

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: P942309

Luminaire Tested: **GALN-SB6B-730-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942309
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-SB6B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33750 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 220.4
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

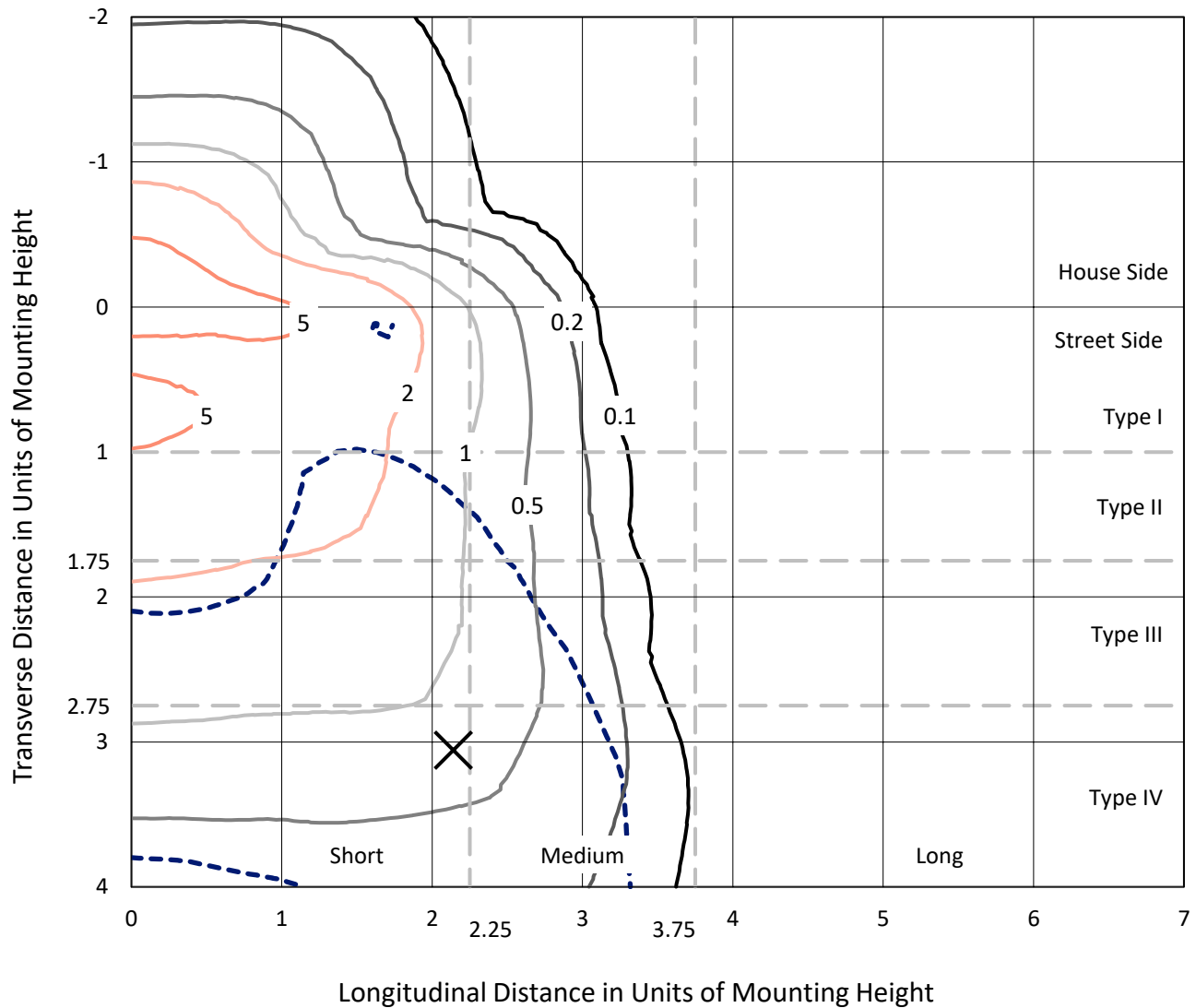


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

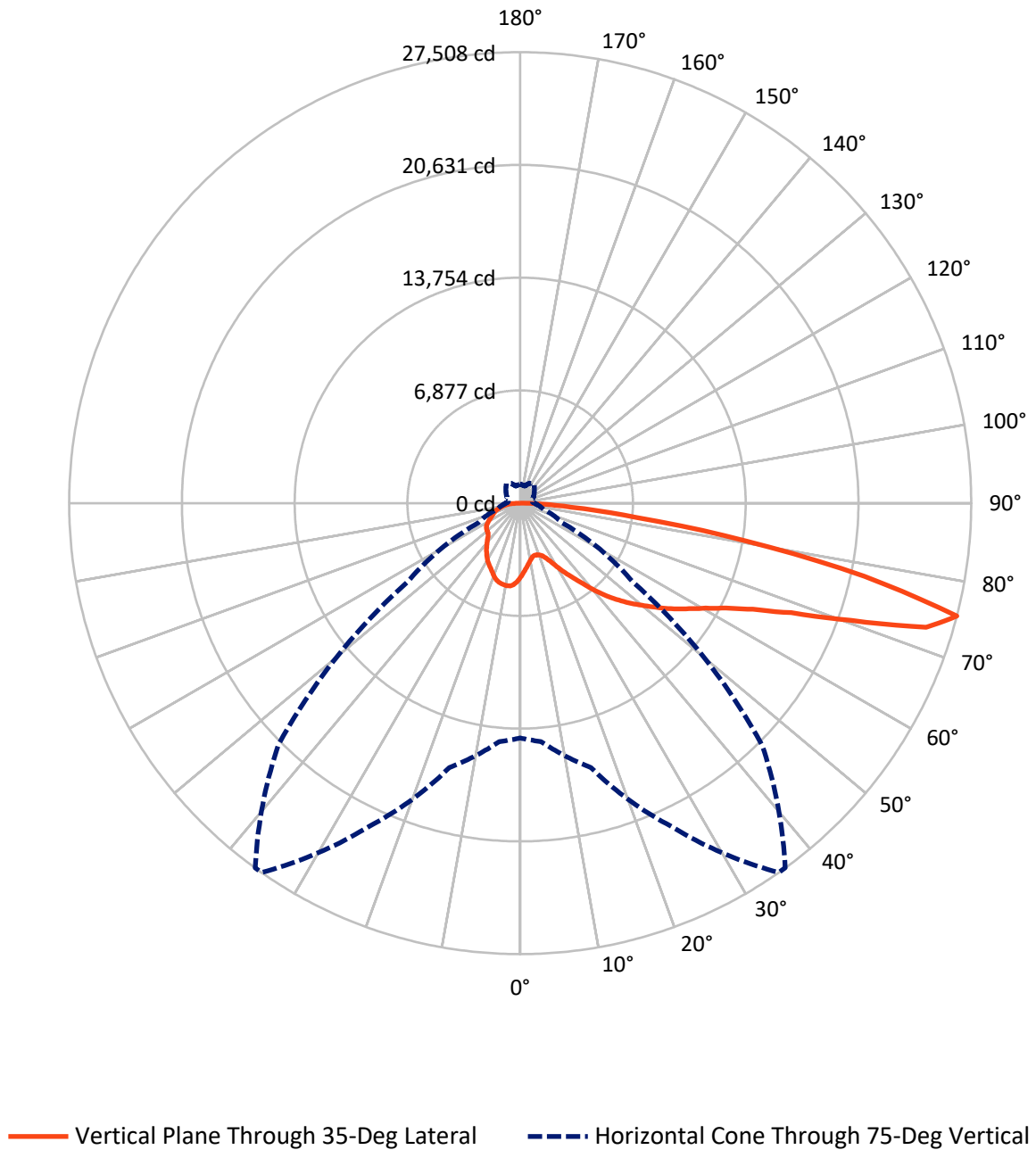


Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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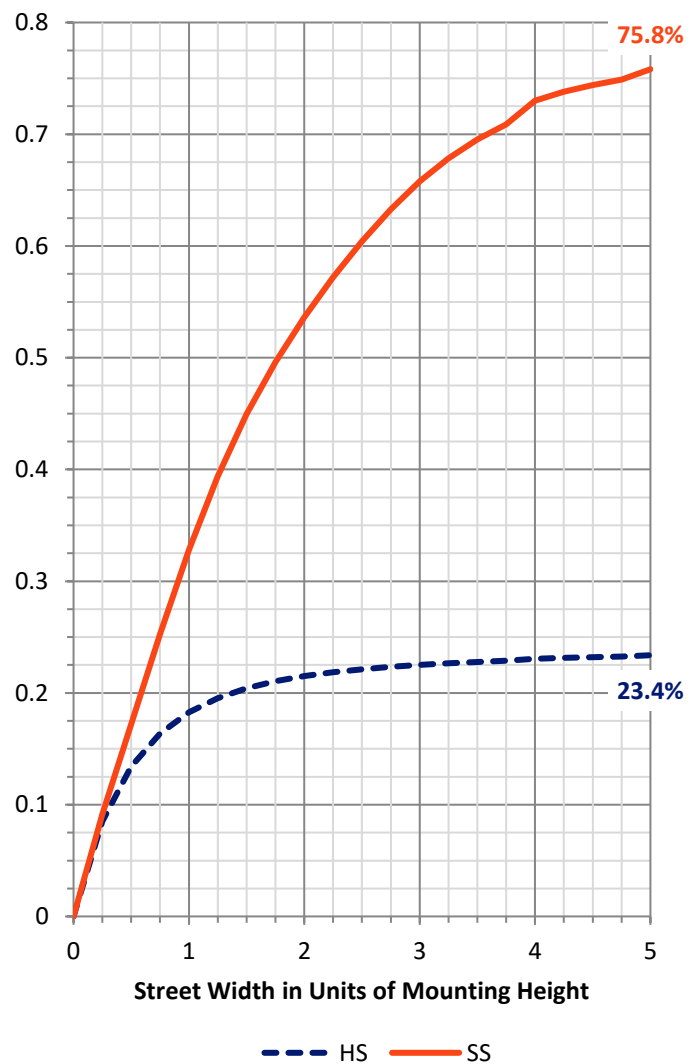
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8031.7	0.0	8031.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	25718.3	0.0	25718.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	33750.0	0.0	33750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.8	1.3
10°-20°	1228.2	3.6
20°-30°	2062.5	6.1
30°-40°	3205.5	9.5
40°-50°	4757.8	14.1
50°-60°	6568.4	19.5
60°-70°	7968.9	23.6
70°-80°	6585.7	19.5
80°-90°	947.2	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°	33750.0	100.0
0°-180°	33750.0	100.0

Coefficient of Utilization



