

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: P941779

Luminaire Tested: **GALN-SB5C-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30888 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 249.5
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



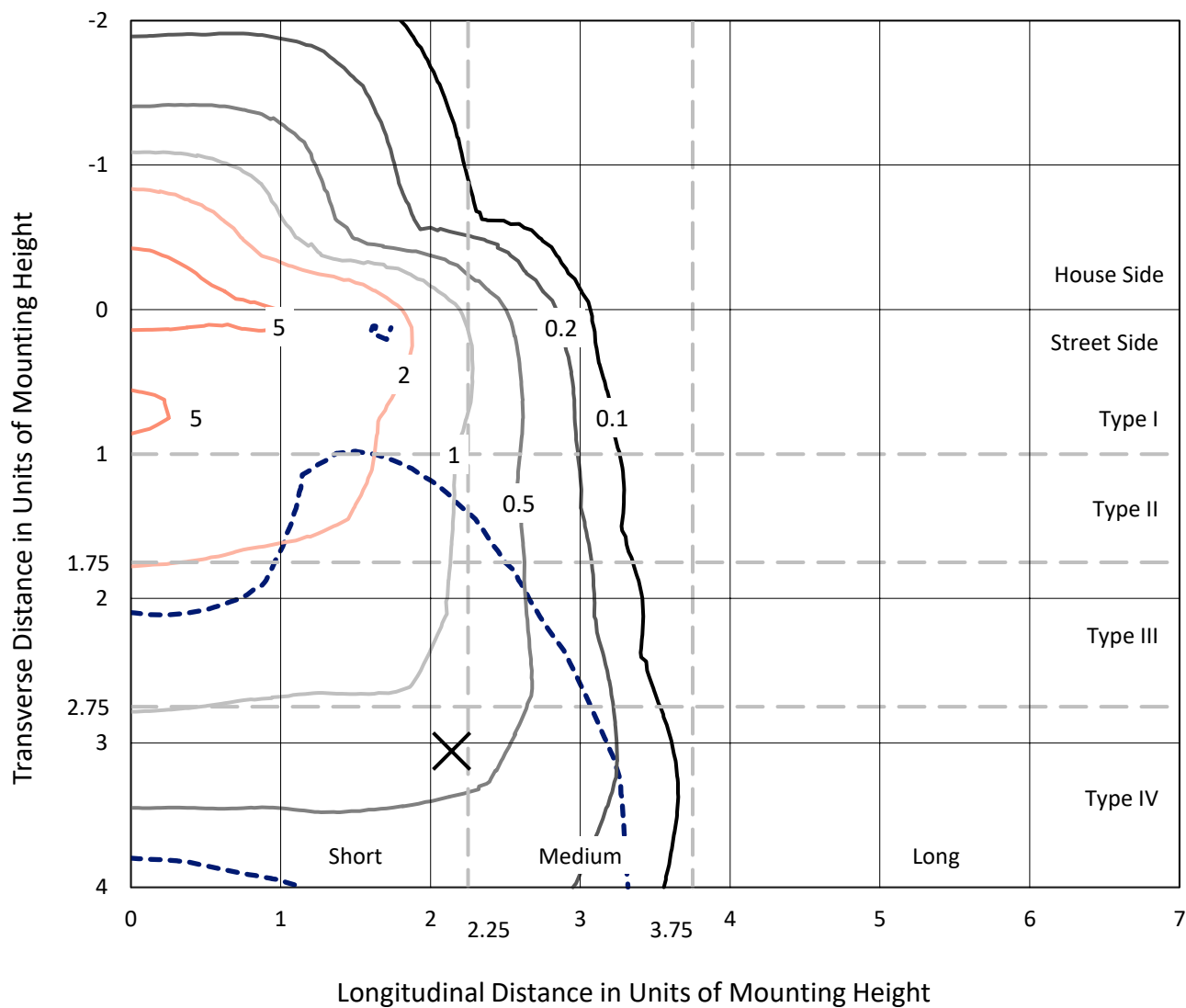
REPORT NUMBER: P941779

CATALOG NUMBER: GALN-SB5C-722-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

