

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: P956274

Luminaire Tested: **GALN-SB9A-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33686 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 255.5
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

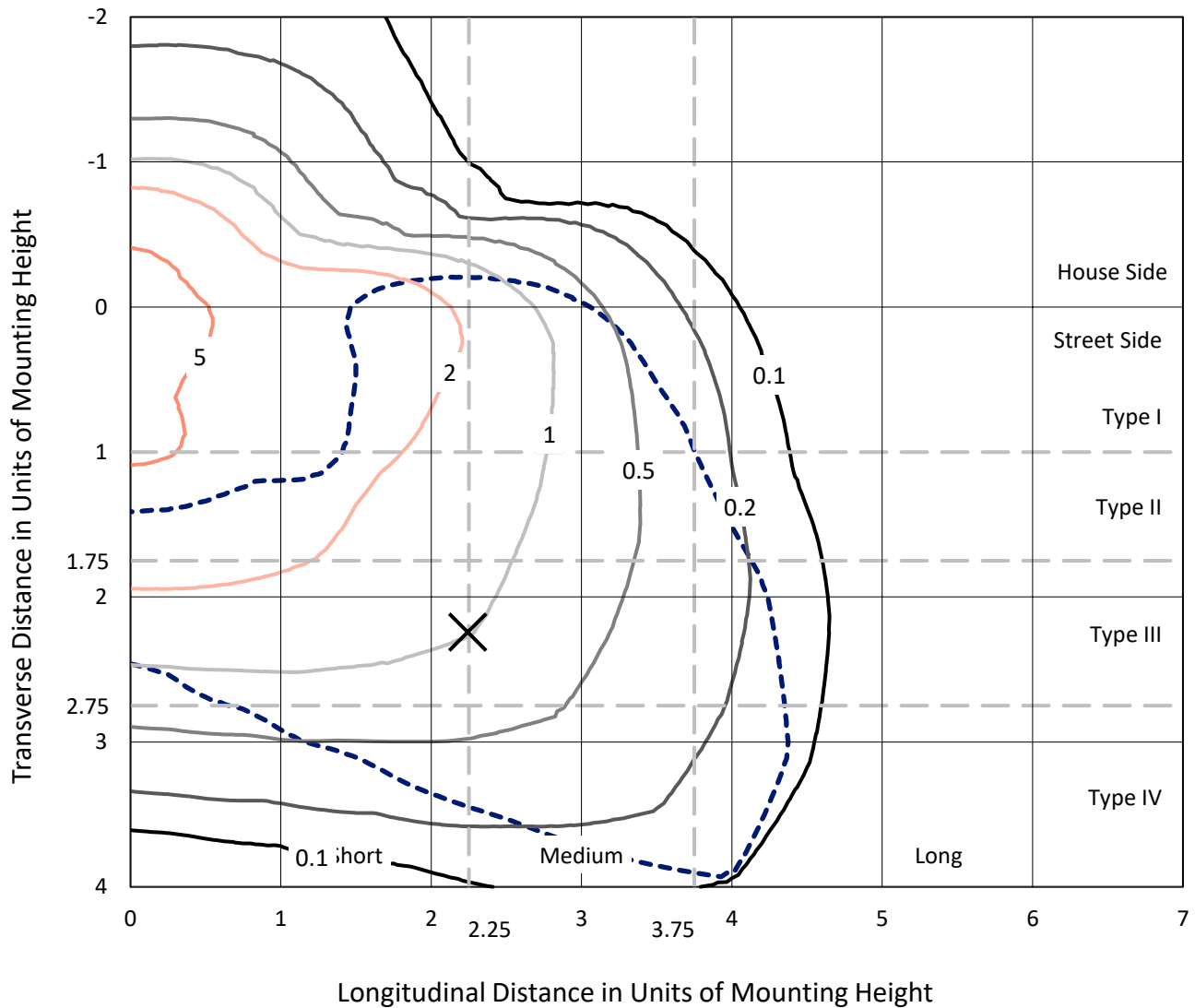


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Iso-Footcandle Lines of Horizontal Illumination

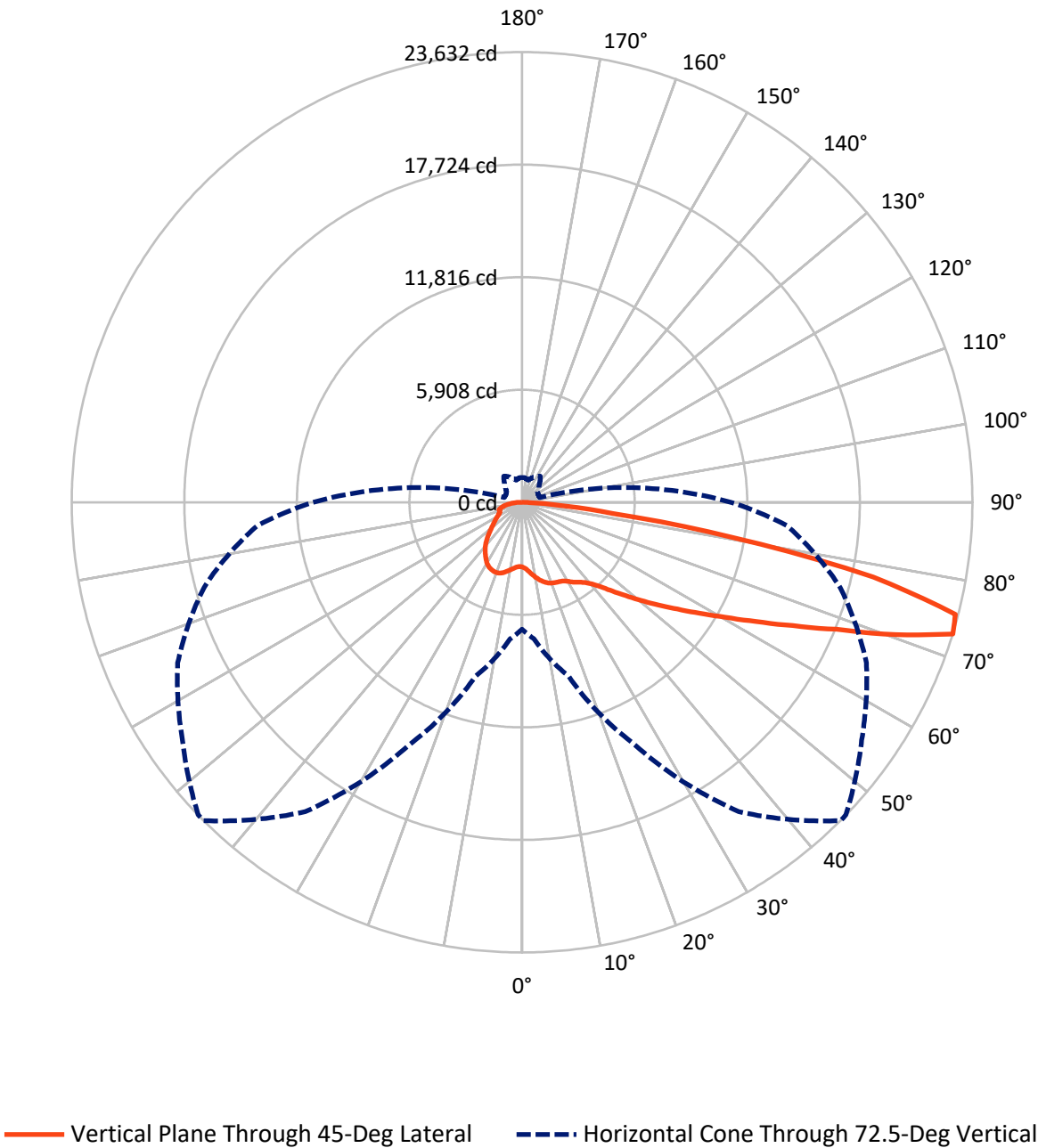
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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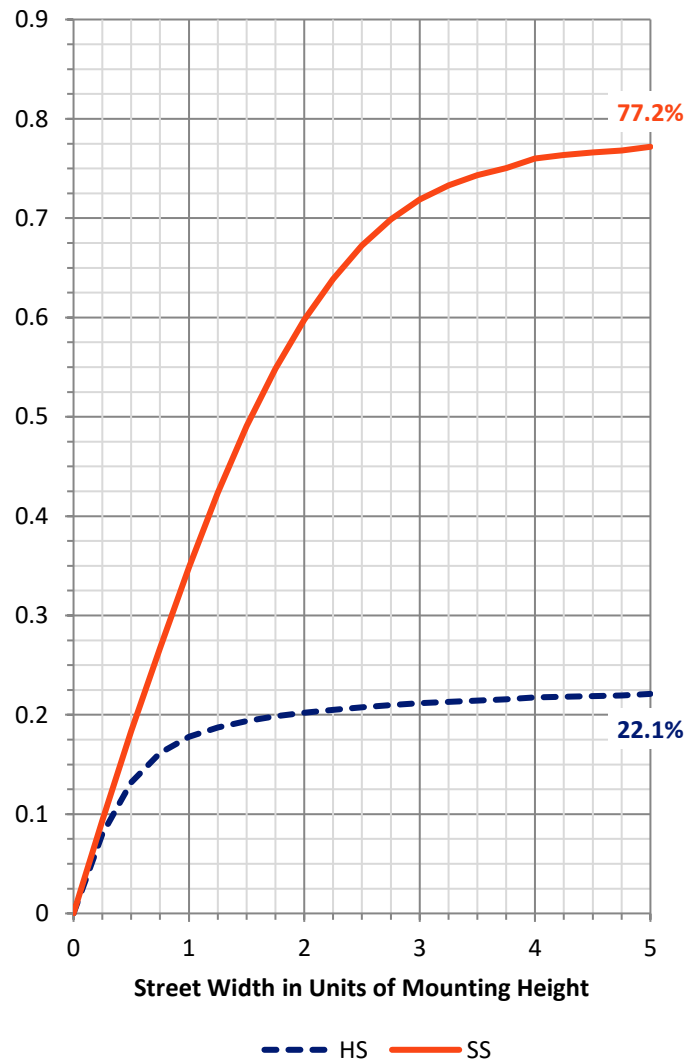
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7615.2	0.0	7615.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	26070.8	0.0	26070.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	33686.0	0.0	33686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	1.0
10°-20°	1153.2	3.4
20°-30°	2006.0	6.0
30°-40°	2875.8	8.5
40°-50°	4049.3	12.0
50°-60°	6202.3	18.4
60°-70°	8984.9	26.7
70°-80°	7175.0	21.3
80°-90°	893.6	2.7
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°	33686.0	100.0
0°-180°	33686.0	100.0

Coefficient of Utilization



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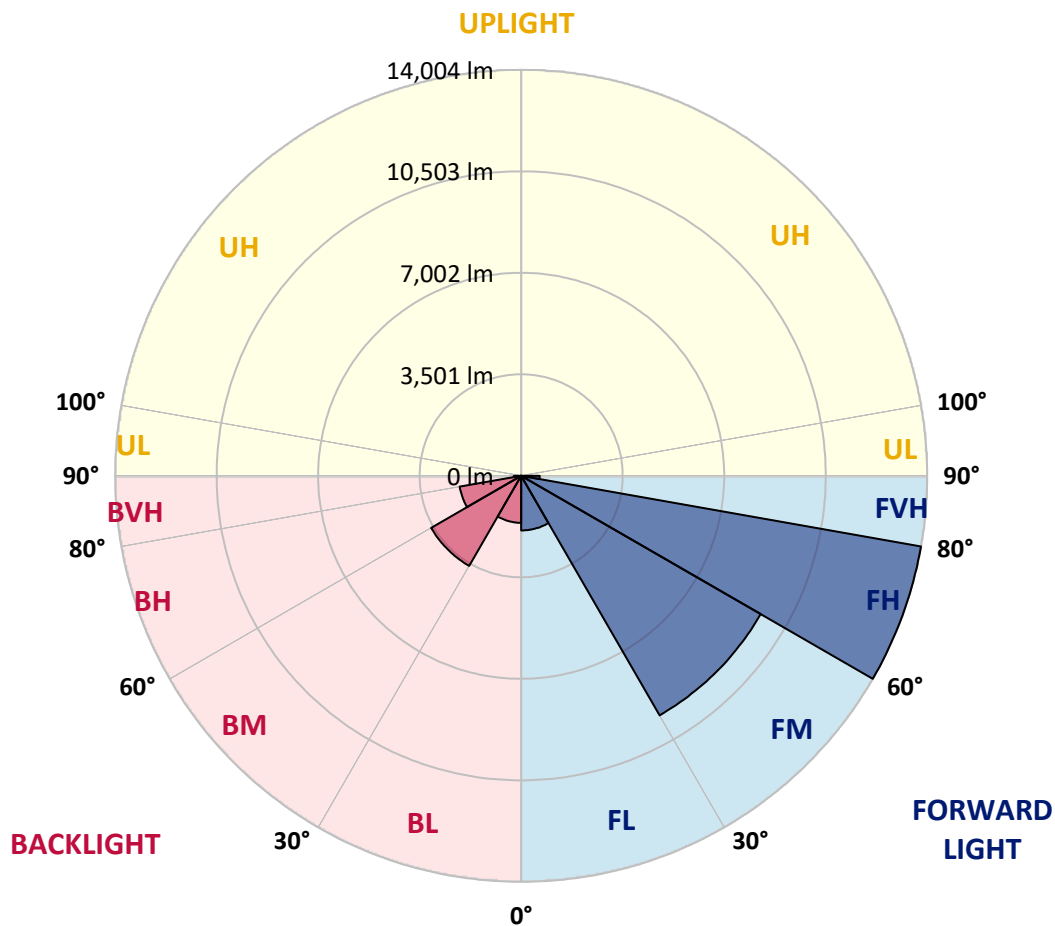
