

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: P942292

Luminaire Tested: **GALN-SB6B-727-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31396 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - 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

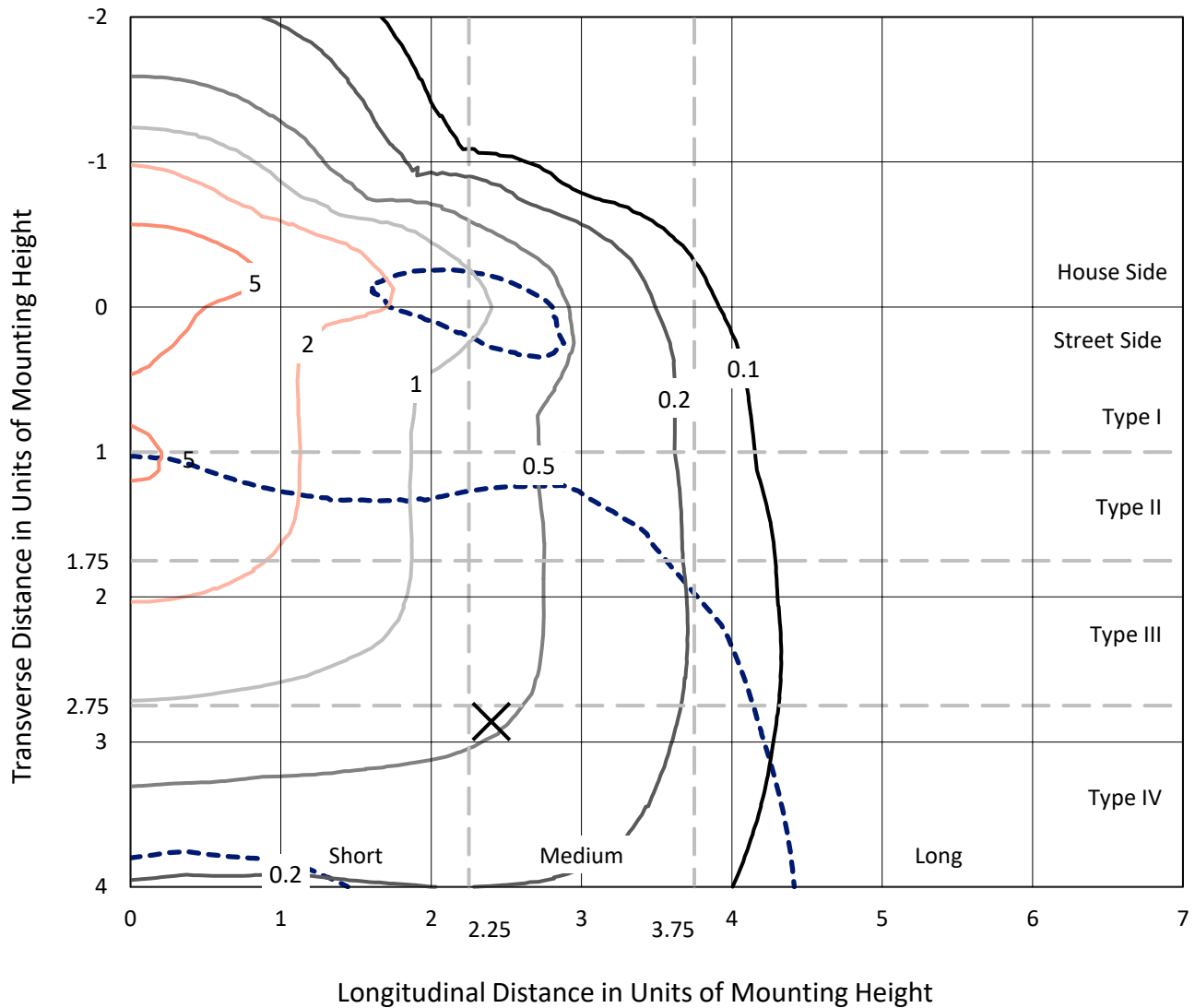


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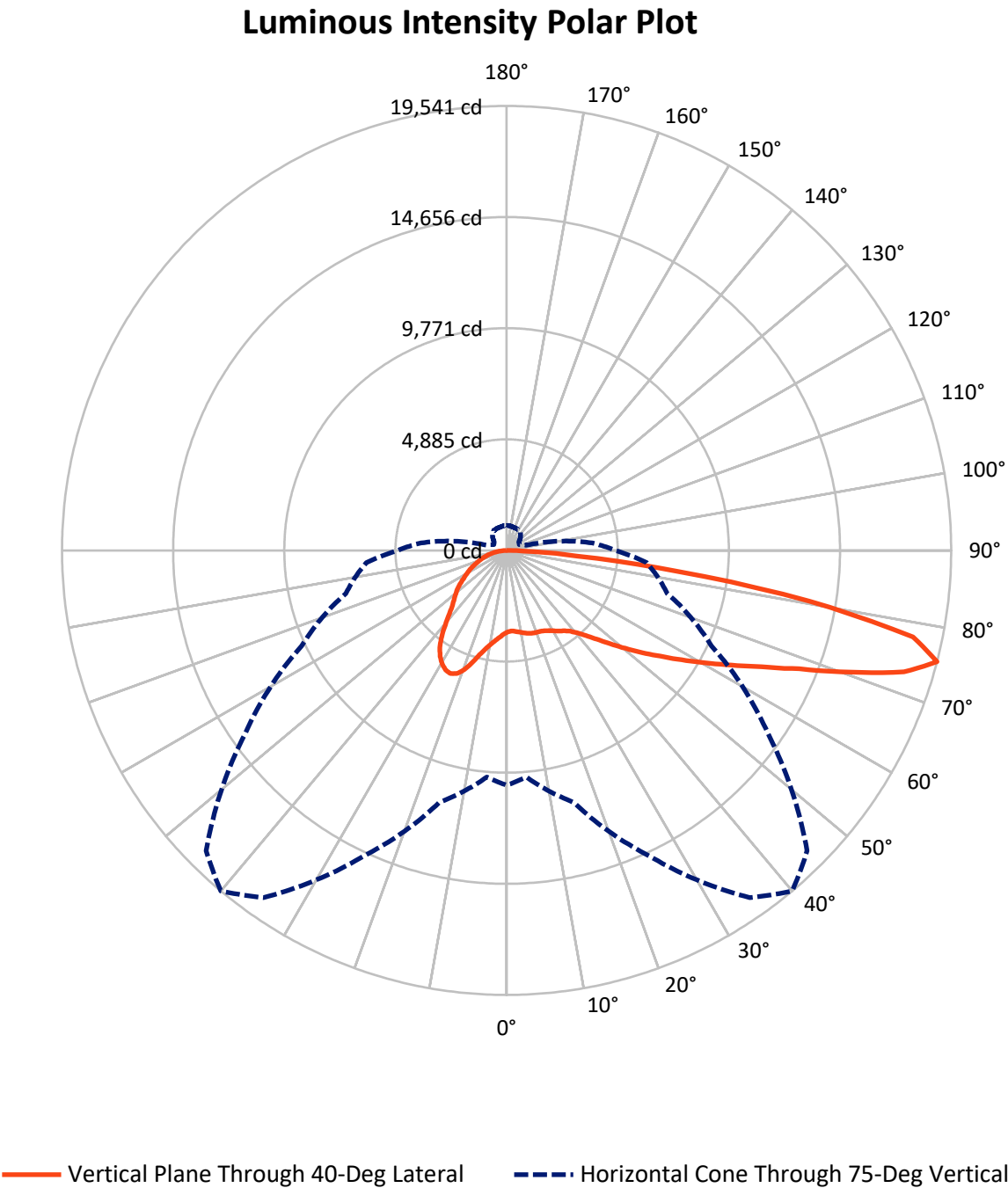
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Medium - N/A

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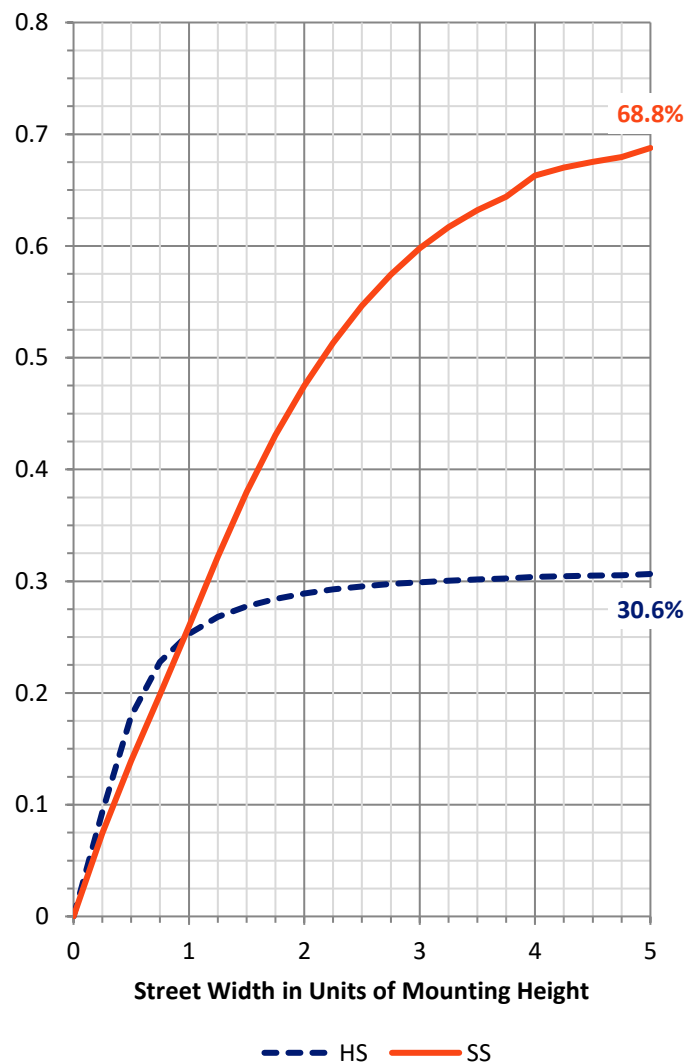
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9727.5	0.0	9727.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	21668.5	0.0	21668.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	31396.0	0.0	31396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.4	1.1
10°-20°	1203.2	3.8
20°-30°	2197.0	7.0
30°-40°	3115.9	9.9
40°-50°	4207.4	13.4
50°-60°	5660.1	18.0
60°-70°	7183.9	22.9
70°-80°	6519.8	20.8
80°-90°	950.4	3.0
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°	31396.0	100.0
0°-180°	31396.0	100.0

Coefficient of Utilization



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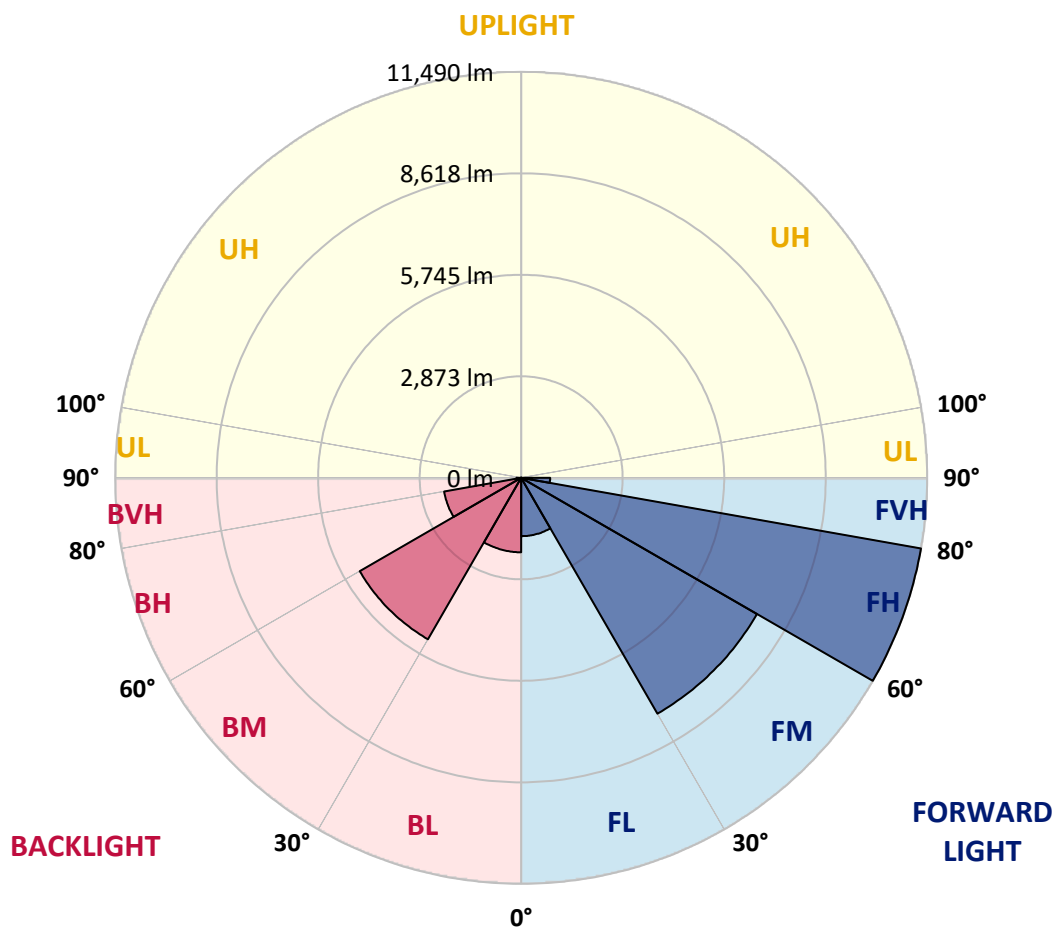
