6	17134.0	14805.1
67.5°	1485.4	1461.0	1664.5	2134.1	3149.9	3410.8	10168.0	17161.8	17728.9	17092.3	15116.4
70°	1353.2	1332.3	1455.8	1584.5	2457.7	2283.7	5125.8	14919.9	15793.0	16617.4	15066.0
72.5°	1146.2	1109.7	1278.4	1407.1	1911.5	1751.5	2118.5	11460.4	12524.8	15095.5	14356.3
75°	888.8	864.4	1008.8	1238.4	1436.7	1367.1	1339.3	6959.0	8120.9	11674.3	12559.6
77.5°	704.4	671.4	803.6	965.3	1292.3	1031.4	975.8	2996.8	4148.3	7453.0	9397.5
80°	530.5	500.9	610.5	763.6	993.2	777.5	631.4	1222.7	1563.6	3776.1	4725.7
82.5°	377.4	351.3	426.1	560.1	667.9	697.5	387.9	685.3	770.5	1455.8	1055.8
85°	241.8	226.1	285.2	351.3	424.4	448.7	236.5	358.3	393.1	600.1	440.0
87.5°	132.2	107.8	153.1	163.5	196.5	179.1	113.1	130.4	140.9	217.4	186.1
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: P953771

CATALOG NUMBER: GALN-SB7B-722-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3	3694.3
2.5°	3708.2	3713.4	3730.8	3736.1	3748.2	3763.9	3774.3	3784.8	3784.8	3795.2	3795.2
5°	3758.7	3770.8	3807.4	3826.5	3857.8	3889.1	3908.2	3930.9	3944.8	3951.7	3955.2
7.5°	3856.1	3875.2	3927.4	3960.4	4014.3	4057.8	4087.4	4118.7	4125.7	4144.8	4137.8
10°	3988.3	4010.9	4070.0	4132.6	4197.0	4250.9	4278.7	4301.3	4310.0	4313.5	4304.8
12.5°	4139.6	4172.6	4249.2	4325.7	4393.5	4440.5	4447.4	4442.2	4417.9	4397.0	4397.0
15°	4325.7	4355.3	4440.5	4524.0	4590.1	4598.8	4555.3	4527.4	4497.9	4492.7	4492.7
17.5°	4548.3	4564.0	4642.2	4724.0	4729.2	4699.6	4635.3	4609.2	4581.4	4562.2	4564.0
20°	4807.5	4802.3	4857.9	4892.7	4856.2	4765.7	4668.3	4624.8	4597.0	4574.4	4576.1
22.5°	5117.1	5077.1	5070.1	5061.4	4964.0	4774.4	4642.2	4586.6	4543.1	4511.8	4522.2
25°	5567.6	5414.5	5308.4	5249.3	5030.1	4727.5	4558.8	4435.3	4353.5	4299.6	4320.5
27.5°	6131.1	5873.7	5605.8	5461.5	5030.1	4631.8	4357.0	4157.0	4023.0	3967.4	3995.2
30°	6668.5	6398.9	6004.1	5717.1	5017.9	4475.3	4031.7	3753.4	3596.9	3541.2	3574.3
32.5°	7127.7	6833.8	6426.8	5997.2	4988.4	4221.3	3628.2	3320.4	3169.0	3102.9	3136.0
35°	7553.9	7240.8	6851.2	6305.0	4910.1	3849.1	3184.7	2949.9	2781.2	2675.1	2709.9
37.5°	7990.4	7618.2	7253.0	6583.3	4769.2	3414.3	2843.8	2643.8	2445.5	2302.9	2341.1
40°	8465.3	8020.0	7682.6	6748.6	4537.9	3000.3	2579.4	2396.8	2186.3	2035.0	2064.6
42.5°	9020.1	8501.8	8160.9	6833.8	4221.3	2706.4	2407.2	2228.1	2029.8	1906.3	1930.6
45°	9599.3	9032.3	8597.4	6832.0	3868.2	2569.0	2351.6	2174.1	1955.0	1826.3	1847.2
47.5°	10206.3	9587.1	8974.9	6720.7	3562.1	2588.1	2320.2	2057.6	1815.8	1690.6	1708.0
50°	10815.1	10194.1	9340.1	6512.0	3431.7	2546.4	2203.7	1894.1	1608.9	1495.8	1502.8
52.5°	11418.6	10839.4	9654.9	6214.6	3299.5	2391.6	2054.1	1681.9	1523.6	1445.4	1445.4
55°	12025.6	11477.8	9997.6	5781.5	2969.0	2210.7	1803.7	1601.9	1455.8	1384.5	1377.5
57.5°	12634.4	12215.2	10322.8	5348.4	2553.3	1988.0	1666.3	1504.5	1388.0	1327.1	1316.7
60°	13267.5	13058.8	10658.5	4950.1	2142.8	1702.8	1565.4	1426.2	1308.0	1240.1	1234.9
62.5°	13919.8	13987.6	10921.2	4437.0	1765.4	1528.9	1474.9	1332.3	1217.5	1153.2	1151.4
65°	14577.2	14883.3	11093.4	3725.6	1431.5	1363.6	1377.5	1229.7	1113.2	1057.5	1055.8
67.5°	15072.9	15528.6	11044.7	2819.4	1174.0	1207.1	1255.8	1121.9	1012.3	968.8	970.5
70°	15128.6	15452.1	10564.6	1930.6	982.7	1054.0	1120.1	1015.8	902.7	871.4	873.1
72.5°	14387.6	14408.5	9227.1	1261.0	831.4	925.3	977.5	907.9	798.3	767.0	765.3
75°	12444.8	11916.1	6774.6	831.4	695.7	794.9	843.6	794.9	688.8	695.7	671.4
77.5°	9428.8	8439.2	4113.5	591.4	580.9	667.9	734.0	699.2	608.8	683.6	601.8
80°	4857.9	4565.7	1835.0	441.8	459.2	534.0	603.5	558.3	481.8	459.2	419.2
82.5°	1113.2	1294.1	723.6	316.6	332.2	384.4	460.9	419.2	346.1	292.2	288.7
85°	389.6	426.1	320.0	198.3	194.8	240.0	313.1	280.0	234.8	187.8	198.3
87.5°	123.5	161.8	120.0	80.0	83.5	107.8	144.4	132.2	109.6	71.3	74.8
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)