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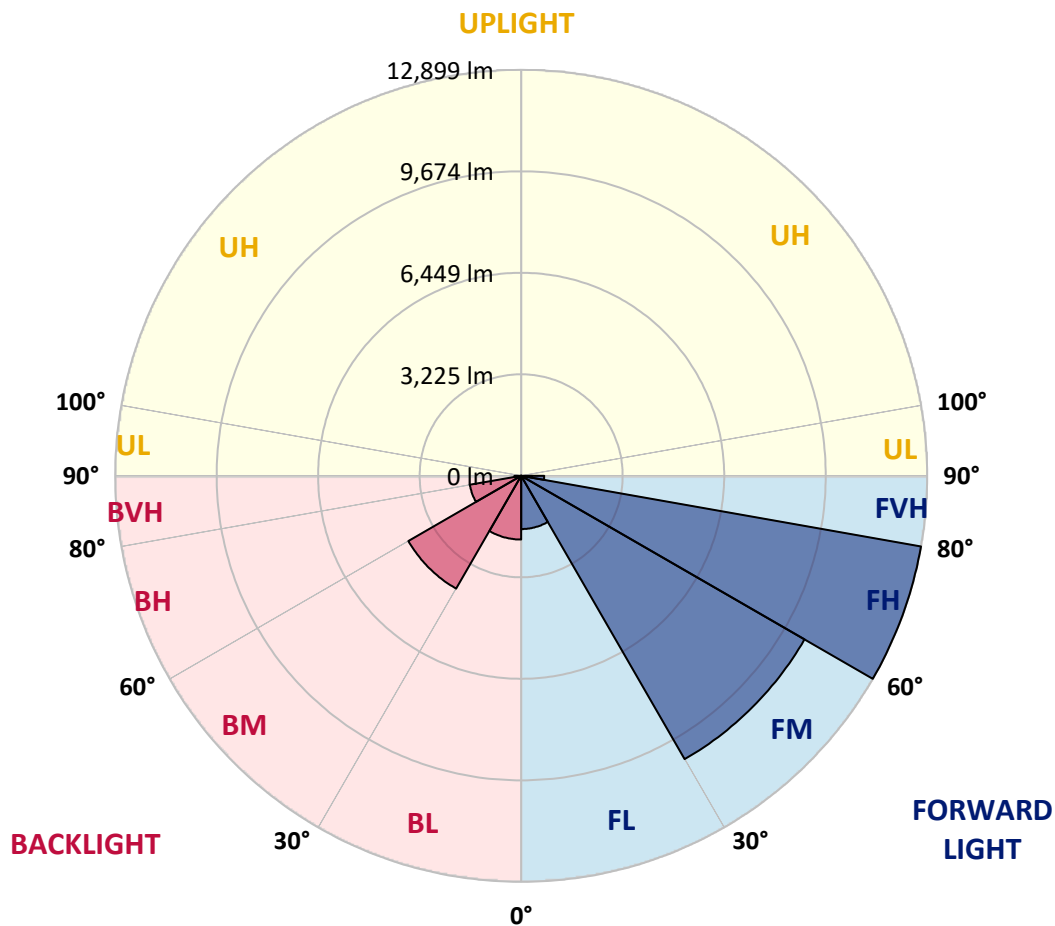
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1692.5	5.0			
FM	(30°-60°)	10393.2	30.8			
FH	(60°-80°)	12898.7	38.2			G5
FVH	(80°-90°)	733.9	2.2			G4/750
BL	(0°-30°)	2024.1	6.0	B3/2500		
BM	(30°-60°)	4138.4	12.3	B3/5000		
BH	(60°-80°)	1655.9	4.9	B3/2500		G3/2500
BVH	(80°-90°)	213.3	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
2.5°	4147.1	4172.7	4183.6	4178.1	4205.5	4201.8	4240.2	4287.6	4353.3	4417.1	4510.2
5°	3827.8	3855.2	3878.9	3900.8	3953.7	3970.1	4030.3	4121.6	4242.0	4364.2	4517.5
7.5°	3530.4	3554.1	3590.6	3630.8	3720.2	3736.6	3836.9	3979.3	4147.1	4325.9	4537.6
10°	3287.8	3311.5	3349.8	3395.4	3506.7	3526.8	3654.5	3844.2	4063.2	4289.4	4559.4
12.5°	3183.8	3191.1	3213.0	3258.6	3355.3	3368.0	3508.5	3725.6	3981.1	4262.1	4592.3
15°	3178.3	3192.9	3194.7	3218.4	3298.7	3304.2	3433.7	3649.0	3930.0	4256.6	4641.6
17.5°	3233.0	3244.0	3227.6	3242.2	3309.7	3318.8	3421.0	3612.5	3913.6	4280.3	4725.5
20°	3379.0	3388.1	3338.9	3318.8	3368.0	3375.3	3475.7	3636.2	3930.0	4329.6	4840.4
22.5°	3689.2	3694.6	3574.2	3492.1	3495.8	3499.4	3587.0	3732.9	3993.9	4419.0	4986.4
25°	4172.7	4169.0	3977.4	3818.7	3727.5	3707.4	3765.8	3889.9	4101.5	4537.6	5174.3
