

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: P954169

Luminaire Tested: **GALN-SB7C-730-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-730-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40704 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 350.5
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



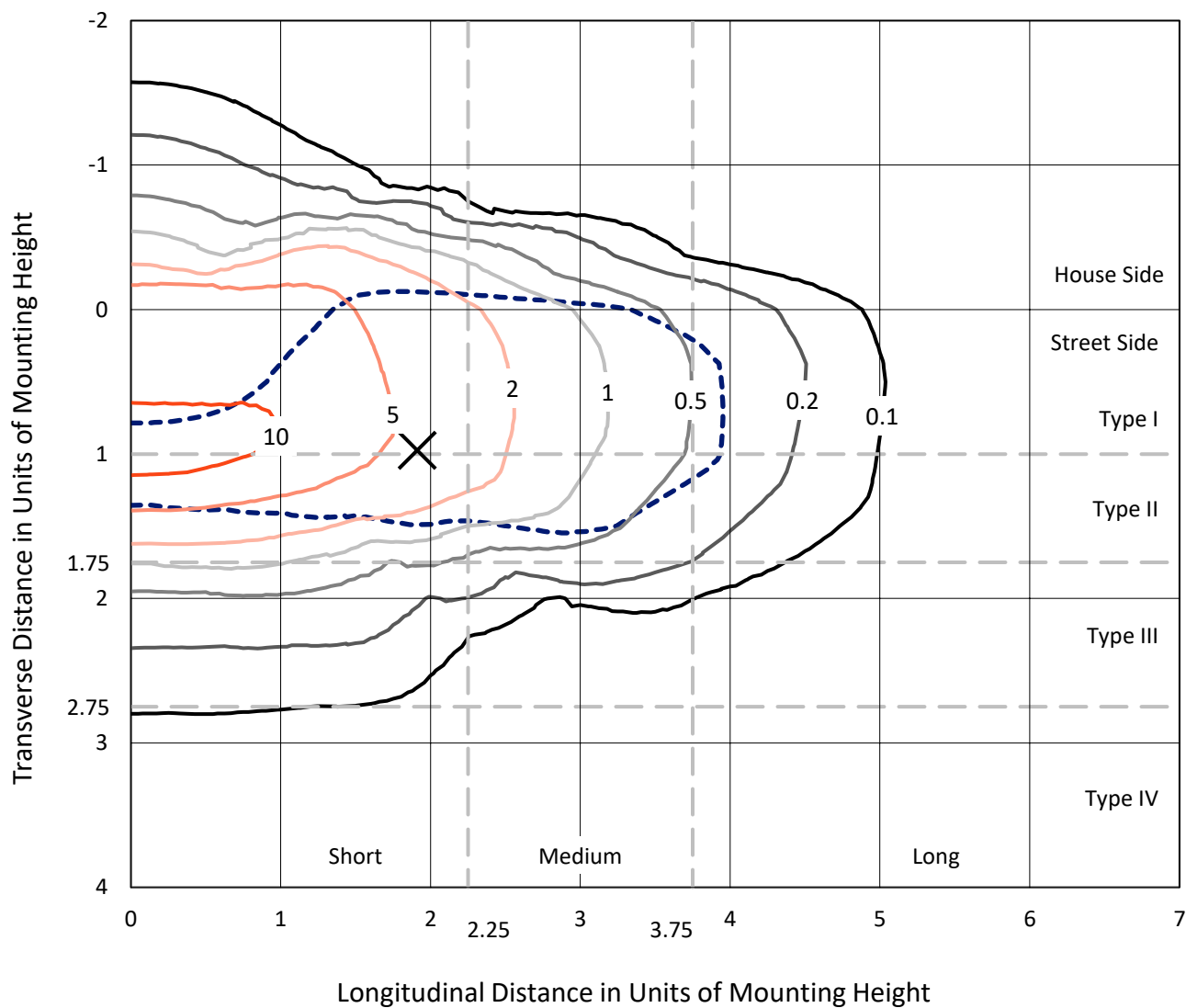
