

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: P953772

Luminaire Tested: **GALN-SB7B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27542 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - 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



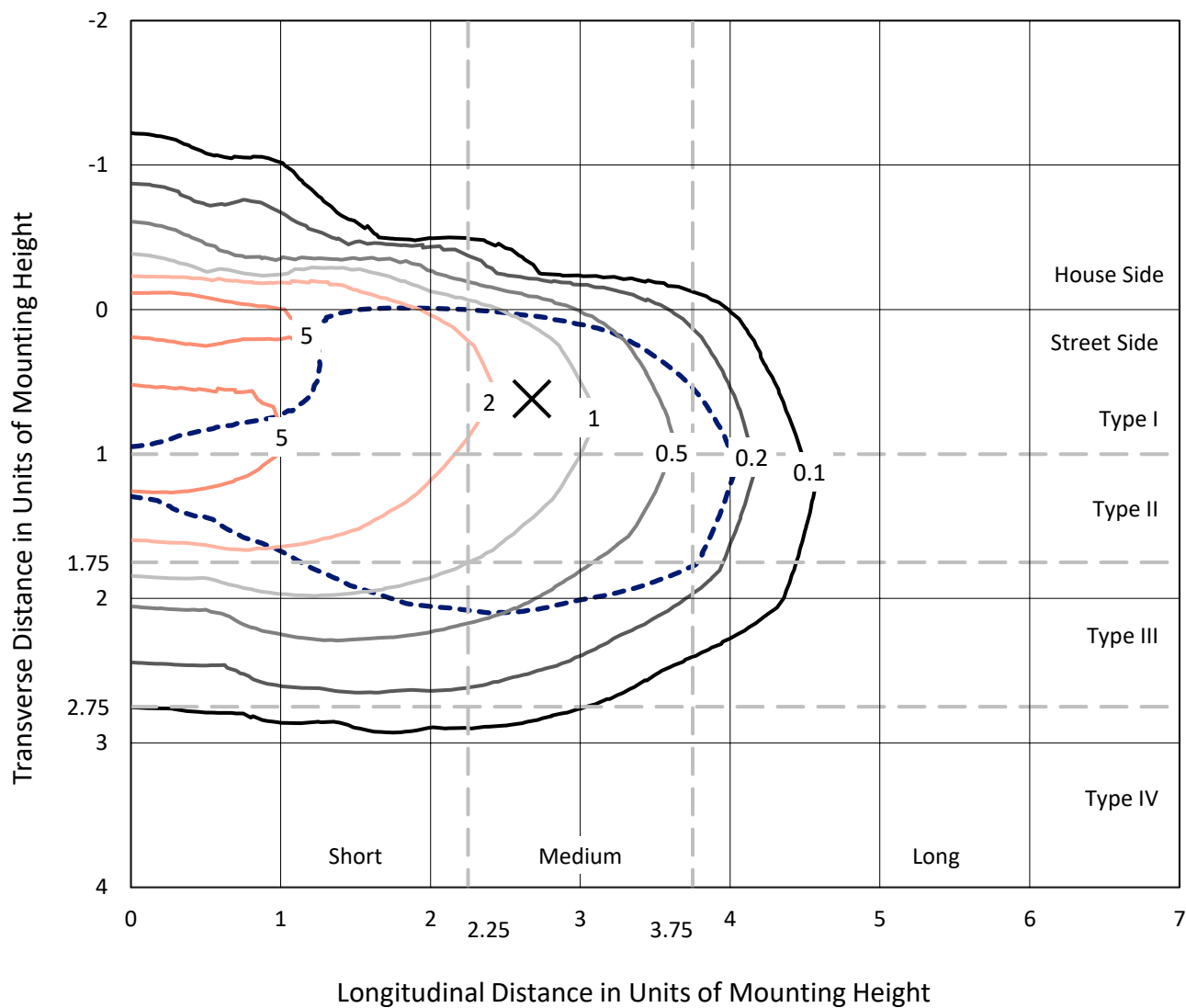
REPORT NUMBER: P953772

CATALOG NUMBER: GALN-SB7B-722-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