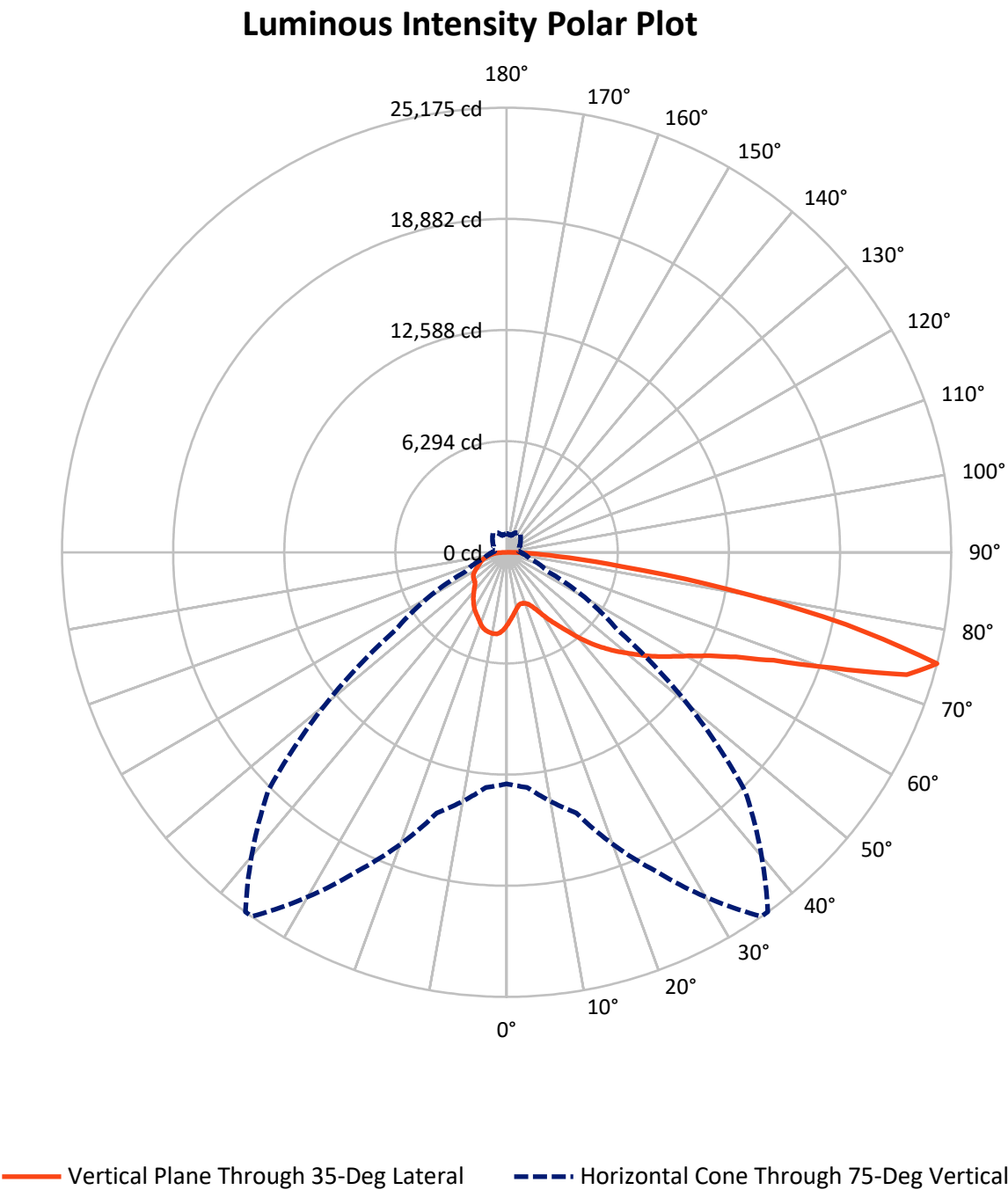
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc