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1651.5	5.3			
FM	(30°-60°)	7707.0	24.5			
FH	(60°-80°)	11490.5	36.6			G4/12000
FVH	(80°-90°)	819.5	2.6			G5
BL	(0°-30°)	2107.1	6.7	B3/2500		
BM	(30°-60°)	5276.3	16.8	B4/8500		
BH	(60°-80°)	2213.3	7.0	B3/2500		G3/2500
BVH	(80°-90°)	130.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2
2.5°	3535.2	3555.2	3550.2	3543.5	3543.5	3545.2	3543.5	3555.2	3566.9	3578.5	3596.8
5°	3571.9	3591.8	3581.8	3573.5	3566.9	3565.2	3560.2	3558.5	3565.2	3580.2	3605.2
7.5°	3643.5	3663.4	3648.5	3633.5	3620.1	3613.5	3606.8	3596.8	3591.8	3600.2	3635.1
10°	3723.4	3743.4	3725.1	3698.4	3676.8	3668.4	3661.8	3651.8	3645.1	3650.1	3688.4
12.5°	3803.3	3823.3	3798.3	3761.7	3733.4	3728.4	3720.1	3716.7	3715.1	3713.4	3751.7
15°	3878.3	3894.9	3863.3	3820.0	3790.0	3781.7	3773.3	3778.3	3786.7	3796.7	3840.0
17.5°	3936.5	3953.2	3906.6	3849.9	3821.6	3818.3	3813.3	3830.0	3853.3	3878.3	3931.5
20°	3989.8	4006.5	3946.5	3869.9	3836.6	3836.6	3838.3	3873.3	3906.6	3943.2	4016.5
22.5°	4064.8	4078.1	4004.8	3899.9	3851.6	3854.9	3868.3	3903.2	3944.9	3994.8	4096.4
25°	4176.3	4186.3	4096.4	3956.5	3901.6	3911.6	3923.2	3939.9	3979.8	4038.1	4174.7
27.5°	4356.2	4364.5	4246.3	4056.4	3973.2	3989.8	4006.5	3994.8	4013.1	4063.1	4237.9
