

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: P955557

Luminaire Tested: **GALN-SB8C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955557
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-SB8C-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA 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: 41649 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 399.8
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



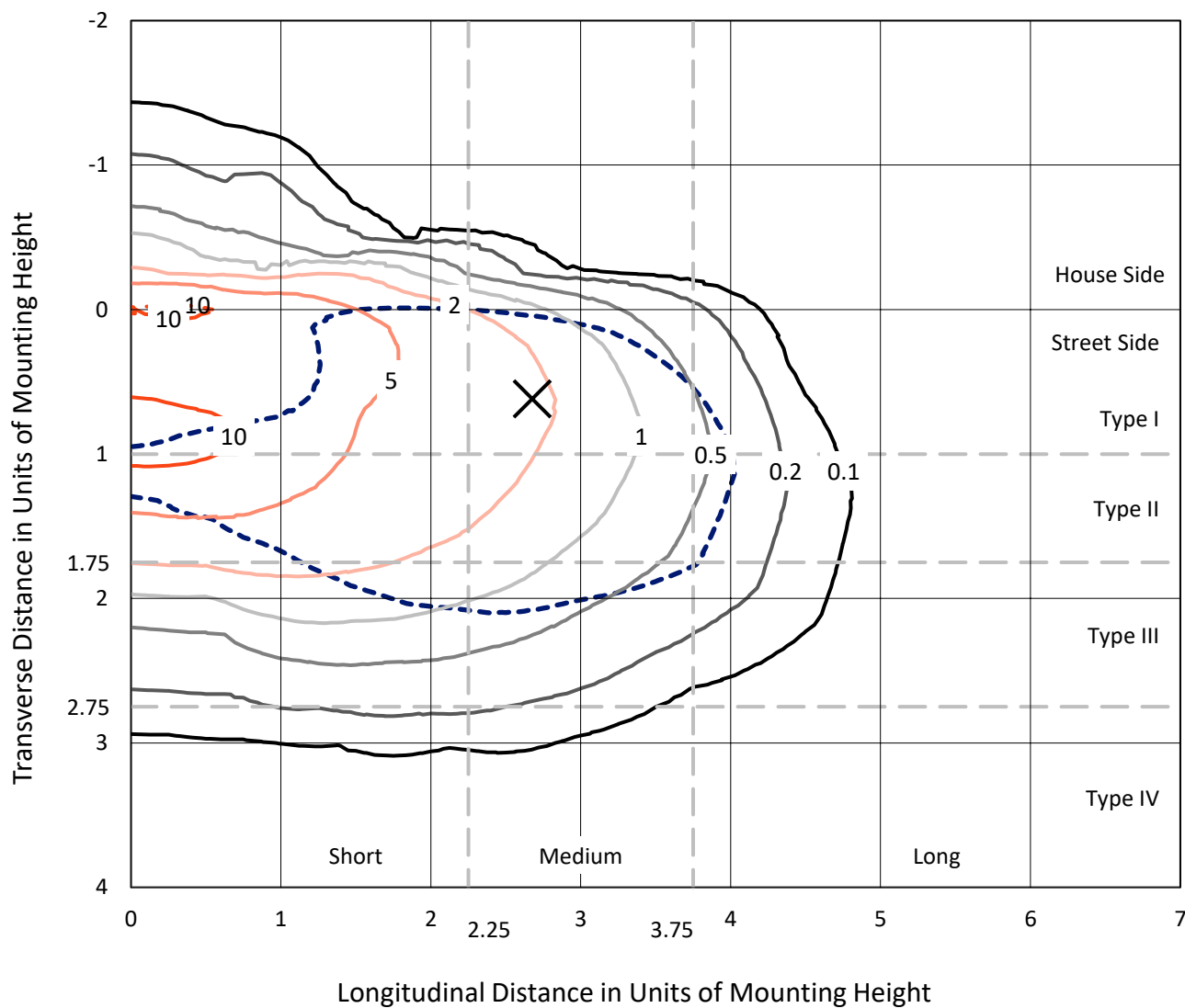
REPORT NUMBER: P955557

CATALOG NUMBER: GALN-SB8C-722-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