27.5°	4738.3	4710.9	4519.3	4282.1	4083.3	4054.1	4041.3	4094.2	4254.8	4694.5	5404.2
30°	5376.8	5351.3	5145.1	4835.0	4559.4	4512.0	4391.6	4364.2	4482.8	4907.9	5723.5
32.5°	6077.4	6061.0	5814.7	5438.9	5070.3	5015.6	4813.1	4740.1	4833.1	5230.9	6168.7
35°	6664.9	6650.3	6446.0	6059.2	5608.5	5541.0	5334.9	5252.8	5300.2	5645.0	6750.7
37.5°	7195.9	7188.6	7013.4	6708.7	6243.5	6161.4	5929.7	5902.3	5893.2	6190.6	7456.8
40°	7688.5	7670.2	7487.8	7327.2	6982.4	6907.6	6703.2	6679.5	6610.2	6862.0	8255.9
42.5°	8234.0	8186.6	7922.0	7847.2	7754.2	7692.1	7569.9	7573.5	7420.3	7619.2	9102.5
45°	8679.2	8651.8	8380.0	8336.2	8436.5	8411.0	8516.8	8544.2	8246.8	8412.8	9981.9
47.5°	9157.2	9131.7	8901.8	8870.8	9142.6	9149.9	9523.9	9533.1	9053.2	9237.5	10863.1
50°	9746.5	9710.0	9482.0	9520.3	9825.0	9852.4	10536.5	10474.5	9795.8	10074.9	11737.1
52.5°	10135.2	10157.0	10107.8	10169.8	10585.8	10611.3	11532.7	11374.0	10531.1	10901.4	12594.6
55°	10421.6	10465.4	10618.6	10761.0	11388.6	11414.1	12472.3	12229.7	11140.5	11667.7	13401.0
57.5°	10790.1	10728.1	11014.6	11291.9	12151.2	12218.7	13386.4	13054.4	11680.5	12328.2	13953.8
60°	11319.3	11275.5	11498.1	11908.6	13005.1	13112.7	14353.4	13796.9	12076.4	12851.8	14061.5
62.5°	12392.1	12282.6	12317.3	12680.3	14081.6	14223.9	15444.5	14444.6	12273.5	13056.2	13484.9
