

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: P952343

Luminaire Tested: **GALN-SB6B-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28586 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

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



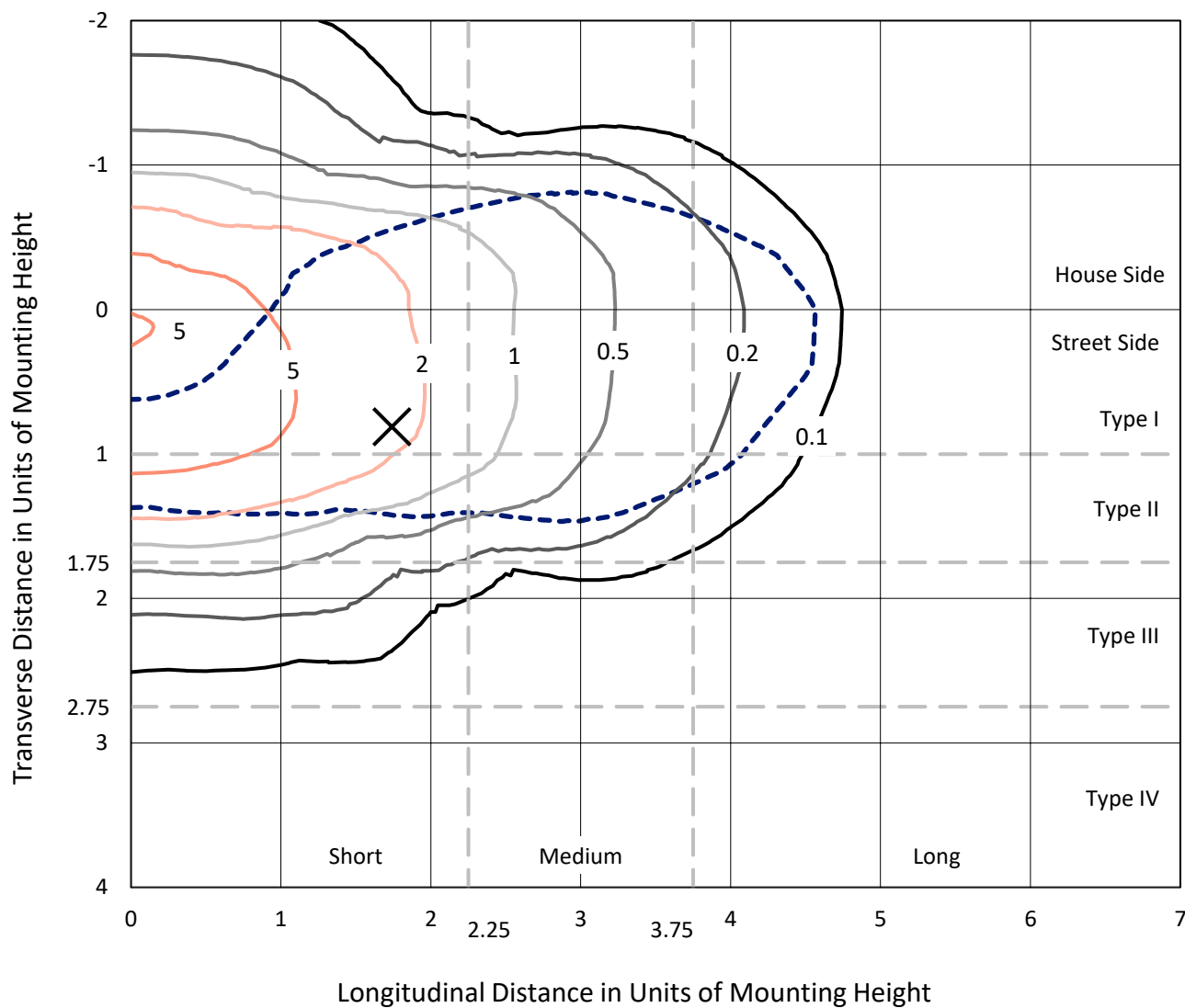
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Iso-Footcandle Lines of Horizontal Illumination

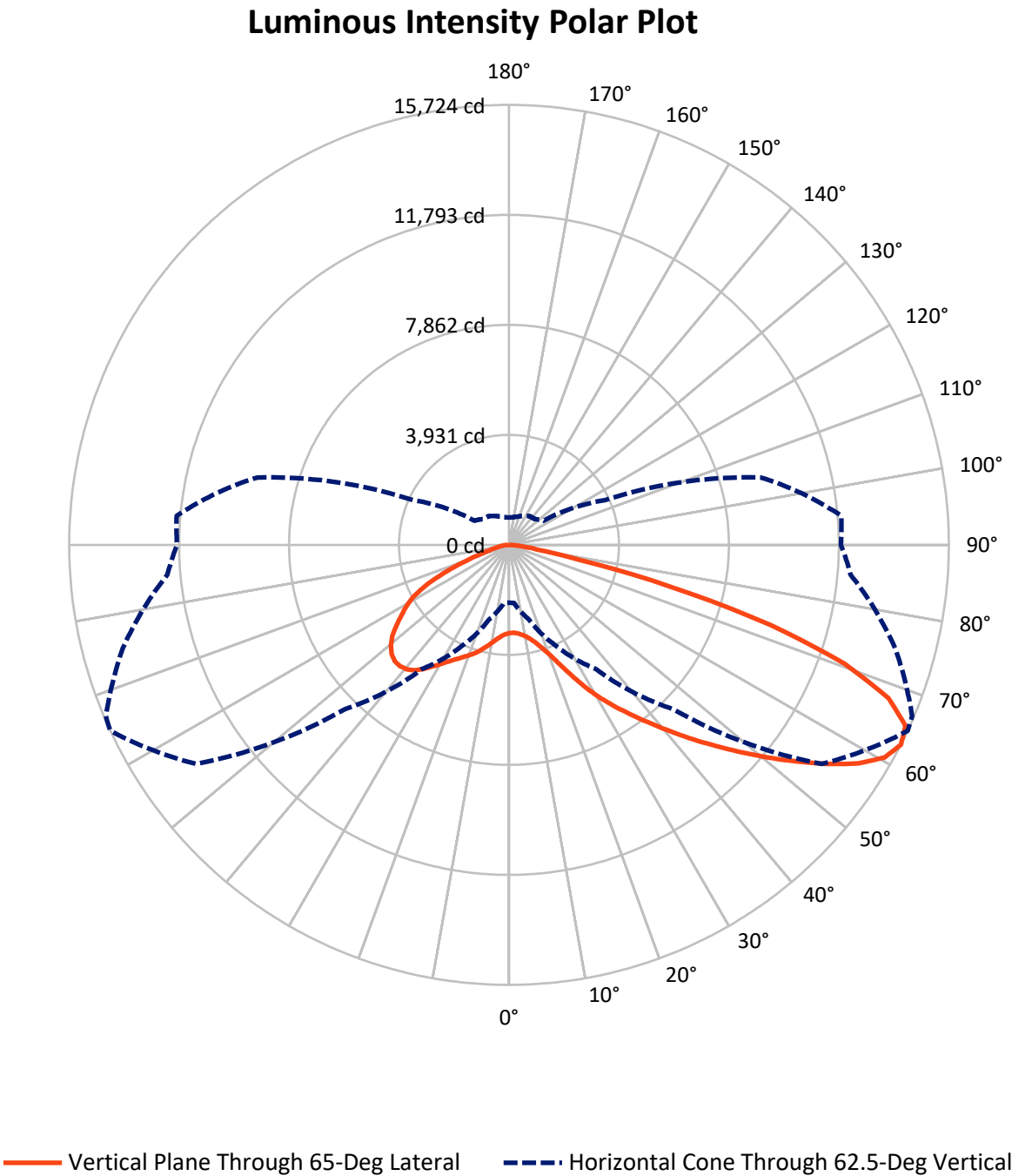
✕ Max cd

--- 1/2 Max cd



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

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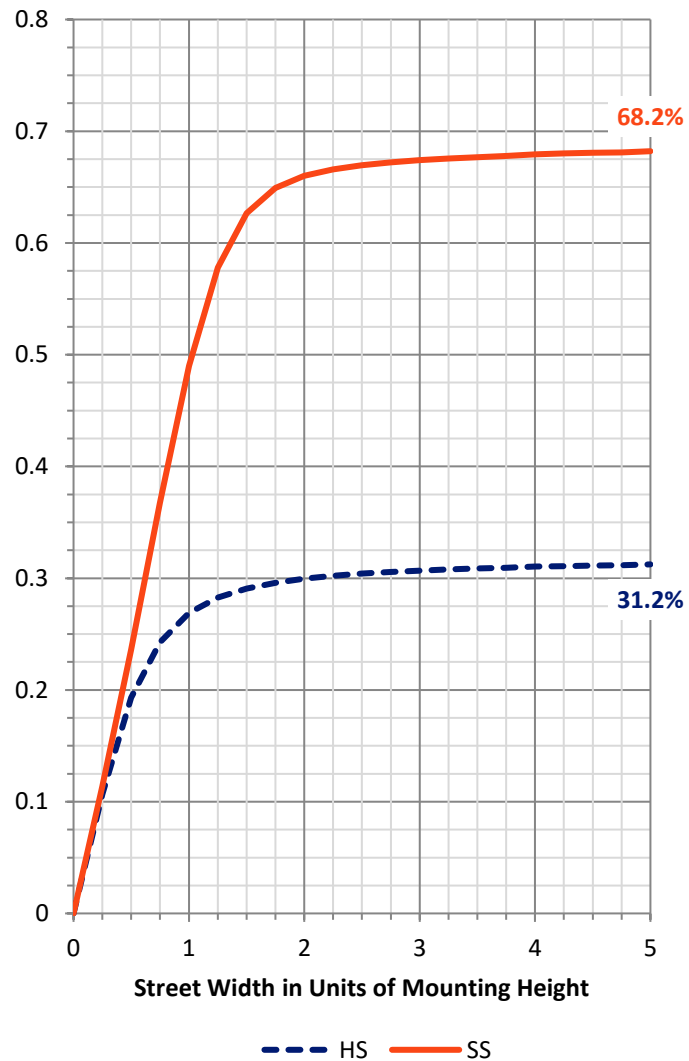
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9020.5	0.0	9020.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	19565.5	0.0	19565.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	28586.0	0.0	28586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.1	1.1
10°-20°	1065.0	3.7
20°-30°	2159.4	7.6
30°-40°	3736.8	13.1
40°-50°	5654.9	19.8
50°-60°	6630.0	23.2
60°-70°	5558.5	19.4
70°-80°	3068.7	10.7
80°-90°	398.6	1.4
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°	28586.0	100.0
0°-180°	28586.0	100.0

Coefficient of Utilization



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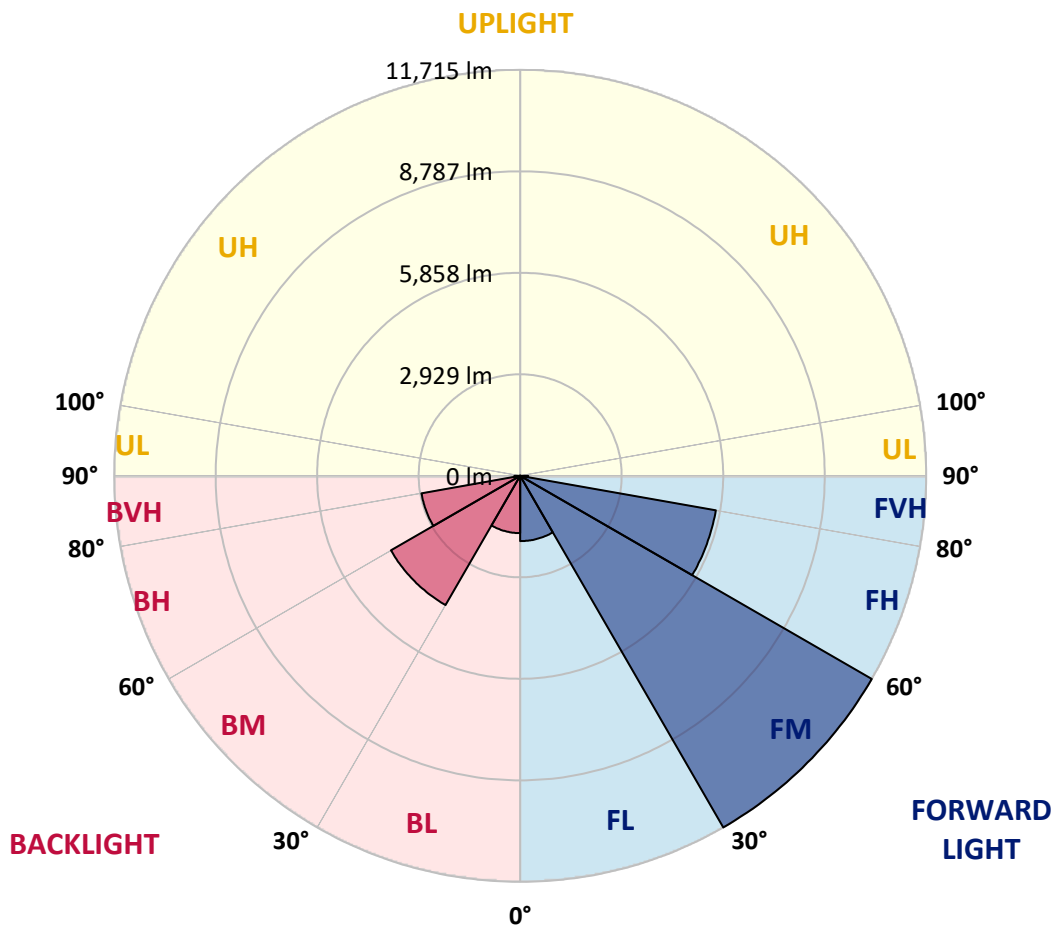