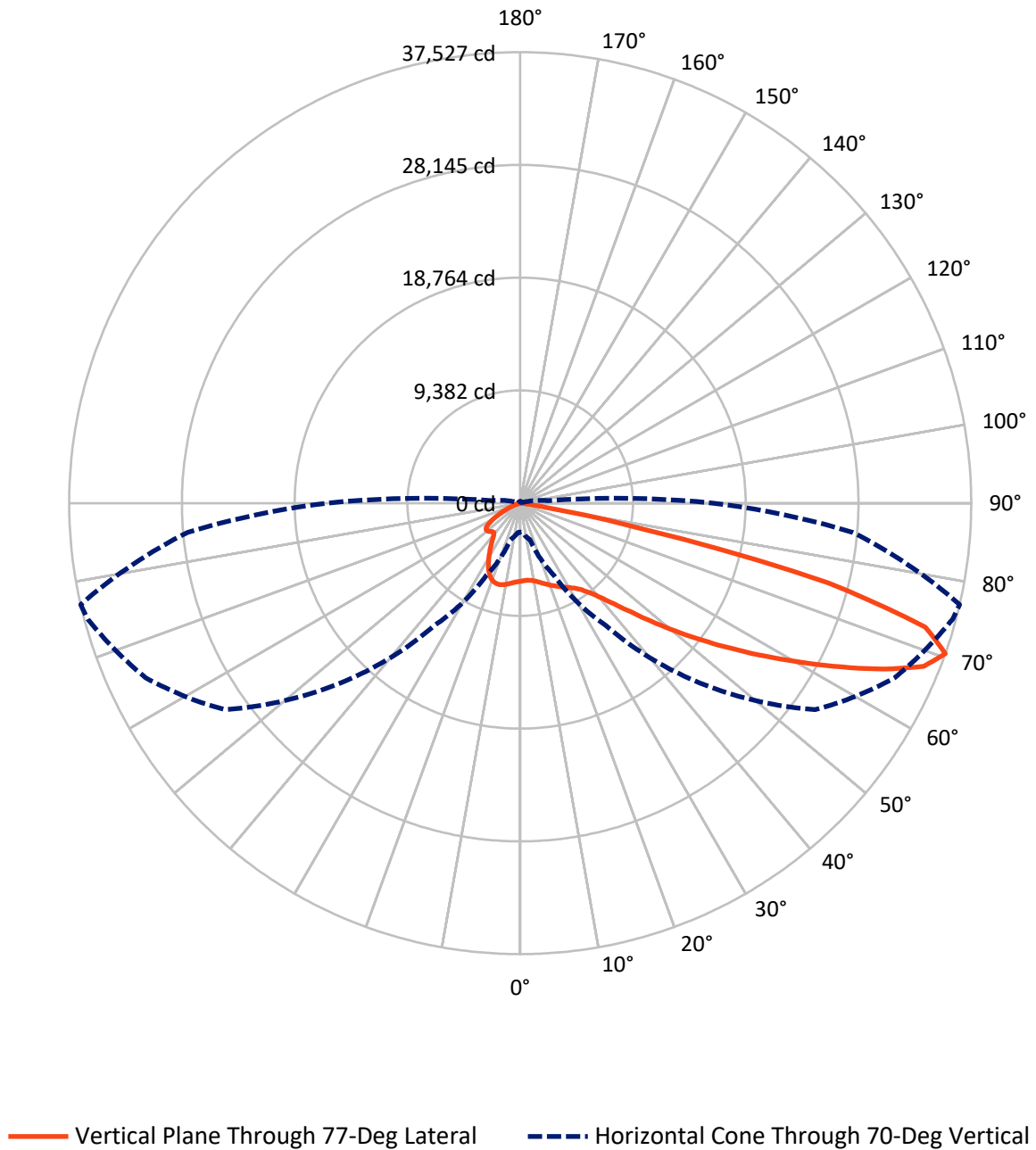


Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P955557

CATALOG NUMBER: GALN-SB8C-722-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P955557