65°	13995.8	13807.9	13632.7	13884.5	15597.7	15738.2	16676.0	14953.7	12200.5	12660.3	11954.2
67.5°	16015.5	15829.4	15614.2	15851.3	17830.9	17942.2	18195.8	15240.1	11625.8	11135.0	9248.4
70°	17681.3	17612.0	17869.2	18845.4	21397.8	21401.5	20144.4	15002.9	10051.2	7894.7	5351.3
72.5°	17460.6	17418.6	18774.2	21791.9	25893.4	25796.7	21989.0	13207.6	6770.8	3561.4	2005.1
75°	14324.2	14596.1	16696.1	21739.0	27508.1	27495.4	20859.6	8396.4	2800.6	1476.0	1036.3
77.5°	7681.2	8111.8	10839.4	16050.2	21474.5	21797.4	14665.4	2937.5	1202.4	945.1	717.0
80°	2505.1	2880.9	4320.4	8172.0	13953.8	13893.6	6285.4	1153.1	822.9	669.6	496.3
82.5°	1063.7	1107.5	1930.3	3858.8	7161.2	7049.9	2001.5	662.3	578.4	458.0	306.5
85°	416.0	465.2	852.0	1784.4	3101.7	3034.2	722.5	328.4	370.4	299.2	182.5
87.5°	136.8	166.0	304.7	611.2	965.2	930.5	177.0	113.1	160.6	136.8	65.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
2.5°	4535.7	4564.9	4599.6	4650.7	4694.5	4731.0	4769.3	4793.0	4802.1	4829.5	4827.7
5°	4568.6	4632.4	4718.2	4802.1	4884.2	4933.5	4977.3	4999.2	5019.2	5033.8	5037.5
7.5°	4623.3	4705.4	4840.4	4949.9	5019.2	5059.4	5088.6	5081.3	5088.6	5092.2	5097.7
10°	4670.7	4785.7	4946.2	5050.2	5103.2	5105.0	5097.7	5072.1	5059.4	5061.2	5064.8