Type IV - Short - N/A

REPORT NUMBER: P941779
CATALOG NUMBER: GALN-SB5C-722-U-T4FT



REPORT NUMBER: P941779

CATALOG NUMBER: GALN-SB5C-722-U-T4FT

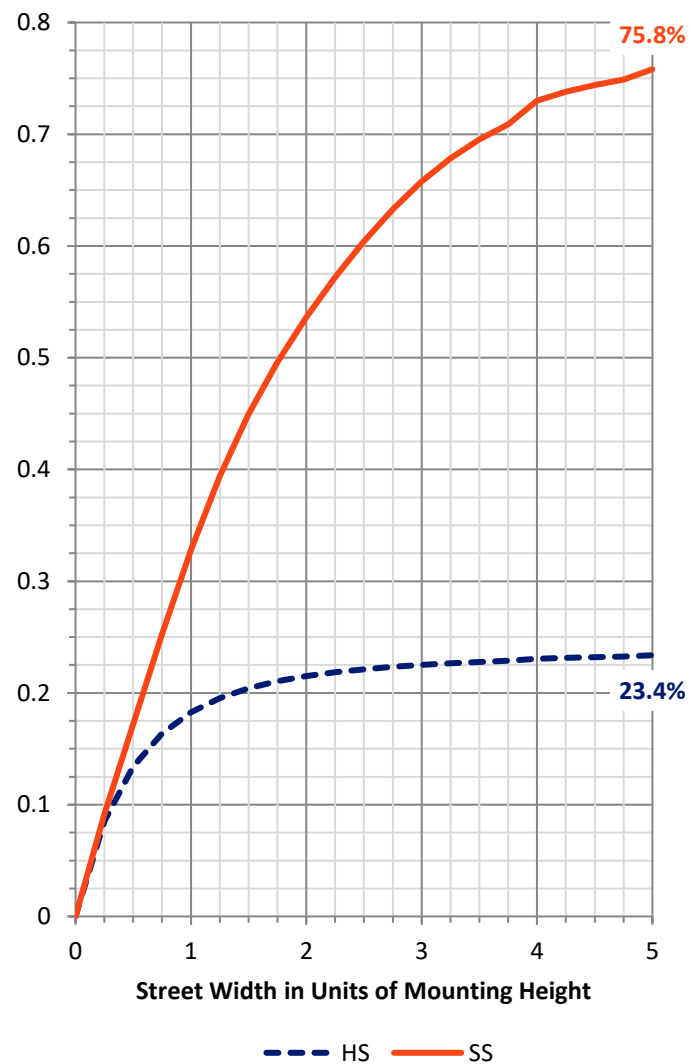
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7350.6	0.0	7350.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	23537.4	0.0	23537.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	30888.0	0.0	30888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.7	1.3
10°-20°	1124.1	3.6
20°-30°	1887.6	6.1
30°-40°	2933.6	9.5
40°-50°	4354.3	14.1
50°-60°	6011.4	19.5
60°-70°	7293.2	23.6
70°-80°	6027.2	19.5
80°-90°	866.9	2.8
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°	30888.0	100.0
0°-180°	30888.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941779