30°	4609.3	4614.3	4464.4	4213.0	4094.7	4103.1	4106.4	4058.1	4023.1	4063.1	4282.9
32.5°	4909.0	4907.3	4729.2	4402.8	4232.9	4224.6	4196.3	4101.4	4019.8	4054.8	4322.9
35°	5373.6	5355.3	5125.5	4669.2	4389.5	4337.8	4271.2	4149.7	4036.4	4046.4	4357.8
37.5°	6142.9	6086.3	5768.3	5105.5	4622.6	4491.0	4392.8	4227.9	4073.1	4043.1	4399.5
40°	7010.5	6938.9	6589.2	5703.3	4972.3	4760.8	4602.6	4339.5	4133.0	4058.1	4461.1
42.5°	8039.6	7938.0	7561.7	6407.7	5415.2	5108.8	4870.7	4481.1	4221.3	4106.4	4544.3
45°	9303.5	9168.6	8635.7	7202.0	5973.1	5565.1	5247.0	4695.9	4356.2	4199.6	4669.2
47.5°	10580.7	10614.0	9856.3	8111.2	6642.5	6127.9	5718.3	5018.9	4552.7	4349.5	4870.7
50°	11937.8	11961.1	11070.3	9118.6	7401.8	6764.0	6247.8	5380.3	4825.8	4562.7	5172.1
52.5°	12996.9	13000.2	12172.6	10172.7	8192.8	7463.4	6819.0	5793.2	5142.1	4845.7	5573.4
55°	13659.6	13651.3	12945.3	11170.2	9102.0	8197.8	7451.8	6262.8	5528.5	5178.8	6078.0
57.5°	14140.9	14115.9	13478.1	12027.8	10071.1	9065.4	8167.8	6795.7	5984.7	5575.1	6742.4
60°	14324.1	14309.1	13839.5	12768.8	11090.2	10024.5	8993.8	7391.8	6502.6	6043.0	7596.6
62.5°	14394.0	14422.3	14194.2	13486.5	12180.9	11086.9	9901.3	8104.5	7085.4	6572.6	8497.5
65°	14640.5	14692.1	14645.4	14425.6	13413.2	12330.8	11105.2	8952.1	7721.5	7140.4	9438.4
