

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: P951276

Luminaire Tested: **GALN-SB5C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951276
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-SB5C-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31190 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

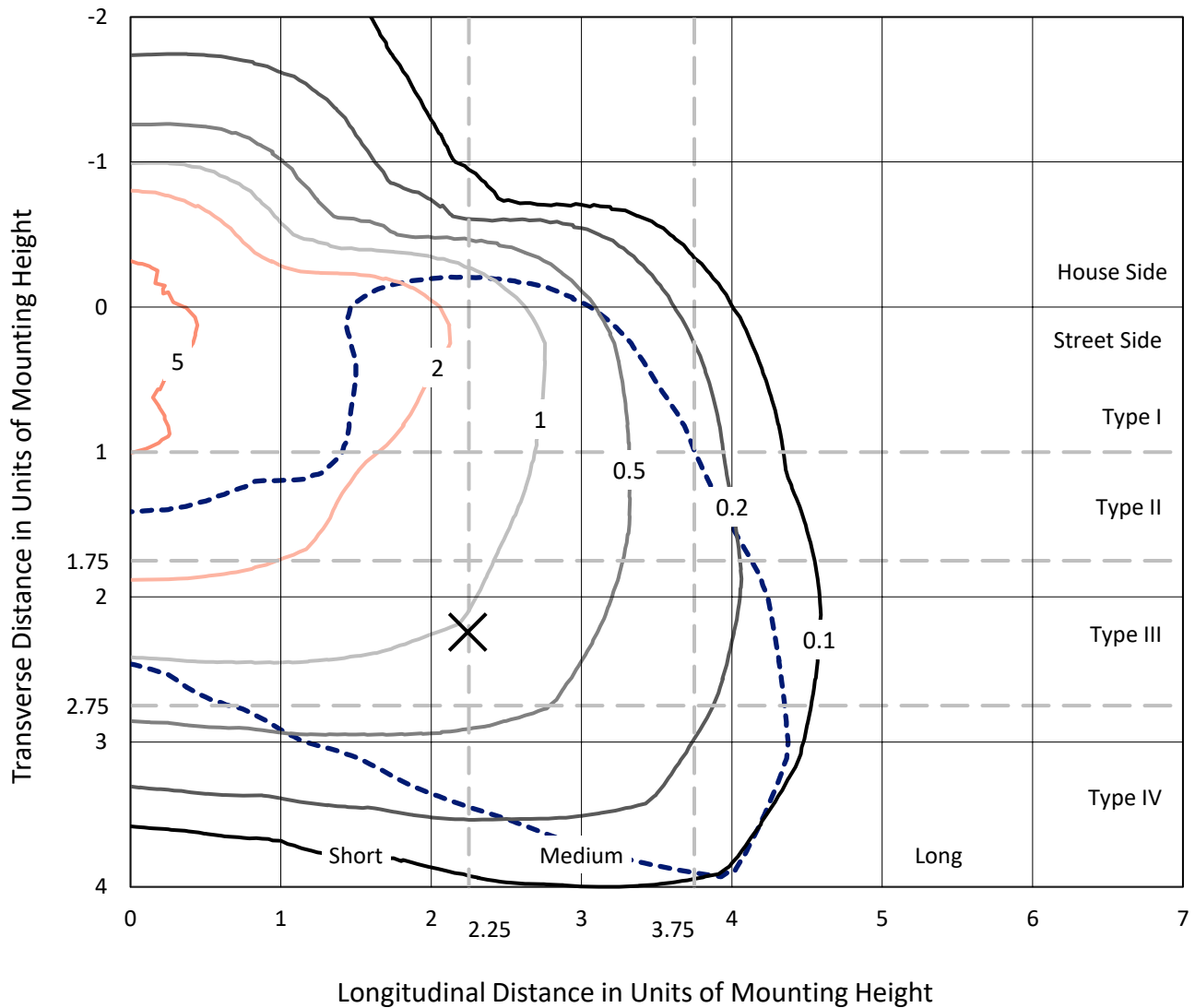
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

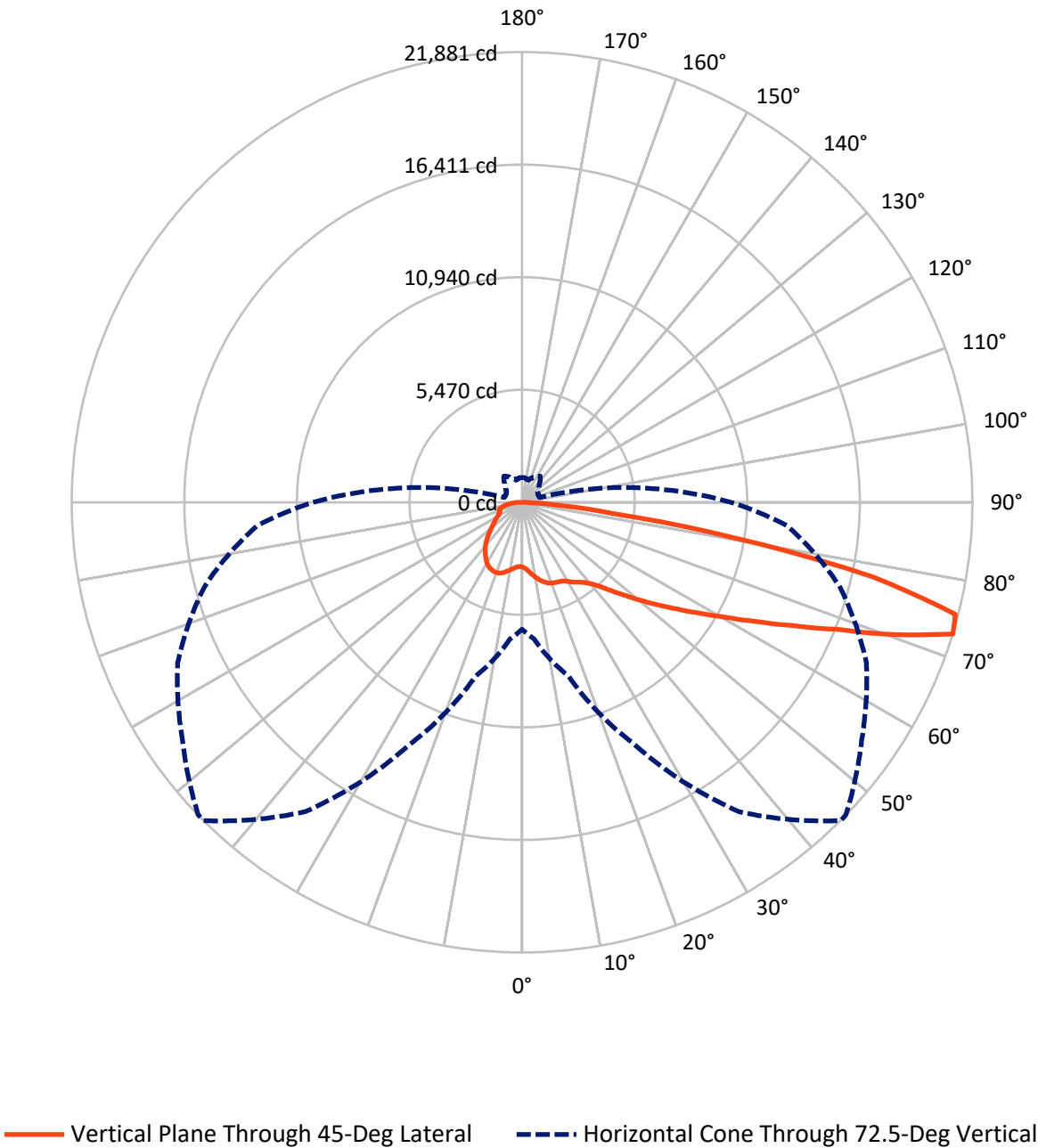
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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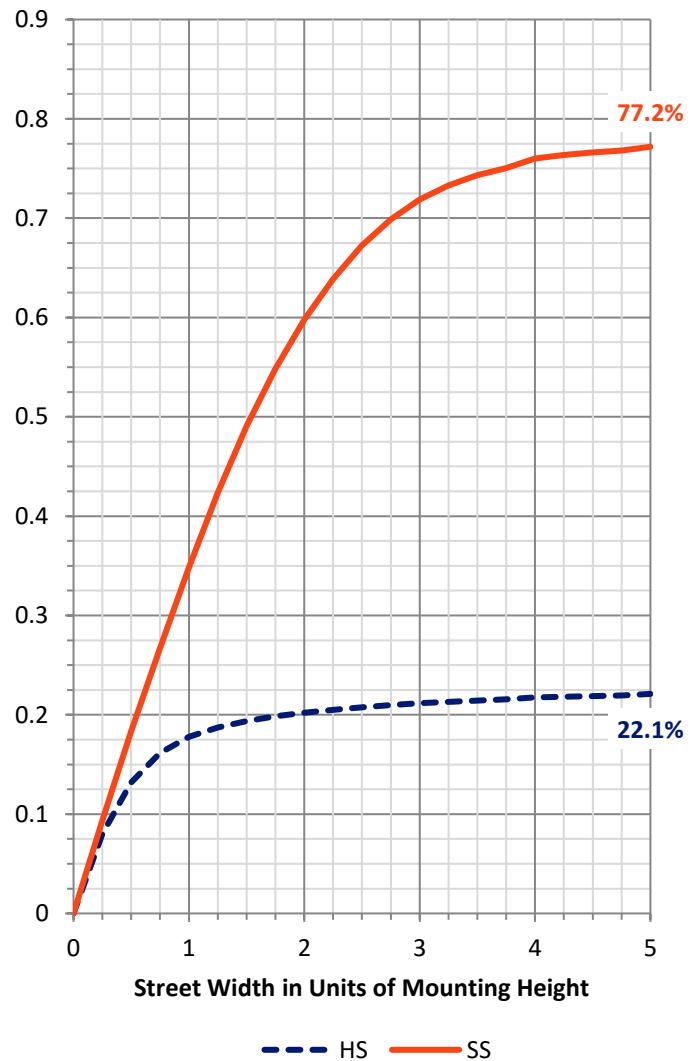
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7051.0	0.0	7051.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	24139.0	0.0	24139.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	31190.0	0.0	31190.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.2	1.0
10°-20°	1067.7	3.4
20°-30°	1857.4	6.0
30°-40°	2662.7	8.5
40°-50°	3749.2	12.0
50°-60°	5742.7	18.4