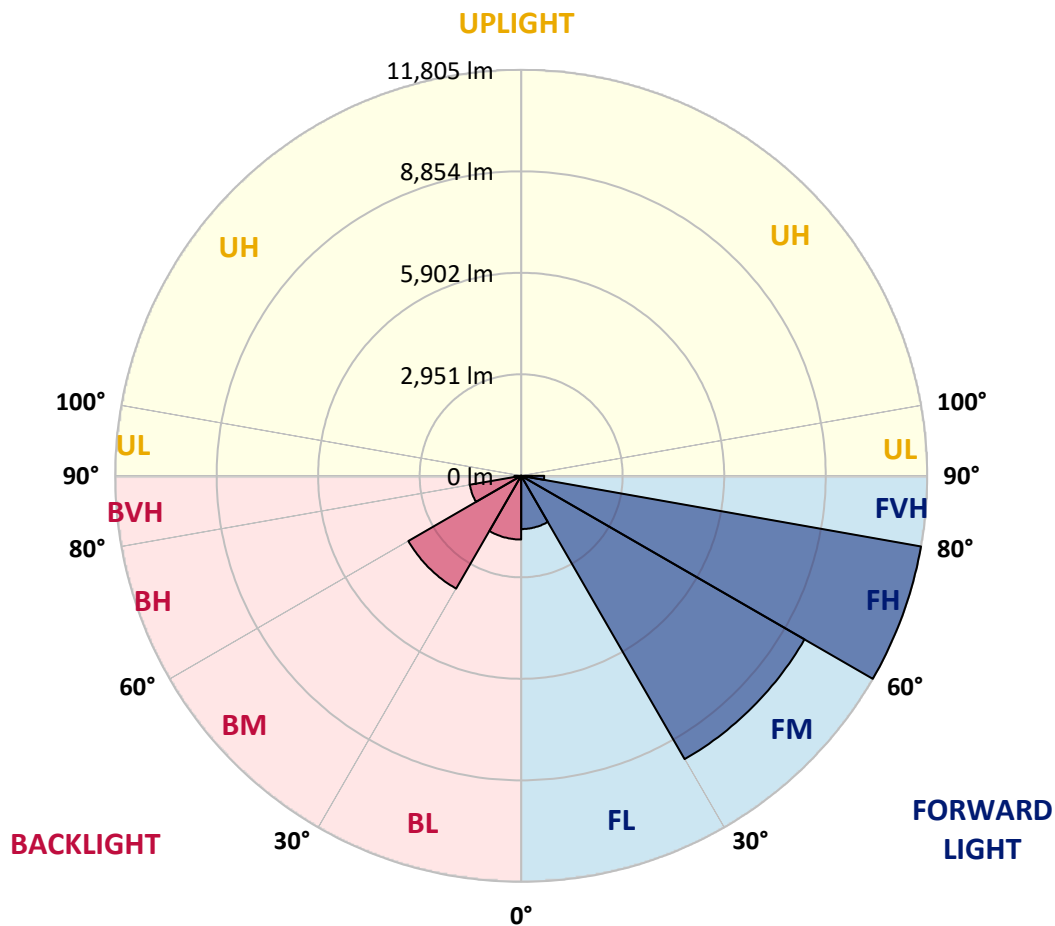
CATALOG NUMBER: GALN-SB5C-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1549.0	5.0			
FM	(30°-60°)	9511.8	30.8			
FH	(60°-80°)	11804.9	38.2			G4/12000
FVH	(80°-90°)	671.7	2.2			G4/750
BL	(0°-30°)	1852.4	6.0	B3/2500		
BM	(30°-60°)	3787.5	12.3	B3/5000		
BH	(60°-80°)	1515.5	4.9	B3/2500		G3/2500
BVH	(80°-90°)	195.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