12.5°	4727.3	4855.0	5028.3	5115.9	5130.5	5090.4	5059.4	5015.6	4999.2	4991.9	4988.2
15°	4803.9	4949.9	5117.7	5150.6	5114.1	5063.0	5010.1	4938.9	4902.5	4873.3	4882.4
17.5°	4897.0	5057.5	5187.1	5163.4	5084.9	5001.0	4915.2	4807.6	4732.8	4701.8	4703.6
20°	5026.5	5170.7	5240.0	5136.0	5017.4	4889.7	4743.7	4612.4	4543.0	4512.0	4508.4
22.5°	5183.4	5322.1	5291.1	5088.6	4920.7	4716.4	4533.9	4437.2	4402.5	4380.6	4384.3
25°	5371.4	5489.9	5327.6	5019.2	4762.0	4486.5	4346.0	4315.0	4298.5	4282.1	4282.1
27.5°	5615.8	5679.7	5354.9	4917.1	4513.8	4242.0	4190.9	4196.4	4190.9	4163.5	4169.0
30°	5938.8	5926.0	5380.5	4751.0	4229.2	4021.2	4024.9	4048.6	4052.2	4034.0	4043.1
32.5°	6363.9	6234.3	5393.2	4535.7	3957.4	3827.8	3831.5	3857.0	3875.3	3844.2	3858.8
35°	6878.4	6593.8	5373.2	4265.7	3747.5	3643.5	3616.2	3623.5	3628.9	3599.8	3619.8
37.5°	7478.7	6997.0	5283.8	3966.5	3574.2	3462.9	3404.5	3355.3	3326.1	3298.7	3317.0
40°	8137.3	7436.7	5119.6	3674.6	3380.8	3271.3	3183.8	3090.7	2992.2	2955.7	2972.1
42.5°	8827.0	7889.2	4920.7	3395.4	3158.2	3068.8	2975.8	2840.8	2693.0	2618.2	2627.3
45°	9542.2	8352.6	4725.5	3119.9	2930.2	2891.8	2784.2	2621.8	2461.3	2366.4	2359.1
47.5°	10242.8	8790.5	4439.0	2842.6	2716.7	2758.7	2674.7	2525.1	2346.3	2196.7	2180.3
50°	10912.4	9201.0	3970.1	2561.6	2543.4	2718.5	2638.2	2422.9	2218.6	2027.0	2010.6