REPORT NUMBER: P954169

CATALOG NUMBER: GALN-SB7C-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

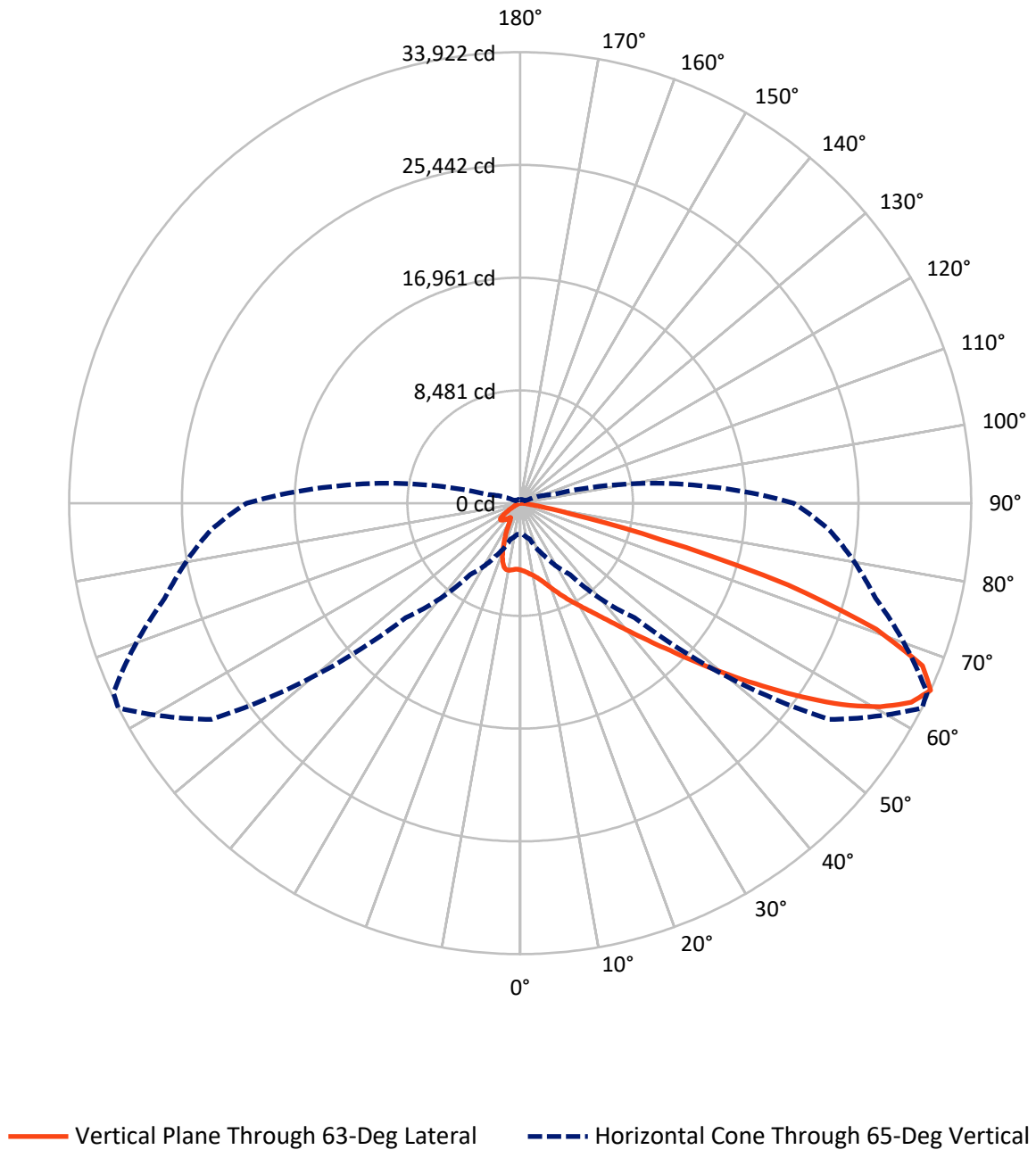


Based on 25 foot mounting height. Maximum calculated value = 13.8 fc

Type II - Short - N/A

REPORT NUMBER: P954169
CATALOG NUMBER: GALN-SB7C-730-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P954169