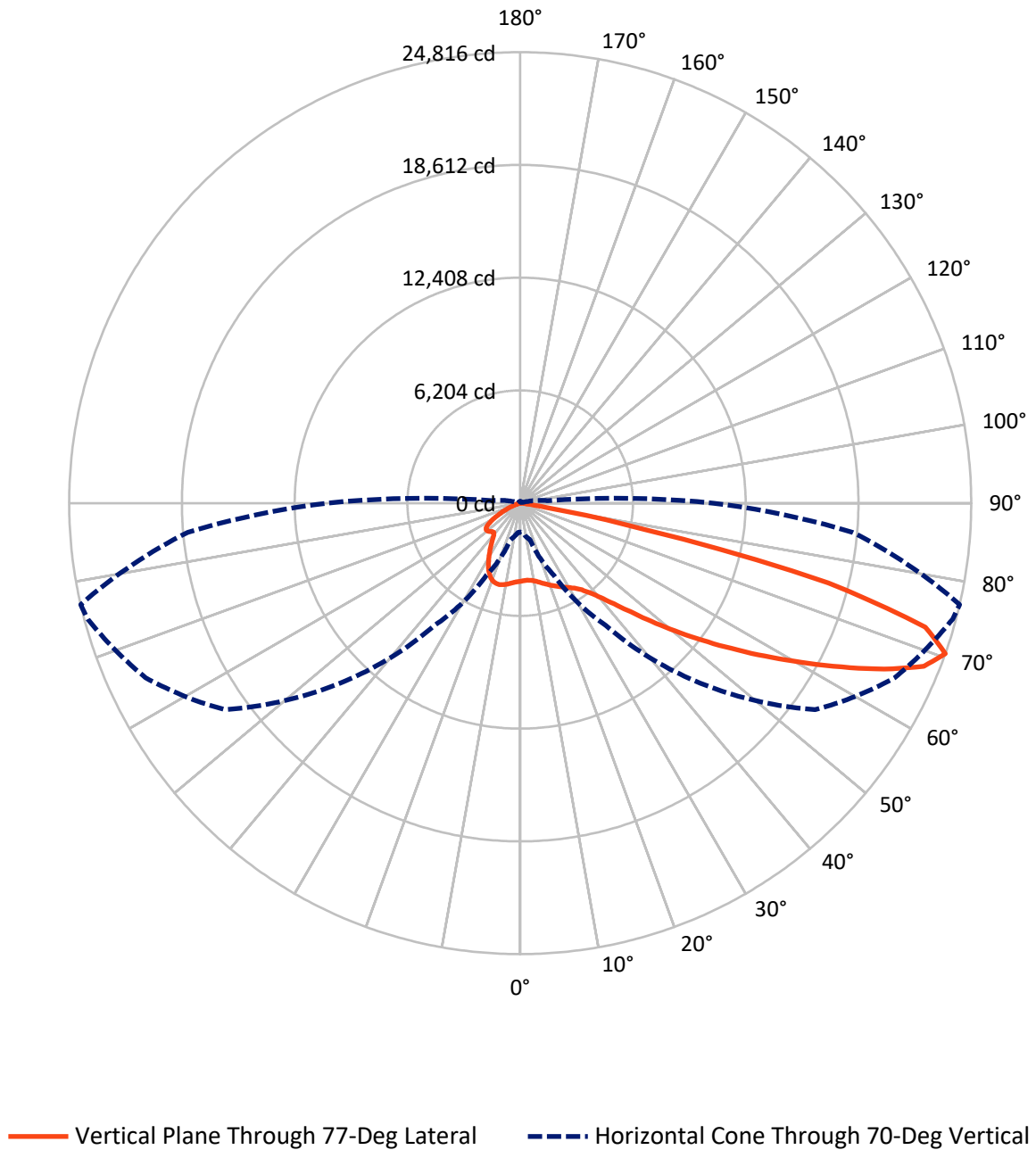
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P953772
CATALOG NUMBER: GALN-SB7B-722-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953772