60°-70°	8319.2	26.7
70°-80°	6643.4	21.3
80°-90°	827.4	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°	31190.0	100.0
0°-180°	31190.0	100.0

Coefficient of Utilization



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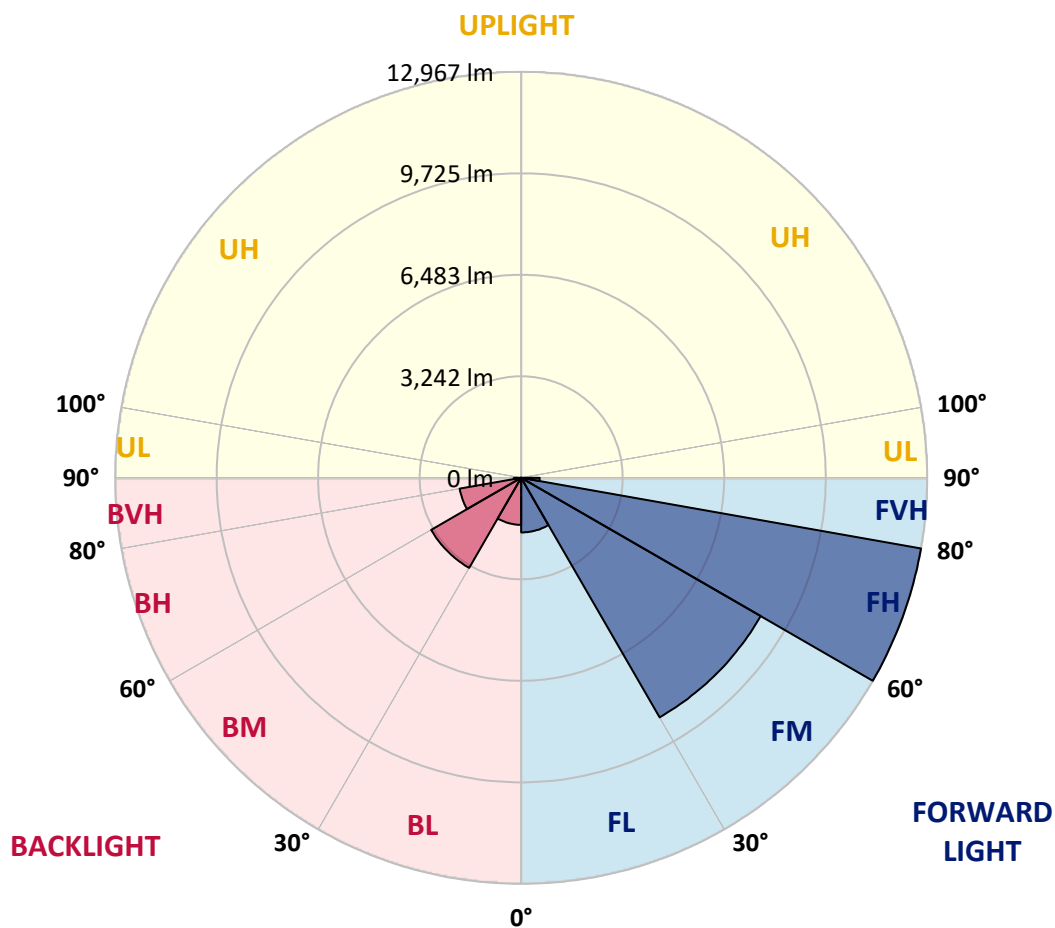
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1744.2	5.6			
FM	(30°-60°)	8834.6	28.3			
FH	(60°-80°)	12966.6	41.6			G5
FVH	(80°-90°)	593.6	1.9			G4/750
BL	(0°-30°)	1501.2	4.8	B3/2500		
BM	(30°-60°)	3320.0	10.6	B3/5000		
BH	(60°-80°)	1995.9	6.4	B3/2500		G3/2500
BVH	(80°-90°)	233.8	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°	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5
2.5°	3269.7	3291.1	3271.3	3253.3	3245.0	3223.7	3222.0	3208.9	3200.7	3177.7	3171.1
5°	3498.1	3526.0	3493.2	3457.0	3424.1	3371.6	3365.0	3327.2	3284.5	3235.2	3207.3
7.5°	3756.0	3780.7	3742.9	3688.7	3631.2	3544.1	3542.4	3473.4	3406.1	3322.3	3274.6
10°	3981.1	4014.0	3963.1	3889.1	3816.8	3718.2	3706.7	3627.9	3542.4	3434.0	3361.7