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1883.8	5.6			
FM	(30°-60°)	9541.6	28.3			
FH	(60°-80°)	14004.3	41.6			G5
FVH	(80°-90°)	641.1	1.9			G4/750
BL	(0°-30°)	1621.3	4.8	B3/2500		
BM	(30°-60°)	3585.7	10.6	B3/5000		
BH	(60°-80°)	2155.7	6.4	B3/2500		G3/2500
BVH	(80°-90°)	252.5	0.7			G3/500
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°	45°	46°	55°	65°	75°	85°
0°	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3
2.5°	3531.4	3554.4	3533.1	3513.6	3504.7	3481.7	3479.9	3465.7	3456.8	3432.0	3424.9
5°	3778.0	3808.2	3772.7	3733.7	3698.2	3641.4	3634.3	3593.5	3547.3	3494.1	3463.9
7.5°	4056.6	4083.2	4042.4	3983.9	3921.8	3827.7	3825.9	3751.4	3678.6	3588.1	3536.7
10°	4299.7	4335.2	4280.2	4200.4	4122.3	4015.8	4003.4	3918.2	3825.9	3708.8	3630.7
12.5°	4514.5	4539.3	4486.1	4388.5	4298.0	4191.5	4175.5	4081.5	3978.5	3845.4	3746.1
15°	4684.8	4716.8	4645.8	4541.1	4445.2	4340.5	4326.4	4241.2	4138.2	3998.1	3870.3
17.5°	4796.6	4823.2	4750.5	4633.3	4541.1	4454.1	4443.5	4372.5	4282.0	4140.0	4003.4
20°	4839.2	4867.6	4791.3	4672.4	4587.2	4519.8	4514.5	4463.0	4400.9	4271.3	4132.9
22.5°	4881.8	4908.4	4809.0	4684.8	4610.3	4567.7	4565.9	4532.2	4507.4	4400.9	4266.0
25°	5053.9	5061.0	4927.9	4748.7	4642.2	4605.0	4603.2	4601.4	4612.1	4528.6	4409.8
27.5°	5203.0	5201.2	5087.6	4919.1	4754.0	4675.9	4674.2	4691.9	4725.6	4656.4	4558.8