CATALOG NUMBER: GALN-SB7B-722-U-T3R-HSS

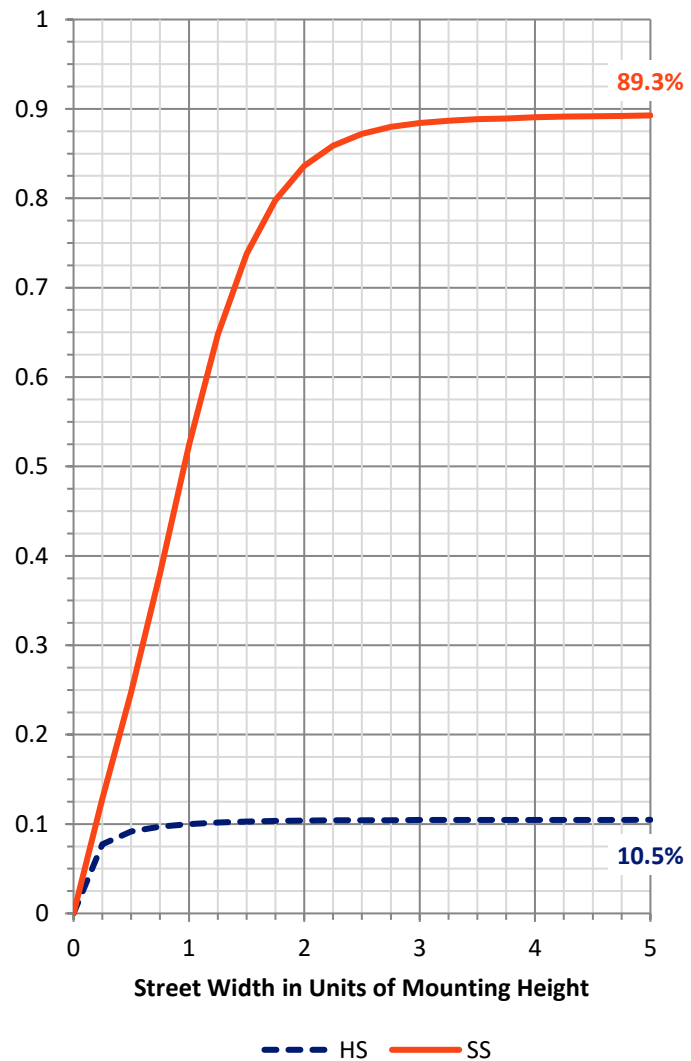
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2903.3	0.0	2903.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	24638.7	0.0	24638.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	27542.0	0.0	27542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.3	1.3
10°-20°	878.9	3.2
20°-30°	1359.5	4.9
30°-40°	2466.8	9.0
40°-50°	4656.4	16.9
50°-60°	6728.2	24.4
60°-70°	7161.9	26.0
70°-80°	3795.3	13.8
80°-90°	124.6	0.5
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°	27542.0	100.0
0°-180°	27542.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953772