CATALOG NUMBER: GALN-SB7C-730-U-T2U-HSS

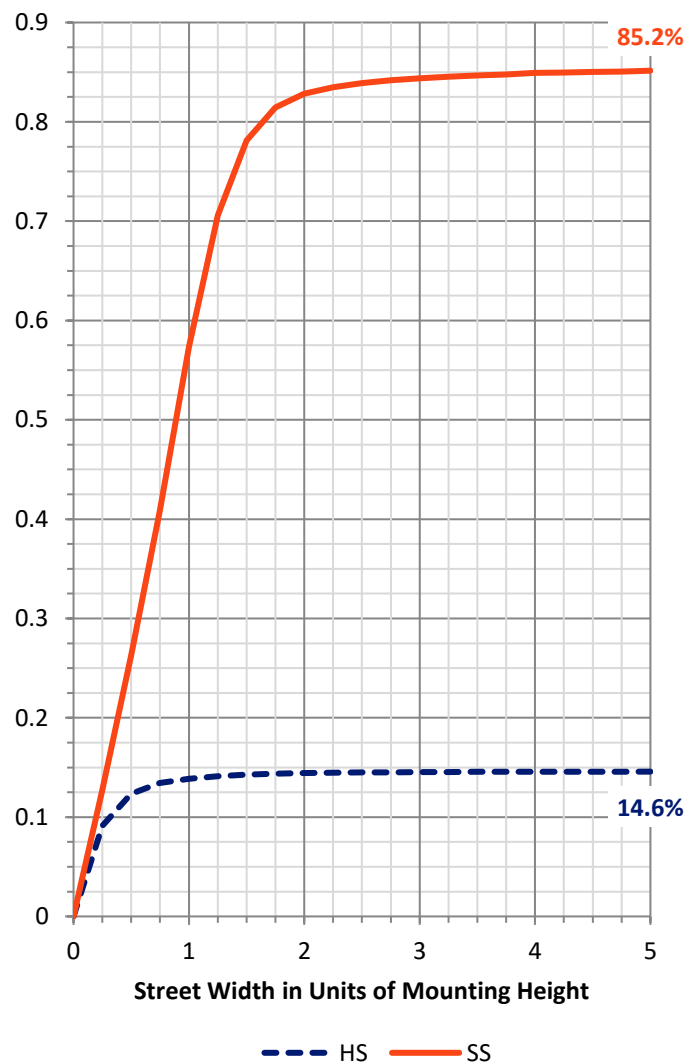
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5983.2	0.0	5983.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	34720.8	0.0	34720.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	40704.0	0.0	40704.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.3	1.2
10°-20°	1313.3	3.2
20°-30°	2286.8	5.6
30°-40°	4121.7	10.1
40°-50°	8174.6	20.1
50°-60°	11135.2	27.4
60°-70°	8888.0	21.8
70°-80°	4022.0	9.9
80°-90°	289.1	0.7
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°	40704.0	100.0
0°-180°	40704.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954169