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1884.2	6.6			
FM	(30°-60°)	11715.5	41.0			
FH	(60°-80°)	5733.5	20.1			G3/7500
FVH	(80°-90°)	232.3	0.8			G3/500
BL	(0°-30°)	1654.3	5.8	B3/2500		
BM	(30°-60°)	4306.3	15.1	B3/5000		
BH	(60°-80°)	2893.7	10.1	B4/5000		G4/5000
BVH	(80°-90°)	166.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1
2.5°	3129.3	3120.4	3127.8	3127.8	3130.8	3129.3	3139.7	3142.6	3147.1	3156.0	3156.0
5°	3098.1	3096.7	3110.0	3121.9	3133.7	3144.1	3157.5	3176.7	3179.7	3190.1	3203.4
7.5°	3087.8	3078.9	3099.6	3114.5	3142.6	3167.9	3203.4	3236.1	3249.4	3253.9	3279.1
10°	3167.9	3153.0	3172.3	3181.2	3204.9	3230.1	3271.7	3323.6	3338.4	3356.2	3384.4
12.5°	3304.3	3288.0	3316.2	3329.5	3351.8	3374.0	3402.2	3452.6	3460.0	3492.6	3519.3
15°	3491.2	3471.9	3489.7	3506.0	3543.1	3563.8	3592.0	3641.0	3641.0	3666.2	3685.4
17.5°	3744.8	3719.6	3732.9	3738.8	3762.6	3793.7	3841.2	3884.2	3906.4	3897.5	3870.8
20°	4123.0	4091.8	4091.8	4062.1	4053.2	4078.5	4140.7	4200.1	4223.8	4177.8	4112.6
22.5°	4691.0	4646.5	4621.3	4520.4	4480.4	4483.3	4545.6	4618.3	4637.6	4556.0	4409.2
25°	5413.2	5343.5	5309.4	5161.1	5070.6	4992.0	5041.0	5134.4	5161.1	5060.3	4823.0
27.5°	6135.5	6139.9	6107.3	5929.3	5779.5	5635.7	5610.5	5708.4	5736.5	5622.3	5328.7