CATALOG NUMBER: GALN-SB8C-722-U-T3R-HSS

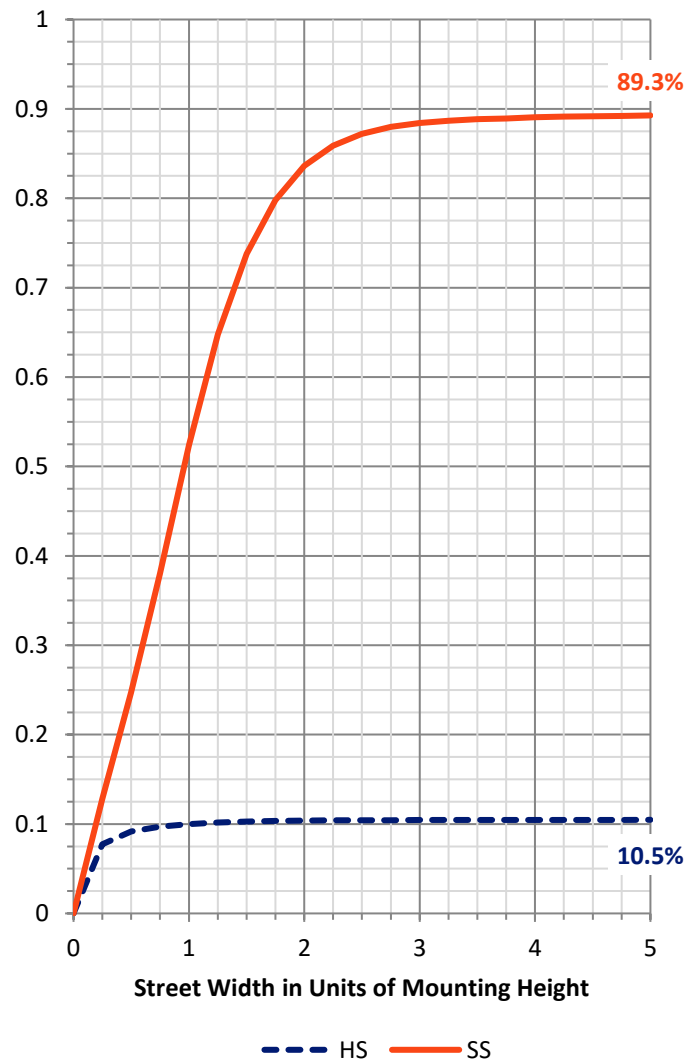
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4390.4	0.0	4390.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	37258.6	0.0	37258.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	41649.0	0.0	41649.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.9	1.3
10°-20°	1329.1	3.2
20°-30°	2055.8	4.9
30°-40°	3730.3	9.0
40°-50°	7041.5	16.9
50°-60°	10174.3	24.4
60°-70°	10830.3	26.0
70°-80°	5739.3	13.8
80°-90°	188.5	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°	41649.0	100.0
0°-180°	41649.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955557