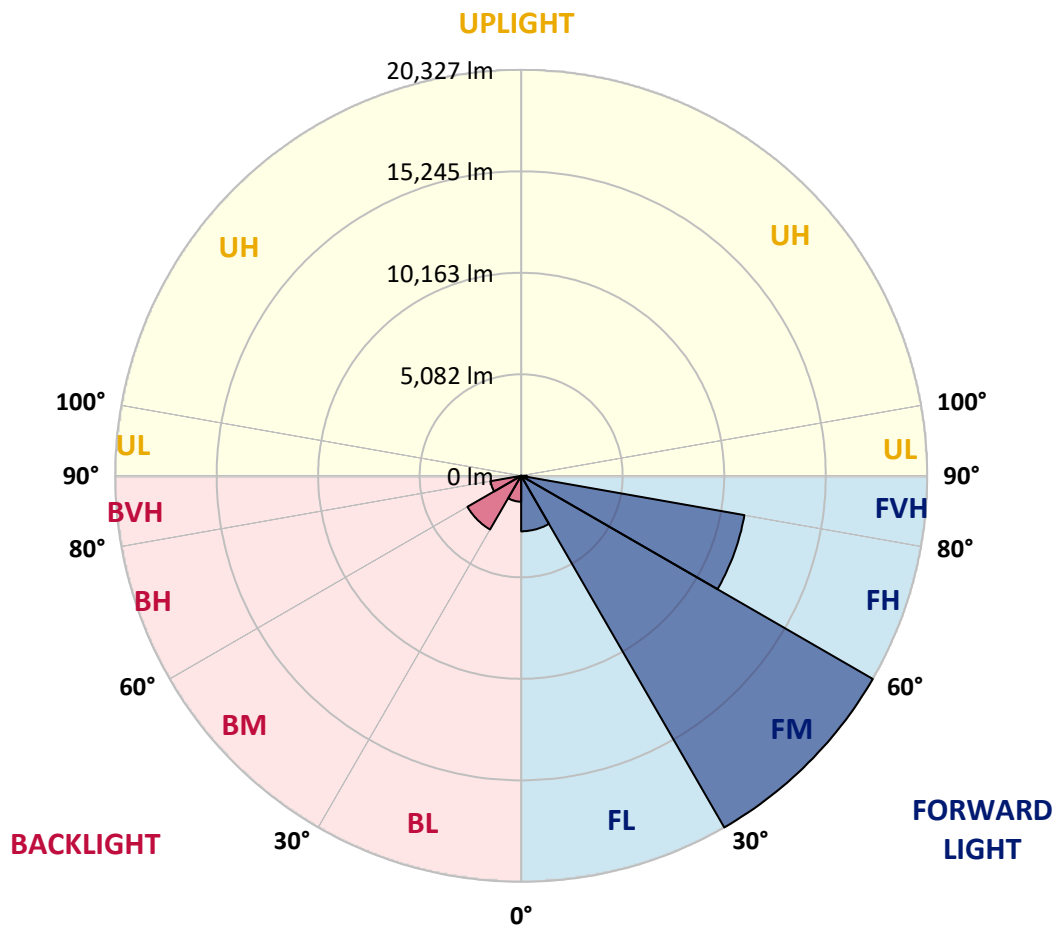
CATALOG NUMBER: GALN-SB7C-730-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2778.5	6.8			
FM	(30°-60°)	20326.6	49.9			
FH	(60°-80°)	11348.1	27.9			G4/12000
FVH	(80°-90°)	267.6	0.7			G3/500
BL	(0°-30°)	1294.9	3.2	B3/2500		
BM	(30°-60°)	3104.9	7.6	B3/5000		
BH	(60°-80°)	1561.9	3.8	B3/2500		G3/2500
BVH	(80°-90°)	21.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