30°	7148.4	7043.1	6980.8	6767.3	6553.7	6352.0	6248.2	6288.2	6295.7	6159.2	5818.1
32.5°	8022.0	7995.3	7861.8	7674.9	7400.5	7084.7	6911.1	6847.4	6835.5	6641.2	6236.3
35°	9017.1	9002.3	8861.4	8638.9	8342.3	7903.3	7590.4	7408.0	7393.1	7120.2	6650.1
37.5°	10028.6	10028.6	9890.6	9647.4	9340.4	8791.7	8315.6	8026.4	7978.9	7623.0	7071.3
40°	10835.4	10786.4	10811.6	10709.3	10357.8	9775.0	9120.9	8701.2	8637.4	8210.3	7519.2
42.5°	11293.6	11277.3	11428.6	11542.8	11398.9	10933.2	10007.8	9432.4	9343.4	8856.9	8035.3
45°	11396.0	11378.2	11648.1	12066.3	12268.0	12076.7	10971.8	10202.1	10093.8	9533.2	8588.5
47.5°	11160.1	11124.6	11520.5	12180.5	12827.1	13163.8	12015.9	11037.1	10879.8	10191.7	9156.5
50°	10451.2	10417.1	11016.3	11892.8	13015.5	13902.4	13149.0	11922.4	11682.2	10897.6	9730.5
52.5°	8910.3	8926.6	9865.4	11069.7	12767.8	14362.1	14124.8	12855.3	12566.1	11619.9	10268.8
55°	6940.8	6976.4	8130.2	9456.1	11777.1	14292.4	14790.7	13816.3	13528.6	12299.1	10825.0
57.5°	4969.8	5127.0	6208.2	7520.7	9874.3	13187.5	14936.1	14729.9	14451.1	13040.7	11369.3
60°	3221.2	3249.4	4361.7	5684.6	7519.2	11223.9	14640.9	15422.5	15204.5	13797.1	11824.6
62.5°	2064.4	2083.7	2761.5	3976.1	5411.7	8303.7	13647.3	15723.6	15656.8	14296.9	12262.1