REPORT NUMBER: P941779

CATALOG NUMBER: GALN-SB5C-722-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	3795.4	3818.8	3828.8	3823.8	3848.9	3845.5	3880.6	3924.0	3984.1	4042.6	4127.7
5°	3503.2	3528.3	3550.0	3570.0	3618.4	3633.5	3688.6	3772.1	3882.3	3994.1	4134.4
7.5°	3231.0	3252.8	3286.1	3322.9	3404.7	3419.7	3511.6	3641.8	3795.4	3959.1	4152.8
10°	3009.0	3030.7	3065.7	3107.5	3209.3	3227.7	3344.6	3518.2	3718.6	3925.7	4172.8
12.5°	2913.8	2920.5	2940.5	2982.2	3070.7	3082.4	3211.0	3409.7	3643.5	3900.6	4202.9
15°	2908.8	2922.1	2923.8	2945.5	3019.0	3024.0	3142.5	3339.6	3596.7	3895.6	4247.9
17.5°	2958.9	2968.9	2953.9	2967.2	3029.0	3037.3	3130.9	3306.2	3581.7	3917.3	4324.8
20°	3092.5	3100.8	3055.7	3037.3	3082.4	3089.1	3181.0	3327.9	3596.7	3962.4	4430.0
22.5°	3376.3	3381.3	3271.1	3196.0	3199.3	3202.7	3282.8	3416.4	3655.2	4044.2	4563.5
25°	3818.8	3815.5	3640.1	3494.9	3411.4	3393.0	3446.4	3560.0	3753.7	4152.8	4735.5
27.5°	4336.4	4311.4	4136.1	3919.0	3737.0	3710.3	3698.6	3747.0	3894.0	4296.4	4945.9
30°	4920.9	4897.5	4708.8	4424.9	4172.8	4129.4	4019.2	3994.1	4102.7	4491.7	5238.1
32.5°	5562.1	5547.0	5321.6	4977.6	4640.3	4590.3	4404.9	4338.1	4423.3	4787.3	5645.6
35°	6099.7	6086.4	5899.4	5545.4	5132.9	5071.2	4882.5	4807.3	4850.7	5166.3	6178.2
37.5°	6585.7	6579.0	6418.7	6139.8	5714.0	5638.9	5426.8	5401.8	5393.4	5665.6	6824.4
40°	7036.5	7019.8	6852.8	6705.9	6390.3	6321.8	6134.8	6113.1	6049.7	6280.1	7555.8
42.5°	7535.8	7492.4	7250.2	7181.8	7096.6	7039.8	6928.0	6931.3	6791.0	6973.0	8330.6
45°	7943.2	7918.1	7669.4	7629.3	7721.1	7697.7	7794.6	7819.6	7547.5	7699.4	9135.4
47.5°	8380.7	8357.3	8146.9	8118.5	8367.3	8374.0	8716.3	8724.7	8285.5	8454.2	9941.9
50°	8920.0	8886.6	8677.9	8713.0	8991.8	9016.9	9643.0	9586.3	8965.1	9220.6	10741.8
52.5°	9275.7	9295.7	9250.6	9307.4	9688.1	9711.5	10554.7	10409.5	9638.0	9977.0	11526.6
55°	9537.8	9577.9	9718.2	9848.4	10422.8	10446.2	11414.7	11192.6	10195.7	10678.3	12264.6
57.5°	9875.1	9818.4	10080.5	10334.3	11120.8	11182.6	12251.3	11947.4	10690.0	11282.8	12770.6
60°	10359.4	10319.3	10523.0	10898.7	11902.3	12000.8	13136.2	12627.0	11052.3	11762.0	12869.1
62.5°	11341.2	11241.0	11272.8	11605.0	12887.4	13017.7	14134.8	13219.7	11232.7	11949.0	12341.4
65°	12809.0	12637.0	12476.7	12707.1	14275.0	14403.6	15261.9	13685.6	11165.9	11586.7	10940.5
67.5°	14657.4	14487.1	14290.1	14507.1	16318.9	16420.7	16652.8	13947.8	10639.9	10190.7	8464.2
70°	16181.9	16118.5	16353.9	17247.3	19583.3	19586.6	18436.2	13730.7	9198.9	7225.2	4897.5
72.5°	15979.9	15941.5	17182.1	19944.0	23697.7	23609.2	20124.3	12087.6	6196.6	3259.4	1835.1
75°	13109.5	13358.3	15280.3	19895.6	25175.4	25163.8	19090.7	7684.4	2563.1	1350.9	948.4
77.5°	7029.8	7423.9	9920.2	14689.2	19653.4	19949.0	13421.8	2688.4	1100.4	865.0	656.2
80°	2292.6	2636.6	3954.1	7479.0	12770.6	12715.5	5752.4	1055.3	753.1	612.8	454.2
82.5°	973.5	1013.6	1766.6	3531.6	6553.9	6452.1	1831.8	606.1	529.3	419.1	280.5
85°	380.7	425.8	779.8	1633.1	2838.6	2776.9	661.2	300.6	339.0	273.8	167.0
87.5°	125.2	152.0	278.9	559.4	883.3	851.6	162.0	103.5	146.9	125.2	60.1
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: P941779