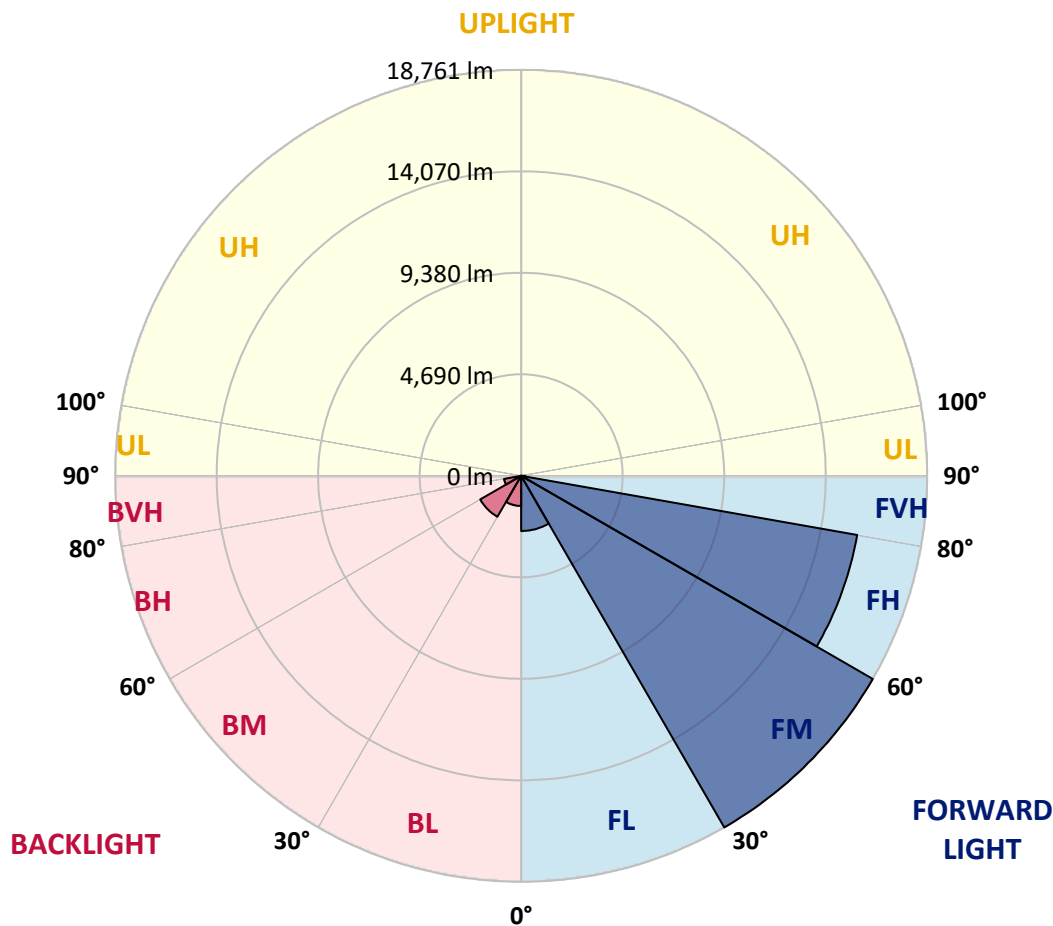
CATALOG NUMBER: GALN-SB8C-722-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2549.9	6.1			
FM	(30°-60°)	18760.6	45.0			
FH	(60°-80°)	15764.7	37.9			G5
FVH	(80°-90°)	183.4	0.4			G2/225
BL	(0°-30°)	1394.9	3.3	B3/2500		
BM	(30°-60°)	2185.6	5.2	B2/2500		
BH	(60°-80°)	804.9	1.9	B2/1000		G2/1000
BVH	(80°-90°)	5.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