REPORT NUMBER: P954169

CATALOG NUMBER: GALN-SB7C-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6
2.5°	5141.3	5127.3	5146.9	5138.5	5132.9	5121.7	5116.1	5110.5	5099.2	5090.8	5057.2
5°	5155.3	5146.9	5166.5	5183.3	5200.1	5216.9	5225.3	5236.5	5225.3	5202.9	5169.3
7.5°	5037.6	5032.0	5074.0	5124.5	5200.1	5264.5	5334.5	5373.7	5376.5	5368.1	5331.7
10°	5029.2	5015.2	5057.2	5118.9	5216.9	5331.7	5454.9	5538.9	5550.1	5586.5	5547.3
12.5°	5160.9	5146.9	5205.7	5272.9	5373.7	5494.1	5645.3	5762.9	5779.7	5830.1	5802.1
15°	5382.1	5362.5	5429.7	5516.5	5645.3	5782.5	5942.1	6048.5	6062.5	6124.1	6073.7
17.5°	5639.7	5620.1	5698.5	5790.9	5930.9	6118.5	6303.4	6421.0	6437.8	6477.0	6384.6
20°	5970.1	5944.9	6006.5	6090.5	6238.9	6463.0	6684.2	6852.2	6849.4	6849.4	6698.2
22.5°	6353.8	6314.6	6367.8	6435.0	6575.0	6846.6	7140.6	7339.4	7339.4	7261.0	7011.8
25°	6765.4	6726.2	6785.0	6846.6	6969.8	7277.8	7622.3	7868.7	7879.9	7745.5	7347.8
27.5°	7280.6	7230.2	7275.0	7347.8	7420.7	7734.3	8143.1	8428.7	8434.3	8227.1	7667.1
30°	8271.9	8129.1	7989.1	7910.7	7944.3	8255.1	8692.0	9008.4	9036.4	8750.8	8014.3
32.5°	10086.5	10058.5	9565.6	8921.6	8585.6	8815.2	9305.2	9686.1	9702.9	9336.0	8465.1
35°	12906.3	12872.7	12080.3	10853.8	9758.9	9565.6	10050.1	10500.9	10489.7	10075.3	9050.4
37.5°	16272.2	16241.4	15196.9	13556.0	11783.4	10699.7	11010.6	11483.8	11553.8	11010.6	9806.5
40°	19148.1	19033.3	18372.4	16790.3	14471.7	12581.5	12377.1	12690.7	12763.5	12119.5	10766.9
42.5°	21326.7	21228.7	20892.6	19904.2	17725.6	15365.0	13987.2	14107.6	14188.9	13416.0	11870.2
45°	22455.2	22432.8	22567.2	22474.8	21041.1	18781.3	16289.0	15787.8	15818.6	14852.5	13122.0
47.5°	22614.8	22603.6	23216.8	24084.9	23891.7	22634.4	19243.3	17882.4	17773.2	16473.9	14482.9
50°	21673.9	21651.5	22827.6	24454.6	25795.9	25871.5	22598.0	20243.0	20002.2	18151.2	15902.6
52.5°	18669.2	18663.6	20595.8	23303.7	26465.1	28705.3	25913.5	22836.0	22432.8	19926.6	17403.5
55°	14365.3	14468.9	16683.9	19884.6	25244.2	30069.0	28890.1	25714.7	25095.8	21713.1	18786.9
57.5°	10176.1	10327.3	12517.1	15367.8	21458.3	29262.6	30903.5	28598.9	27932.5	23494.1	20189.8
60°	5466.1	5600.5	7793.1	11195.4	15964.2	26255.1	31964.8	31102.3	30472.3	25185.4	21455.5
62.5°	3256.7	3301.5	4208.8	7227.4	10797.8	20058.2	31514.0	33009.3	32491.3	26605.1	22556.0
65°	2338.2	2346.6	2803.0	4413.2	6555.4	12186.7	28352.5	33922.2	33762.6	27674.8	23370.9
67.5°	1968.6	1963.0	2153.4	2931.9	4466.4	6104.5	21729.9	32631.3	33308.9	28352.5	23832.9
70°	1688.5	1696.9	1921.0	2147.8	3357.5	3455.5	10803.4	28411.3	29856.2	28531.7	23804.9
72.5°	1257.3	1285.3	1492.5	1957.4	2534.2	2377.4	3729.9	21066.3	23678.9	26882.4	22570.0
75°	887.7	901.7	1050.1	1646.5	1890.2	1730.6	1904.2	10890.2	14239.3	20609.8	18473.2
77.5°	683.3	708.5	795.3	1150.9	1862.2	1215.3	1164.9	3769.1	5790.9	12449.9	12665.5
80°	369.6	414.4	574.1	831.7	1307.7	859.7	576.9	1500.9	1963.0	5821.7	4883.6
82.5°	190.4	212.8	400.4	599.3	744.9	750.5	285.6	624.5	809.3	1797.8	669.3
85°	75.6	92.4	268.8	330.4	383.6	369.6	128.8	252.0	291.2	498.4	204.4
87.5°	16.8	28.0	98.0	75.6	72.8	78.4	30.8	58.8	56.0	58.8	36.4
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: P954169