65°	1517.2	1502.4	1855.3	2628.0	3645.4	5121.1	11717.8	15578.2	15710.2	14609.8	12623.9
67.5°	1266.5	1245.8	1419.3	1819.7	2685.9	2908.3	8670.1	14633.5	15117.0	14574.2	12889.4
70°	1153.8	1136.0	1241.3	1351.1	2095.6	1947.3	4370.6	12721.8	13466.3	14169.3	12846.4
72.5°	977.3	946.2	1090.1	1199.8	1629.9	1493.5	1806.4	9772.0	10679.6	12871.6	12241.3
75°	757.9	737.1	860.2	1056.0	1225.0	1165.7	1142.0	5933.8	6924.5	9954.4	10709.3
77.5°	600.6	572.5	685.2	823.1	1101.9	879.5	832.0	2555.3	3537.1	6355.0	8013.1
80°	452.3	427.1	520.6	651.1	846.8	662.9	538.4	1042.6	1333.3	3219.8	4029.5
82.5°	321.8	299.6	363.4	477.6	569.5	594.7	330.7	584.3	657.0	1241.3	900.2
85°	206.1	192.8	243.2	299.6	361.9	382.6	201.7	305.5	335.2	511.7	375.2
87.5°	112.7	92.0	130.5	139.4	167.6	152.8	96.4	111.2	120.1	185.4	158.7
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°	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1	3150.1
2.5°	3161.9	3166.4	3181.2	3185.6	3196.0	3209.4	3218.3	3227.2	3227.2	3236.1	3236.1
5°	3204.9	3215.3	3246.5	3262.8	3289.5	3316.2	3332.5	3351.8	3363.6	3369.5	3372.5
7.5°	3288.0	3304.3	3348.8	3377.0	3422.9	3460.0	3485.2	3511.9	3517.9	3534.2	3528.2
10°	3400.7	3420.0	3470.4	3523.8	3578.7	3624.6	3648.4	3667.6	3675.1	3678.0	3670.6