30°	5421.2	5401.7	5266.9	5091.2	4940.3	4819.7	4809.0	4793.1	4819.7	4764.7	4707.9
32.5°	5884.4	5822.3	5604.0	5291.7	5094.7	5002.5	4988.3	4888.9	4899.5	4865.8	4837.4
35°	6548.1	6466.5	6175.4	5671.5	5286.4	5155.1	5148.0	5022.0	5000.7	4970.5	4981.2
37.5°	7337.8	7236.6	6897.7	6221.6	5616.4	5332.5	5321.9	5208.3	5121.3	5089.4	5149.7
40°	8131.0	8003.2	7722.8	6892.3	6102.7	5628.9	5595.2	5423.0	5323.6	5270.4	5398.2
42.5°	8901.1	8794.7	8555.1	7644.8	6702.5	6061.9	5987.3	5692.8	5618.2	5568.5	5799.2
45°	9582.6	9486.7	9311.1	8448.6	7405.2	6651.0	6578.3	6097.4	6074.3	6074.3	6407.9
47.5°	10136.2	10114.9	9928.6	9268.5	8233.9	7321.8	7195.8	6659.9	6722.0	6817.8	7272.1
50°	10750.2	10691.7	10492.9	10075.9	9208.1	8090.2	7987.2	7350.2	7582.6	7845.3	8521.4
52.5°	11314.5	11346.5	11124.6	10917.0	10308.4	8947.3	8766.3	8164.7	8666.9	9101.7	9985.4
55°	11894.8	11896.6	11834.5	11806.1	11461.8	9894.9	9696.1	9144.3	9942.8	10482.3	11692.5
57.5°	12439.6	12443.1	12535.4	12785.6	12799.8	10988.0	10762.6	10347.4	11360.7	11910.8	13452.9
60°	12925.8	12950.7	13202.6	13788.2	13976.3	12240.8	12027.9	11768.8	12826.4	13380.1	15303.7
62.5°	13089.1	13179.6	13740.3	14572.6	15138.7	13777.6	13568.2	13413.8	14366.8	14881.4	16851.1