CATALOG NUMBER: GALN-SB7C-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6	5023.6
2.5°	5054.4	5043.2	5012.4	4978.8	4939.6	4917.2	4903.2	4900.4	4880.8	4866.8	4880.8
5°	5138.5	5127.3	5068.4	4998.4	4922.8	4864.0	4808.0	4757.6	4684.8	4670.8	4665.2
7.5°	5306.5	5275.7	5180.5	5085.2	4942.4	4771.6	4564.4	4326.4	4113.6	4049.2	4018.4
10°	5513.7	5471.7	5351.3	5183.3	4866.8	4402.0	3900.7	3435.9	3066.3	2962.7	2923.5
12.5°	5748.9	5712.5	5552.9	5242.1	4550.4	3707.5	2940.3	2363.4	2005.0	1915.4	1890.2
15°	6028.9	5975.7	5754.5	5152.5	3984.8	2817.0	2019.0	1677.3	1548.5	1531.7	1514.9
17.5°	6325.8	6238.9	5933.7	4830.4	3223.1	2002.2	1559.7	1461.7	1405.7	1388.9	1380.5
20°	6597.4	6485.4	6040.1	4343.2	2408.2	1559.7	1397.3	1332.9	1282.5	1262.9	1251.7
22.5°	6869.0	6709.4	6040.1	3679.5	1806.2	1383.3	1282.5	1223.7	1164.9	1139.7	1125.7
25°	7151.8	6939.0	5933.7	2940.3	1453.3	1268.5	1173.3	1108.9	1058.5	1027.7	1016.5
27.5°	7426.3	7132.2	5690.1	2240.2	1293.7	1167.7	1072.5	1010.9	963.3	940.9	940.9
30°	7686.7	7322.6	5348.5	1699.7	1190.1	1069.7	980.1	926.9	879.3	856.9	859.7
32.5°	8039.5	7563.5	4984.4	1394.5	1100.5	977.3	896.1	845.7	803.7	786.9	786.9
35°	8529.6	7919.1	4670.8	1369.3	1024.9	901.7	820.5	772.9	730.9	716.9	716.9
37.5°	9224.0	8493.1	4505.6	1537.3	963.3	834.5	758.9	708.5	669.3	658.1	655.3
40°	10080.9	9271.6	4595.2	1705.4	921.3	775.7	702.9	652.5	618.9	604.9	602.1
42.5°	11097.4	10232.1	5090.8	1834.2	893.3	725.3	649.7	593.7	571.3	565.6	565.6
45°	12265.1	11287.8	5849.7	1971.4	848.5	677.7	596.5	554.4	537.6	534.8	532.0
47.5°	13592.4	12447.1	6729.0	2142.2	803.7	632.9	554.4	526.4	512.4	506.8	506.8
50°	14908.5	13614.8	7633.5	2237.4	767.3	590.9	520.8	498.4	487.2	484.4	484.4
52.5°	16286.2	14816.1	8364.3	2147.8	736.5	557.2	492.8	476.0	464.8	462.0	462.0
55°	17599.6	15787.8	8490.3	1823.0	674.9	523.6	462.0	453.6	439.6	439.6	436.8
57.5°	18730.9	16275.0	7599.9	1338.5	613.3	473.2	431.2	422.8	411.6	408.8	406.0
60°	19769.7	16135.0	5866.5	901.7	546.0	422.8	392.0	386.4	375.2	361.2	358.4
62.5°	20355.0	15519.0	4012.8	588.1	478.8	369.6	347.2	344.4	319.2	291.2	285.6
65°	20576.2	14253.3	2503.4	428.4	400.4	316.4	299.6	294.0	257.6	226.8	224.0
67.5°	20383.0	12169.9	1262.9	338.8	316.4	263.2	246.4	246.4	221.2	193.2	190.4
70°	19610.1	9123.2	532.0	271.6	243.6	201.6	201.6	212.8	187.6	156.8	154.0
72.5°	17932.8	6138.1	282.8	207.2	182.0	142.8	165.2	173.6	148.4	117.6	117.6
75°	14256.1	3743.9	196.0	154.0	114.8	100.8	126.0	131.6	100.8	78.4	75.6
77.5°	9750.5	2150.6	131.6	98.0	72.8	58.8	86.8	81.2	53.2	36.4	39.2
80°	4281.6	896.1	75.6	44.8	28.0	22.4	30.8	22.4	16.8	11.2	11.2
82.5°	501.2	210.0	28.0	16.8	11.2	5.6	2.8	0.0	0.0	0.0	0.0
85°	103.6	25.2	14.0	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.6	5.6	2.8	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)