12.5°	4179.9	4203.0	4153.7	4063.3	3979.5	3880.9	3866.1	3779.0	3683.7	3560.5	3468.5
15°	4337.7	4367.3	4301.5	4204.6	4115.9	4018.9	4005.8	3926.9	3831.6	3701.8	3583.5
17.5°	4441.2	4465.8	4398.5	4290.0	4204.6	4124.1	4114.2	4048.5	3964.7	3833.3	3706.7
20°	4480.6	4506.9	4436.3	4326.2	4247.3	4184.9	4179.9	4132.3	4074.8	3954.9	3826.7
22.5°	4520.1	4544.7	4452.7	4337.7	4268.7	4229.2	4227.6	4196.4	4173.4	4074.8	3949.9
25°	4679.4	4686.0	4562.8	4396.8	4298.3	4263.7	4262.1	4260.5	4270.3	4193.1	4083.0
27.5°	4817.5	4815.8	4710.7	4554.6	4401.8	4329.5	4327.8	4344.3	4375.5	4311.4	4221.0
30°	5019.6	5001.5	4876.6	4713.9	4574.3	4462.6	4452.7	4437.9	4462.6	4411.6	4359.0
32.5°	5448.4	5390.9	5188.8	4899.6	4717.2	4631.8	4618.6	4526.6	4536.5	4505.3	4479.0
35°	6062.9	5987.3	5717.9	5251.2	4894.7	4773.1	4766.5	4649.9	4630.1	4602.2	4612.1
37.5°	6794.1	6700.4	6386.6	5760.6	5200.3	4937.4	4927.5	4822.4	4741.9	4712.3	4768.2
40°	7528.5	7410.2	7150.6	6381.7	5650.5	5211.8	5180.6	5021.2	4929.2	4879.9	4998.2