REPORT NUMBER: P955557

CATALOG NUMBER: GALN-SB8C-722-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5
2.5°	6099.3	6154.6	6146.7	6183.5	6196.7	6249.3	6301.9	6372.9	6451.8	6449.1	6501.8
5°	5754.8	5810.0	5823.2	5873.1	5936.3	6017.8	6125.6	6267.7	6415.0	6438.6	6543.8
7.5°	5347.1	5405.0	5439.2	5539.1	5654.8	5823.2	5999.4	6207.2	6451.8	6486.0	6688.5
10°	4939.4	4992.0	5036.8	5178.8	5362.9	5612.8	5899.4	6199.3	6528.1	6578.0	6864.7
12.5°	4686.9	4736.9	4786.9	4910.5	5139.3	5444.4	5833.7	6236.1	6654.3	6725.3	7104.1
15°	4597.5	4642.2	4681.7	4792.1	5005.2	5352.4	5820.5	6312.4	6814.7	6909.4	7393.4
17.5°	4610.7	4634.3	4660.6	4744.8	4952.6	5310.3	5844.2	6443.9	7004.1	7088.3	7682.7
20°	4686.9	4700.1	4702.7	4760.6	4944.7	5305.0	5891.6	6570.1	7183.0	7296.1	7969.4
22.5°	4784.3	4789.5	4784.3	4823.7	4994.7	5344.5	5954.7	6722.7	7382.9	7488.1	8258.7
25°	5239.3	5139.3	5013.1	4936.8	5078.8	5420.8	6049.4	6927.8	7601.2	7703.7	8540.1
27.5°	6651.7	6365.0	5912.6	5405.0	5252.4	5531.2	6180.9	7135.6	7822.1	7914.1	8842.6
30°	8945.2	8569.1	7801.1	6656.9	5810.0	5762.7	6351.8	7343.4	8056.2	8156.1	9166.1
32.5°	11243.9	11151.9	10265.5	8682.2	7064.6	6278.2	6635.9	7624.8	8366.5	8445.4	9602.7
35°	13569.0	13382.2	12656.3	11091.4	8997.8	7327.6	7109.3	7993.1	8774.2	8863.6	10239.2
37.5°	15349.6	15236.5	14786.8	13498.0	11291.3	8947.8	7919.4	8563.8	9366.0	9465.9	11054.6
40°	16922.4	16869.8	16717.3	15867.7	13855.7	11067.7	9179.3	9447.5	10186.6	10305.0	12054.0
42.5°	18158.6	18282.2	18369.0	18132.3	16499.0	13487.5	10873.1	10689.0	11330.7	11451.7	13327.0
45°	19423.7	19465.8	19815.6	20157.5	19123.9	16017.7	12782.6	12143.4	12753.6	12903.6	14852.5
47.5°	20236.4	20404.8	21020.2	21622.5	21330.6	18526.8	14834.1	13860.9	14402.7	14684.2	16562.1
50°	20296.9	20615.2	21462.1	22511.5	22937.6	20915.0	17064.5	15817.8	16393.8	16704.1	18387.4
52.5°	19289.6	19784.1	21096.5	22632.5	23805.6	22937.6	19371.1	17774.6	18513.7	18918.7	20281.2
55°	14789.4	15436.4	19720.9	21975.0	23839.8	24471.0	21617.3	19813.0	20875.6	21333.2	22327.4
57.5°	12885.1	13211.3	15504.8	20833.5	23205.9	25089.1	23647.8	21754.0	23445.2	24013.3	24260.6
60°	10720.5	11149.2	13003.5	18966.1	22345.8	25149.6	25441.5	24258.0	26230.6	26869.7	26033.3
62.5°	7285.5	7751.1	9594.8	15757.3	21170.1	25120.6	26911.8	26835.5	29326.3	30012.7	27535.1
65°	4513.4	4805.3	6020.4	12866.7	19526.3	25152.2	28450.4	29965.4	32592.9	33289.9	28697.7
67.5°	3566.5	3700.6	4334.5	9878.9	16693.6	24442.1	29986.4	32908.5	35667.6	36219.9	29052.7
70°	2396.1	2477.6	3153.6	6622.7	12419.6	21164.9	29957.5	34386.7	37250.9	37527.1	27758.7
72.5°	1262.5	1325.6	1843.7	3066.8	7501.2	15044.5	25252.2	32619.2	35675.5	35259.9	23726.7
75°	631.2	736.4	1241.4	1557.1	3203.5	8390.2	15681.0	25717.7	28079.6	26469.9	15223.4
77.5°	478.7	578.6	1025.8	1025.8	1115.2	2824.8	6641.2	14026.6	12937.8	10773.1	4468.6
80°	305.1	394.5	896.9	775.9	465.5	718.0	1730.6	3929.5	2748.5	2091.0	812.7
82.5°	178.9	257.8	747.0	512.9	260.4	265.6	489.2	836.4	712.8	555.0	249.9
85°	71.0	168.3	512.9	202.5	102.6	65.8	147.3	178.9	147.3	110.5	63.1
87.5°	0.0	39.5	89.4	0.0	7.9	5.3	10.5	13.2	13.2	10.5	21.0
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: P955557