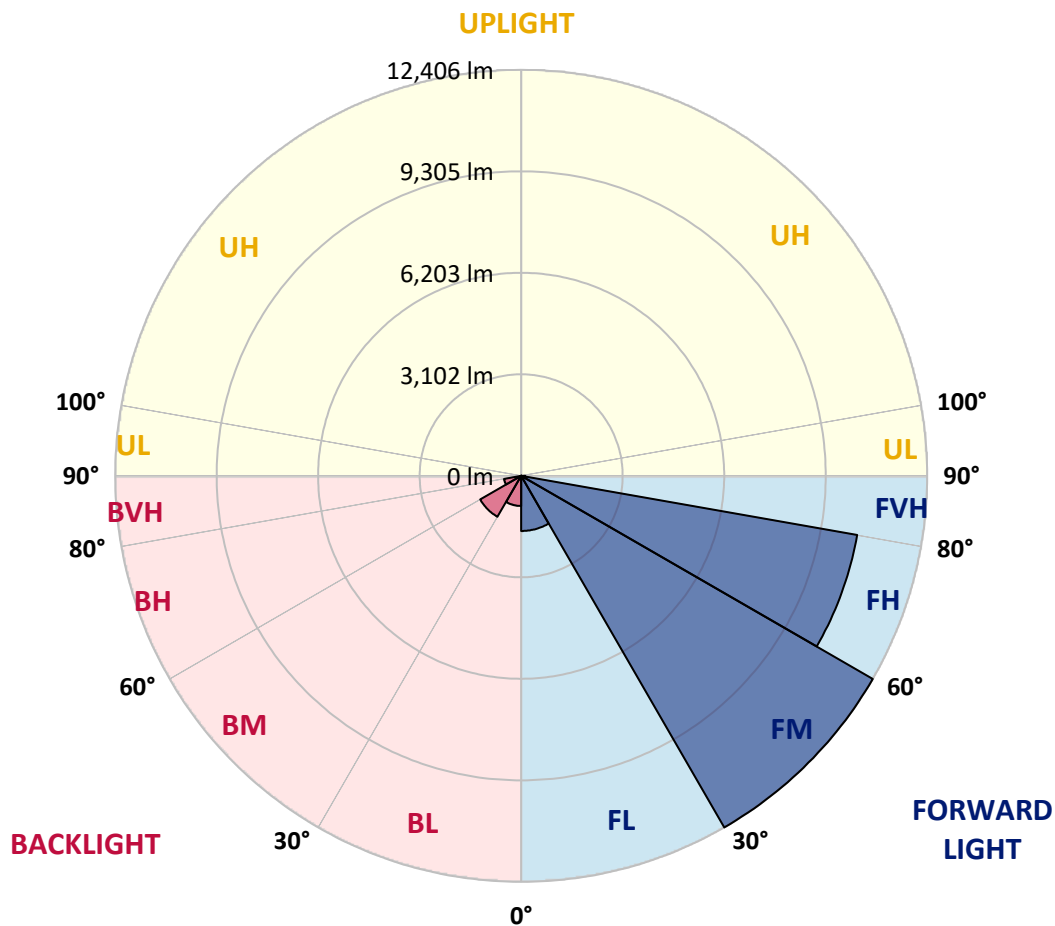
CATALOG NUMBER: GALN-SB7B-722-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1686.2	6.1			
FM	(30°-60°)	12406.2	45.0			
FH	(60°-80°)	10425.0	37.9			G4/12000
FVH	(80°-90°)	121.3	0.4			G2/225
BL	(0°-30°)	922.4	3.3	B2/1000		
BM	(30°-60°)	1445.3	5.2	B2/2500		
BH	(60°-80°)	532.3	1.9	B2/1000		G2/1000
BVH	(80°-90°)	3.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium



REPORT NUMBER: P953772

CATALOG NUMBER: GALN-SB7B-722-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1
2.5°	4033.4	4069.9	4064.7	4089.1	4097.8	4132.6	4167.3	4214.3	4266.5	4264.7	4299.5
5°	3805.6	3842.1	3850.8	3883.8	3925.6	3979.5	4050.8	4144.7	4242.1	4257.8	4327.4
7.5°	3536.0	3574.2	3596.9	3663.0	3739.5	3850.8	3967.3	4104.7	4266.5	4289.1	4423.0
10°	3266.4	3301.2	3330.7	3424.7	3546.4	3711.7	3901.2	4099.5	4316.9	4350.0	4539.6
12.5°	3099.4	3132.5	3165.5	3247.3	3398.6	3600.3	3857.8	4123.9	4400.4	4447.4	4697.8
15°	3040.3	3069.9	3095.9	3169.0	3309.9	3539.5	3849.1	4174.3	4506.5	4569.1	4889.2
17.5°	3049.0	3064.6	3082.0	3137.7	3275.1	3511.6	3864.7	4261.3	4631.7	4687.4	5080.5
20°	3099.4	3108.1	3109.9	3148.1	3269.9	3508.2	3896.0	4344.8	4750.0	4824.8	5270.1
22.5°	3163.8	3167.3	3163.8	3189.9	3302.9	3534.2	3937.8	4445.6	4882.2	4951.8	5461.4
25°	3464.7	3398.6	3315.1	3264.7	3358.6	3584.7	4000.4	4581.3	5026.6	5094.4	5647.5
27.5°	4398.7	4209.1	3909.9	3574.2	3473.4	3657.7	4087.3	4718.7	5172.7	5233.5	5847.5
30°	5915.3	5666.6	5158.7	4402.2	3842.1	3810.8	4200.4	4856.1	5327.5	5393.5	6061.4
32.5°	7435.5	7374.6	6788.5	5741.4	4671.7	4151.7	4388.2	5042.2	5532.7	5584.9	6350.2
35°	8973.0	8849.5	8369.5	7334.6	5950.1	4845.7	4701.3	5285.7	5802.3	5861.4	6771.1
37.5°	10150.5	10075.7	9778.3	8926.1	7466.8	5917.1	5237.0	5663.1	6193.6	6259.7	7310.2
40°	11190.6	11155.8	11054.9	10493.2	9162.6	7318.9	6070.1	6247.5	6736.3	6814.6	7971.2
42.5°	12008.1	12089.8	12147.2	11990.7	10910.6	8919.1	7190.2	7068.5	7492.9	7572.9	8813.0
45°	12844.7	12872.5	13103.8	13329.9	12646.4	10592.3	8453.0	8030.3	8433.8	8533.0	9821.8
47.5°	13382.1	13493.4	13900.4	14298.7	14105.7	12251.6	9809.6	9166.1	9524.4	9710.5	10952.3
50°	13422.1	13632.6	14192.6	14886.6	15168.4	13830.9	11284.5	10460.1	10841.0	11046.3	12159.4
52.5°	12756.0	13083.0	13950.9	14966.6	15742.3	15168.4	12809.9	11754.1	12242.9	12510.7	13411.7
55°	9780.0	10207.9	13041.2	14531.8	15765.0	16182.4	14295.3	13102.1	13804.8	14107.4	14764.9
57.5°	8520.8	8736.5	10253.1	13776.9	15345.8	16591.1	15638.0	14385.7	15504.1	15879.7	16043.2
60°	7089.4	7372.9	8599.1	12542.0	14777.0	16631.1	16824.2	16041.5	17346.0	17768.6	17215.5
62.5°	4817.8	5125.7	6344.9	10420.1	13999.6	16612.0	17796.4	17746.0	19393.1	19847.1	18208.7
65°	2984.6	3177.7	3981.2	8508.6	12912.5	16632.9	18813.9	19815.8	21553.3	22014.2	18977.4
67.5°	2358.5	2447.2	2866.4	6532.8	11039.3	16163.3	19829.7	21762.0	23586.6	23951.8	19212.2
70°	1584.5	1638.4	2085.4	4379.5	8212.9	13996.1	19810.6	22739.5	24633.6	24816.2	18356.5
72.5°	834.9	876.6	1219.2	2028.0	4960.5	9948.8	16699.0	21570.7	23591.8	23317.0	15690.2
75°	417.4	487.0	820.9	1029.7	2118.5	5548.3	10369.7	17006.8	18568.7	17504.2	10067.0
77.5°	316.6	382.6	678.3	678.3	737.5	1868.0	4391.7	9275.7	8555.6	7124.1	2955.1
80°	201.8	260.9	593.1	513.1	307.9	474.8	1144.5	2598.5	1817.6	1382.7	537.4
82.5°	118.3	170.5	494.0	339.2	172.2	175.7	323.5	553.1	471.3	367.0	165.2
85°	47.0	111.3	339.2	133.9	67.8	43.5	97.4	118.3	97.4	73.1	41.7
87.5°	0.0	26.1	59.1	0.0	5.2	3.5	7.0	8.7	8.7	7.0	13.9
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: P953772