CATALOG NUMBER: GALN-SB5C-722-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	4151.1	4177.8	4209.5	4256.3	4296.4	4329.8	4364.8	4386.5	4394.9	4419.9	4418.3
5°	4181.2	4239.6	4318.1	4394.9	4470.0	4515.1	4555.2	4575.2	4593.6	4607.0	4610.3
7.5°	4231.3	4306.4	4430.0	4530.1	4593.6	4630.3	4657.0	4650.4	4657.0	4660.4	4665.4
10°	4274.7	4379.9	4526.8	4622.0	4670.4	4672.1	4665.4	4642.0	4630.3	4632.0	4635.3
12.5°	4326.4	4443.3	4601.9	4682.1	4695.5	4658.7	4630.3	4590.3	4575.2	4568.5	4565.2
15°	4396.6	4530.1	4683.8	4713.8	4680.4	4633.7	4585.2	4520.1	4486.7	4460.0	4468.4
17.5°	4481.7	4628.7	4747.2	4725.5	4653.7	4576.9	4498.4	4399.9	4331.4	4303.1	4304.7
20°	4600.3	4732.2	4795.6	4700.5	4591.9	4475.0	4341.5	4221.2	4157.8	4129.4	4126.1
22.5°	4743.9	4870.8	4842.4	4657.0	4503.4	4316.4	4149.4	4060.9	4029.2	4009.2	4012.5
25°	4915.9	5024.4	4875.8	4593.6	4358.2	4106.0	3977.4	3949.1	3934.0	3919.0	3919.0
27.5°	5139.6	5198.1	4900.8	4500.1	4131.1	3882.3	3835.5	3840.5	3835.5	3810.5	3815.5
30°	5435.2	5423.5	4924.2	4348.1	3870.6	3680.2	3683.6	3705.3	3708.6	3691.9	3700.3
32.5°	5824.2	5705.7	4935.9	4151.1	3621.8	3503.2	3506.6	3529.9	3546.6	3518.2	3531.6
35°	6295.1	6034.6	4917.5	3904.0	3429.8	3334.6	3309.5	3316.2	3321.2	3294.5	3312.9
37.5°	6844.5	6403.6	4835.7	3630.1	3271.1	3169.3	3115.8	3070.7	3044.0	3019.0	3035.7
40°	7447.3	6806.1	4685.4	3363.0	3094.1	2993.9	2913.8	2828.6	2738.5	2705.1	2720.1
42.5°	8078.4	7220.2	4503.4	3107.5	2890.4	2808.6	2723.4	2599.9	2464.6	2396.2	2404.5
45°	8733.0	7644.3	4324.8	2855.3	2681.7	2646.6	2548.1	2399.5	2252.5	2165.7	2159.0
47.5°	9374.2	8045.1	4062.6	2601.5	2486.3	2524.7	2447.9	2311.0	2147.4	2010.4	1995.4
50°	9987.0	8420.8	3633.5	2344.4	2327.7	2488.0	2414.5	2217.5	2030.5	1855.1	1840.1
52.5°	10594.8	8724.7	3084.1	2110.6	2242.5	2478.0	2371.1	2154.0	1925.3	1741.6	1721.6
55°	11110.8	8881.6	2554.8	1910.2	2119.0	2392.8	2319.3	2078.9	1776.7	1581.3	1564.6
57.5°	11404.7	8754.7	2114.0	1713.2	1948.6	2252.5	2230.8	1918.6	1599.7	1449.4	1429.3
60°	11277.8	8240.4	1753.3	1541.2	1786.7	2100.6	2077.2	1760.0	1464.4	1322.5	1302.4
62.5°	10578.1	7260.3	1467.7	1390.9	1639.7	1945.3	1923.6	1638.1	1360.9	1224.0	1202.2
65°	9168.8	5906.1	1245.7	1265.7	1491.1	1758.3	1790.0	1536.2	1279.1	1145.5	1123.8
67.5°	6993.1	4278.0	1072.0	1157.2	1345.9	1574.6	1666.5	1462.7	1210.6	1083.7	1063.7
70°	3985.8	2429.5	925.1	1052.0	1217.3	1404.3	1571.3	1404.3	1137.1	1031.9	1018.6
72.5°	1511.2	1115.4	799.8	946.8	1093.7	1260.7	1466.1	1312.5	1052.0	973.5	960.1
75°	806.5	679.6	672.9	823.2	951.8	1120.4	1334.2	1222.3	988.5	1028.6	1062.0
77.5°	549.4	480.9	562.7	704.7	796.5	965.1	1193.9	1085.4	856.6	853.3	786.5
80°	380.7	340.6	457.5	567.7	616.2	811.5	1041.9	931.7	698.0	651.2	622.8
82.5°	228.8	222.1	342.3	424.1	435.8	626.2	863.3	781.5	571.1	497.6	500.9
85°	125.2	131.9	218.7	248.8	253.8	437.5	676.3	604.5	439.2	369.0	372.4
87.5°	35.1	45.1	80.1	98.5	121.9	227.1	402.4	359.0	220.4	153.6	153.6
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)