CATALOG NUMBER: GALN-SB8C-722-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5	6496.5
2.5°	6525.4	6530.7	6546.5	6549.1	6512.3	6464.9	6446.5	6438.6	6407.1	6404.4	6409.7
5°	6604.3	6628.0	6604.3	6535.9	6372.9	6144.1	5970.5	5828.4	5699.6	5660.1	5636.4
7.5°	6762.1	6785.8	6714.8	6446.5	6036.2	5581.2	5170.9	4881.6	4621.2	4523.9	4484.4
10°	6988.3	7019.9	6796.3	6254.5	5528.6	4797.4	4103.0	3613.8	3232.5	3077.3	3011.5
12.5°	7272.4	7285.5	6841.0	5962.6	4868.4	3824.3	2840.6	2317.2	1977.9	1851.6	1812.2
15°	7585.4	7567.0	6846.3	5565.4	3968.9	2703.8	1854.3	1522.9	1386.1	1344.0	1344.0
17.5°	7914.1	7837.9	6741.1	4992.0	2982.6	1849.0	1375.6	1296.7	1273.0	1262.5	1259.8
20°	8237.7	8066.7	6549.1	4242.4	2140.9	1380.8	1249.3	1225.7	1212.5	1207.2	1202.0
22.5°	8532.2	8240.3	6220.3	3371.9	1554.4	1220.4	1180.9	1159.9	1136.2	1125.7	1123.1
25°	8818.9	8340.2	5757.4	2559.1	1244.1	1141.5	1109.9	1070.5	1038.9	1025.8	1020.5
27.5°	9097.7	8403.4	5178.8	1893.7	1109.9	1067.8	1010.0	954.7	931.1	925.8	920.6
30°	9394.9	8424.4	4521.2	1412.4	1028.4	975.8	891.6	828.5	815.3	818.0	818.0
32.5°	9757.9	8456.0	3858.4	1157.3	960.0	865.3	765.4	699.6	689.1	699.6	697.0
35°	10191.9	8519.1	3219.3	1065.2	899.5	752.2	644.4	589.2	578.6	586.5	583.9
37.5°	10781.0	8621.7	2622.3	1046.8	849.5	657.5	541.8	497.1	497.1	499.7	497.1
40°	11564.8	8895.2	2088.3	1033.7	823.2	586.5	457.6	439.2	447.1	452.4	452.4
42.5°	12519.6	9476.5	1728.0	1017.9	794.3	555.0	415.6	407.7	420.8	426.1	426.1
45°	13590.0	10212.9	1601.8	991.6	768.0	576.0	397.2	386.6	402.4	405.0	407.7
47.5°	14697.3	10933.6	1586.0	962.6	741.7	607.6	391.9	368.2	386.6	389.3	391.9
50°	15817.8	11404.4	1601.8	917.9	699.6	607.6	394.5	349.8	365.6	373.5	376.1
52.5°	16946.1	11620.0	1591.2	820.6	626.0	570.7	394.5	334.0	349.8	355.1	355.1
55°	18040.3	11578.0	1430.8	676.0	531.3	505.0	384.0	320.9	331.4	334.0	334.0
57.5°	18905.6	10991.4	1133.6	526.0	431.3	420.8	349.8	305.1	313.0	310.4	310.4
60°	19358.0	9702.7	810.1	405.0	339.3	331.4	307.7	284.1	289.3	276.2	273.5
62.5°	19363.2	7998.3	541.8	320.9	270.9	263.0	263.0	255.1	249.9	223.6	215.7
65°	18950.3	6107.2	360.3	255.1	218.3	205.2	220.9	218.3	199.9	163.1	157.8
67.5°	18014.0	4003.1	273.5	199.9	168.3	160.4	176.2	184.1	171.0	136.8	134.1
70°	16088.7	2330.3	226.2	155.2	126.2	118.4	142.0	157.8	142.0	110.5	105.2
72.5°	13363.8	1257.2	184.1	115.7	86.8	78.9	113.1	128.9	113.1	81.5	78.9
75°	8671.6	673.3	142.0	76.3	44.7	50.0	84.2	94.7	78.9	52.6	47.3
77.5°	2911.6	297.2	89.4	36.8	21.0	21.0	50.0	57.9	36.8	18.4	15.8
80°	649.6	123.6	36.8	15.8	7.9	7.9	10.5	10.5	5.3	0.0	0.0
82.5°	213.0	50.0	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	81.5	18.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	31.6	2.6	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)