12.5°	3529.7	3557.9	3623.2	3688.4	3746.2	3786.3	3792.2	3787.8	3767.0	3749.2	3749.2
15°	3688.4	3713.6	3786.3	3857.5	3913.8	3921.3	3884.2	3860.4	3835.2	3830.8	3830.8
17.5°	3878.2	3891.6	3958.3	4028.0	4032.5	4007.3	3952.4	3930.2	3906.4	3890.1	3891.6
20°	4099.2	4094.8	4142.2	4171.9	4140.7	4063.6	3980.6	3943.5	3919.8	3900.5	3902.0
22.5°	4363.2	4329.1	4323.2	4315.8	4232.7	4071.0	3958.3	3910.9	3873.8	3847.1	3856.0
25°	4747.3	4616.8	4526.3	4475.9	4289.1	4031.0	3887.1	3781.8	3712.1	3666.2	3684.0
27.5°	5227.8	5008.3	4780.0	4656.9	4289.1	3949.4	3715.1	3544.6	3430.4	3382.9	3406.6
30°	5686.1	5456.2	5119.6	4874.9	4278.7	3816.0	3437.8	3200.5	3067.0	3019.5	3047.7
32.5°	6077.6	5827.0	5480.0	5113.6	4253.5	3599.4	3093.7	2831.2	2702.2	2645.8	2674.0
35°	6441.0	6174.0	5841.8	5376.2	4186.7	3282.0	2715.5	2515.3	2371.4	2281.0	2310.6
37.5°	6813.3	6495.9	6184.4	5613.4	4066.6	2911.3	2424.8	2254.3	2085.2	1963.6	1996.2
40°	7218.1	6838.5	6550.7	5754.3	3869.3	2558.3	2199.4	2043.7	1864.2	1735.2	1760.4
42.5°	7691.2	7249.3	6958.6	5827.0	3599.4	2307.7	2052.6	1899.8	1730.7	1625.5	1646.2
45°	8185.1	7701.6	7330.8	5825.5	3298.4	2190.5	2005.1	1853.8	1667.0	1557.2	1575.0
47.5°	8702.7	8174.7	7652.7	5730.6	3037.3	2206.8	1978.4	1754.5	1548.3	1441.5	1456.4
50°	9221.8	8692.3	7964.1	5552.6	2926.1	2171.2	1879.1	1615.1	1371.8	1275.4	1281.4