67.5°	15128.4	15180.0	15200.0	15549.7	14918.5	13881.1	12607.2	10007.9	8465.9	7729.9	10146.1
70°	15116.7	15101.7	15454.7	16443.9	16803.5	16027.6	14632.1	11306.7	9353.4	8219.4	10236.0
72.5°	13759.6	13639.7	14473.9	16433.9	18372.2	18268.9	17104.9	12981.9	10119.4	8279.4	8882.2
75°	10322.6	10002.9	11476.6	14810.3	18633.6	19541.1	18676.9	14021.0	9937.9	7315.2	6181.2
77.5°	4414.4	4093.1	5829.9	10963.7	16677.0	18267.3	17234.8	12232.6	7933.0	4837.4	3035.7
80°	1155.6	1154.0	1761.8	4970.6	11341.7	13489.8	11834.6	7899.7	4532.7	1728.5	837.6
82.5°	477.9	466.3	647.8	1933.3	5541.8	7570.0	6177.9	3523.6	1636.9	467.9	278.1
85°	178.2	176.5	314.7	667.7	1954.9	3122.3	2259.7	900.9	408.0	228.1	124.9
87.5°	50.0	48.3	68.3	231.5	476.2	722.7	386.3	148.2	114.9	89.9	36.6
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°	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2	3590.2
2.5°	3601.8	3610.2	3625.1	3636.8	3651.8	3668.4	3691.8	3706.7	3721.7	3731.7	3725.1
5°	3616.8	3635.1	3673.4	3711.7	3756.7	3798.3	3846.6	3881.6	3909.9	3918.2	3921.5
7.5°	3650.1	3680.1	3745.0	3810.0	3881.6	3949.9	4019.8	4079.7	4128.0	4146.4	4148.0
10°	3708.4	3748.4	3840.0	3931.5	4026.5	4131.4	4221.3	4307.9	4376.1	4404.5	4406.1
12.5°	3781.7	3831.6	3951.5	4078.1	4209.6	4354.5	4471.1	4577.6	4662.6	4700.9	4700.9