65°	12812.2	13019.9	14104.1	15220.3	16334.7	15603.6	15396.0	15227.4	15967.4	16451.8	18121.7
67.5°	12132.6	12400.5	14082.8	15900.0	17786.3	17800.5	17607.1	17211.4	17683.4	17869.7	18535.2
70°	10342.1	10743.1	12842.4	16153.7	19452.6	20804.8	20618.5	19599.9	19395.8	18494.4	17371.1
72.5°	6663.4	7202.9	9456.6	14065.1	19823.5	23631.7	23621.0	21756.0	19937.1	17280.6	13932.0
75°	2431.1	2761.2	4393.8	8828.4	16639.9	23487.9	23557.1	21386.9	18199.8	13348.2	8679.3
77.5°	885.5	968.9	1433.8	3392.9	10233.8	18845.7	18989.5	17097.8	12954.2	6698.9	3439.1
80°	464.9	511.1	734.7	1316.7	4384.9	11192.1	11417.4	10161.1	6088.5	2017.7	1031.0
82.5°	257.3	278.6	411.7	715.1	1975.1	4786.0	4920.8	4014.0	2141.9	855.3	425.9
85°	138.4	147.3	193.4	390.4	965.4	1659.2	1696.5	1199.6	853.6	502.2	205.8
87.5°	40.8	49.7	63.9	124.2	378.0	372.7	381.5	237.8	337.2	253.8	67.4
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°	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3	3398.3
2.5°	3414.2	3408.9	3389.4	3380.5	3369.9	3368.1	3377.0	3378.7	3380.5	3382.3	3389.4
5°	3446.2	3428.4	3410.7	3400.0	3403.6	3405.4	3423.1	3435.5	3444.4	3451.5	3455.0
7.5°	3508.3	3494.1	3463.9	3462.1	3467.5	3483.4	3506.5	3534.9	3550.9	3563.3	3566.8
10°	3600.6	3573.9	3538.5	3543.8	3554.4	3577.5	3625.4	3648.5	3675.1	3698.2	3692.8