52.5°	11576.5	9533.1	3369.9	2306.2	2450.3	2707.6	2590.8	2353.6	2103.7	1903.0	1881.1
55°	12140.3	9704.6	2791.5	2087.2	2315.3	2614.5	2534.2	2271.5	1941.3	1727.8	1709.6
57.5°	12461.4	9565.9	2309.8	1871.9	2129.2	2461.3	2437.5	2096.4	1747.9	1583.7	1561.8
60°	12322.7	9004.0	1915.7	1684.0	1952.2	2295.2	2269.7	1923.0	1600.1	1445.0	1423.1
62.5°	11558.3	7933.0	1603.7	1519.8	1791.7	2125.6	2101.8	1789.8	1487.0	1337.4	1313.6
65°	10018.4	6453.3	1361.1	1383.0	1629.3	1921.2	1955.9	1678.5	1397.6	1251.6	1227.9
67.5°	7641.0	4674.4	1171.3	1264.4	1470.6	1720.5	1820.9	1598.3	1322.8	1184.1	1162.2
70°	4355.1	2654.7	1010.8	1149.4	1330.1	1534.4	1716.9	1534.4	1242.5	1127.5	1113.0
72.5°	1651.2	1218.8	873.9	1034.5	1195.1	1377.5	1601.9	1434.1	1149.4	1063.7	1049.1
75°	881.2	742.6	735.3	899.5	1040.0	1224.2	1457.8	1335.5	1080.1	1123.9	1160.4
77.5°	600.3	525.5	614.9	769.9	870.3	1054.6	1304.5	1185.9	936.0	932.3	859.3
80°	416.0	372.2	499.9	620.3	673.2	886.7	1138.5	1018.1	762.6	711.6	680.5
82.5°	250.0	242.7	374.0	463.4	476.2	684.2	943.3	853.9	624.0	543.7	547.4
85°	136.8	144.1	239.0	271.9	277.3	478.0	738.9	660.5	479.8	403.2	406.9
87.5°	38.3	49.3	87.6	107.6	133.2	248.1	439.7	392.3	240.8	167.9	167.9
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)