15°	3876.6	3941.5	4094.7	4264.6	4457.7	4659.2	4807.4	4925.7	5020.6	5067.2	5063.9
17.5°	3979.8	4066.4	4259.6	4516.0	4792.4	5057.2	5230.4	5317.0	5415.2	5460.2	5458.5
20°	4079.7	4186.3	4462.7	4835.7	5203.8	5485.2	5625.1	5648.4	5655.0	5660.0	5673.3
22.5°	4183.0	4326.2	4717.5	5238.7	5633.4	5828.2	5848.2	5748.3	5608.4	5543.5	5561.8
25°	4296.2	4486.1	5050.6	5683.3	6003.1	6026.4	5873.2	5630.0	5365.3	5243.7	5262.0
27.5°	4406.1	4670.9	5450.2	6108.0	6269.5	6064.7	5735.0	5390.3	5070.5	4942.3	4957.3
30°	4516.0	4882.4	5891.5	6479.3	6391.0	5969.7	5516.8	5132.2	4810.8	4675.9	4690.9
32.5°	4627.6	5128.8	6399.4	6747.4	6369.4	5768.3	5245.4	4842.4	4559.3	4417.8	4436.1
35°	4754.2	5431.9	6880.6	6893.9	6224.5	5471.9	4887.4	4496.0	4249.6	4136.4	4161.3
37.5°	4919.0	5816.5	7305.2	6930.6	5971.4	5037.2	4442.8	4086.4	3883.2	3831.6	3868.3
40°	5123.8	6279.5	7630.0	6872.3	5596.7	4509.4	3956.5	3671.8	3556.9	3568.5	3608.5
42.5°	5390.3	6797.4	7858.1	6722.4	5075.5	3964.8	3530.2	3403.7	3458.6	3505.2	3548.5
45°	5736.6	7335.2	7999.6	6467.6	4486.1	3503.6	3278.8	3308.8	3350.4	3355.4	3388.7
47.5°	6179.6	7879.7	8092.9	6083.0	3884.9	3178.9	3118.9	3125.6	3117.3	3082.3	3108.9
50°	6732.4	8409.3	8176.1	5573.4	3373.7	2975.7	2895.8	2872.5	2757.6	2644.3	2659.3