12.5°	3694.6	3671.5	3630.7	3634.3	3652.0	3692.8	3739.0	3767.4	3785.1	3802.9	3810.0
15°	3817.1	3776.2	3731.9	3731.9	3763.8	3808.2	3829.5	3852.5	3863.2	3882.7	3889.8
17.5°	3943.0	3889.8	3831.3	3827.7	3866.7	3888.0	3900.5	3904.0	3907.6	3928.9	3936.0
20°	4069.0	4010.5	3927.1	3920.0	3928.9	3925.3	3923.5	3920.0	3925.3	3951.9	3962.6
22.5°	4193.3	4125.8	4010.5	3978.5	3953.7	3920.0	3918.2	3916.4	3920.0	3946.6	3964.3
25°	4338.8	4257.1	4102.8	4006.9	3923.5	3877.4	3882.7	3884.5	3888.0	3909.3	3937.7
27.5°	4496.7	4406.2	4187.9	3998.1	3847.2	3815.3	3806.4	3811.7	3824.2	3857.9	3891.6
30°	4654.6	4548.2	4266.0	3962.6	3751.4	3707.0	3678.6	3691.1	3730.1	3763.8	3801.1
32.5°	4798.4	4691.9	4328.1	3884.5	3629.0	3559.7	3522.5	3538.5	3577.5	3589.9	3634.3
35°	4967.0	4846.3	4354.7	3760.3	3495.9	3389.4	3339.7	3316.6	3336.2	3323.7	3362.8
37.5°	5155.1	5029.1	4351.2	3597.0	3339.7	3217.3	3148.1	3061.1	3020.3	2977.7	3004.3
40°	5433.7	5252.7	4308.6	3400.0	3146.3	3034.5	2910.3	2763.0	2670.7	2587.3	2592.6
42.5°	5813.4	5563.2	4230.5	3183.5	2928.0	2823.3	2654.7	2482.6	2337.1	2198.7	2186.2
45°	6379.5	5969.6	4132.9	2952.8	2692.0	2589.1	2406.3	2212.9	2047.8	1870.4	1849.1
47.5°	7195.8	6516.1	4040.6	2690.2	2443.6	2349.5	2184.5	2005.2	1810.0	1637.9	1618.4
50°	8317.3	7300.5	3955.5	2434.7	2198.7	2127.7	1996.4	1813.6	1616.6	1478.2	1469.3