52.5°	9736.4	9242.5	8232.6	5299.0	2813.4	2039.2	1751.5	1434.1	1299.2	1232.4	1232.4
55°	10254.0	9786.8	8524.7	4929.7	2531.6	1885.0	1537.9	1365.9	1241.3	1180.5	1174.6
57.5°	10773.1	10415.6	8802.1	4560.5	2177.2	1695.2	1420.8	1282.9	1183.5	1131.6	1122.7
60°	11312.9	11134.9	9088.3	4220.8	1827.1	1451.9	1334.8	1216.1	1115.3	1057.4	1053.0
62.5°	11869.1	11926.9	9312.2	3783.3	1505.3	1303.6	1257.6	1136.0	1038.2	983.3	981.8
65°	12429.7	12690.7	9459.1	3176.7	1220.6	1162.7	1174.6	1048.5	949.2	901.7	900.2
67.5°	12852.3	13240.9	9417.5	2404.1	1001.1	1029.3	1070.8	956.6	863.2	826.1	827.6
70°	12899.8	13175.6	9008.2	1646.2	837.9	898.7	955.1	866.1	769.7	743.0	744.5
72.5°	12268.0	12285.8	7867.7	1075.2	708.9	789.0	833.5	774.2	680.7	654.0	652.6
75°	10611.4	10160.6	5776.6	708.9	593.2	677.8	719.3	677.8	587.3	593.2	572.5
77.5°	8039.8	7195.9	3507.5	504.2	495.3	569.5	625.9	596.2	519.1	582.8	513.1
80°	4142.2	3893.1	1564.6	376.7	391.5	455.3	514.6	476.1	410.8	391.5	357.4
82.5°	949.2	1103.4	617.0	269.9	283.3	327.8	393.0	357.4	295.1	249.2	246.2
85°	332.2	363.4	272.9	169.1	166.1	204.7	267.0	238.8	200.2	160.2	169.1
87.5°	105.3	137.9	102.3	68.2	71.2	92.0	123.1	112.7	93.4	60.8	63.8
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)