52.5°	7361.9	8895.5	8211.1	4940.7	2975.7	2805.9	2676.0	2529.4	2314.6	2279.7	2291.3
55°	8061.2	9345.1	8121.2	4163.0	2641.0	2587.7	2391.2	2214.7	2191.4	2161.4	2166.4
57.5°	8897.2	9829.7	7938.0	3295.4	2298.0	2332.9	2141.4	2161.4	2119.8	2073.2	2064.8
60°	9811.4	10330.9	7616.6	2504.5	1943.3	2014.9	2076.5	2074.8	2063.2	2024.9	2011.6
62.5°	10634.0	10660.6	6983.9	1918.3	1631.9	1768.4	1936.6	1935.0	1925.0	1903.3	1895.0
65°	11123.5	10610.7	5928.1	1510.3	1375.5	1565.3	1746.8	1760.1	1761.8	1760.1	1760.1
67.5°	11037.0	10026.2	4479.4	1202.3	1164.0	1358.8	1558.6	1576.9	1590.3	1593.6	1596.9
70°	10057.8	8742.3	2920.8	959.2	975.8	1177.3	1380.5	1398.8	1410.4	1423.7	1430.4
72.5°	7839.8	6427.7	1671.9	776.0	811.0	1020.8	1203.9	1225.6	1232.2	1257.2	1267.2
75°	4777.5	3780.0	902.5	611.1	666.1	872.6	1029.1	1054.1	1065.7	1095.7	1099.0
77.5°	2271.3	1636.9	514.5	476.2	536.2	712.7	869.2	897.5	865.9	882.6	869.2
80°	767.7	607.8	324.7	363.0	409.6	556.2	696.1	724.4	657.8	654.4	647.8
82.5°	268.1	246.4	206.5	241.5	264.8	398.0	526.2	562.8	489.6	487.9	464.6
85°	104.9	99.9	114.9	131.6	158.2	244.8	346.4	364.7	301.4	243.1	239.8
87.5°	21.6	23.3	28.3	30.0	48.3	84.9	124.9	153.2	121.6	103.2	94.9
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)