CATALOG NUMBER: GALN-SB7B-722-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1	4296.1
2.5°	4315.2	4318.7	4329.1	4330.8	4306.5	4275.2	4263.0	4257.8	4236.9	4235.2	4238.7
5°	4367.4	4383.0	4367.4	4322.1	4214.3	4063.0	3948.2	3854.3	3769.0	3743.0	3727.3
7.5°	4471.7	4487.4	4440.4	4263.0	3991.7	3690.8	3419.5	3228.1	3055.9	2991.6	2965.5
10°	4621.3	4642.2	4494.3	4136.0	3656.0	3172.5	2713.3	2389.8	2137.6	2035.0	1991.5
12.5°	4809.1	4817.8	4523.9	3943.0	3219.4	2528.9	1878.4	1532.3	1307.9	1224.5	1198.4
15°	5016.1	5003.9	4527.4	3680.3	2624.6	1788.0	1226.2	1007.1	916.6	888.8	888.8
17.5°	5233.5	5183.1	4457.8	3301.2	1972.4	1222.7	909.7	857.5	841.8	834.9	833.1
20°	5447.5	5334.4	4330.8	2805.5	1415.8	913.1	826.2	810.5	801.8	798.3	794.9
22.5°	5642.3	5449.2	4113.4	2229.8	1027.9	807.0	780.9	767.0	751.4	744.4	742.7
25°	5831.9	5515.3	3807.3	1692.3	822.7	754.9	734.0	707.9	687.0	678.3	674.8
27.5°	6016.2	5557.0	3424.7	1252.3	734.0	706.2	667.9	631.4	615.7	612.2	608.8
30°	6212.8	5571.0	2989.8	934.0	680.1	645.3	589.6	547.9	539.2	540.9	540.9
32.5°	6452.8	5591.8	2551.5	765.3	634.8	572.2	506.1	462.7	455.7	462.7	460.9
35°	6739.8	5633.6	2128.9	704.4	594.8	497.4	426.1	389.6	382.6	387.9	386.1
37.5°	7129.4	5701.4	1734.1	692.2	561.8	434.8	358.3	328.7	328.7	330.5	328.7
40°	7647.7	5882.3	1381.0	683.5	544.4	387.9	302.6	290.5	295.7	299.2	299.2
42.5°	8279.0	6266.7	1142.7	673.1	525.3	367.0	274.8	269.6	278.3	281.8	281.8
45°	8986.9	6753.7	1059.2	655.7	507.9	380.9	262.6	255.7	266.1	267.9	269.6
47.5°	9719.2	7230.2	1048.8	636.6	490.5	401.8	259.2	243.5	255.7	257.4	259.2
50°	10460.1	7541.6	1059.2	607.0	462.7	401.8	260.9	231.3	241.8	247.0	248.7
52.5°	11206.3	7684.2	1052.3	542.7	414.0	377.4	260.9	220.9	231.3	234.8	234.8
55°	11929.8	7656.4	946.2	447.0	351.3	333.9	253.9	212.2	219.2	220.9	220.9
57.5°	12502.0	7268.5	749.6	347.9	285.2	278.3	231.3	201.8	207.0	205.2	205.2
60°	12801.2	6416.3	535.7	267.9	224.4	219.2	203.5	187.8	191.3	182.6	180.9
62.5°	12804.7	5289.2	358.3	212.2	179.1	173.9	173.9	168.7	165.2	147.8	142.6
65°	12531.6	4038.6	238.3	168.7	144.4	135.7	146.1	144.4	132.2	107.8	104.4
67.5°	11912.4	2647.2	180.9	132.2	111.3	106.1	116.5	121.8	113.1	90.4	88.7
70°	10639.3	1541.0	149.6	102.6	83.5	78.3	93.9	104.4	93.9	73.1	69.6
72.5°	8837.3	831.4	121.8	76.5	57.4	52.2	74.8	85.2	74.8	53.9	52.2
75°	5734.5	445.3	93.9	50.4	29.6	33.0	55.7	62.6	52.2	34.8	31.3
77.5°	1925.4	196.5	59.1	24.4	13.9	13.9	33.0	38.3	24.4	12.2	10.4
80°	429.6	81.7	24.4	10.4	5.2	5.2	7.0	7.0	3.5	0.0	0.0
82.5°	140.9	33.0	10.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	53.9	12.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.9	1.7	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)