52.5°	9744.0	8367.0	3920.0	2188.0	1969.7	1943.1	1838.4	1668.1	1481.7	1364.6	1355.8
55°	11382.0	9642.9	3920.0	1952.0	1769.2	1778.1	1705.3	1547.4	1385.9	1281.2	1270.6
57.5°	13053.6	10934.8	3849.0	1733.7	1598.9	1636.1	1590.0	1451.6	1306.1	1197.8	1180.1
60°	14593.9	12017.2	3561.5	1535.0	1448.0	1506.6	1476.4	1357.5	1180.1	1089.6	1075.4
62.5°	15777.5	12627.7	3007.9	1377.1	1323.8	1391.2	1375.3	1233.3	1157.0	1119.7	1107.3
65°	16370.2	12528.3	2299.8	1236.9	1219.1	1323.8	1290.1	1284.8	1224.4	1181.8	1167.7
67.5°	16006.4	11673.0	1668.1	1133.9	1158.8	1261.7	1391.2	1412.5	1300.7	1217.3	1203.1
70°	14411.1	10125.6	1242.2	1036.3	1082.5	1263.5	1586.4	1478.2	1275.9	1178.3	1162.3
72.5°	10963.2	7550.7	963.6	933.4	983.1	1272.4	1673.4	1448.0	1204.9	1302.5	1291.9
75°	6269.5	4145.3	773.7	807.4	858.9	1188.9	1629.0	1370.0	1149.9	1196.0	1196.0
77.5°	2390.3	1593.5	638.8	683.2	690.3	1038.1	1558.1	1364.6	1094.9	1068.3	974.2
80°	828.7	622.9	528.8	543.0	534.1	922.8	1494.2	1187.2	896.1	802.1	775.5
82.5°	338.9	310.5	418.8	401.0	379.8	716.9	1206.7	970.7	732.9	647.7	640.6
85°	147.3	197.0	276.8	243.1	220.0	496.9	967.1	821.6	619.3	534.1	532.4
87.5°	30.2	74.5	117.1	110.0	113.6	331.8	686.8	583.8	438.3	328.3	257.3
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)