42.5°	8241.6	8143.0	7921.2	7078.3	6205.8	5612.7	5543.7	5270.9	5201.9	5155.9	5369.5
45°	8872.5	8783.8	8621.1	7822.6	6856.5	6158.2	6090.8	5645.6	5624.2	5624.2	5933.1
47.5°	9385.2	9365.5	9192.9	8581.7	7623.8	6779.3	6662.6	6166.4	6223.9	6312.6	6733.3
50°	9953.7	9899.4	9715.4	9329.3	8525.8	7490.7	7395.4	6805.6	7020.8	7264.0	7890.0
52.5°	10476.2	10505.7	10300.4	10108.1	9544.5	8284.3	8116.7	7559.7	8024.7	8427.3	9245.5
55°	11013.4	11015.1	10957.6	10931.3	10612.5	9161.7	8977.7	8466.7	9206.1	9705.6	10826.1
57.5°	11517.9	11521.2	11606.6	11838.3	11851.4	10173.8	9965.2	9580.7	10518.9	11028.2	12456.1
60°	11968.1	11991.1	12224.4	12766.6	12940.8	11333.8	11136.7	10896.8	11876.1	12388.7	14169.8
62.5°	12119.2	12203.0	12722.2	13492.8	14017.0	12756.7	12562.9	12419.9	13302.2	13778.7	15602.5
65°	11862.9	12055.1	13059.1	14092.5	15124.4	14447.4	14255.2	14099.1	14784.3	15232.8	16779.0
67.5°	11233.6	11481.7	13039.3	14721.8	16468.4	16481.6	16302.5	15936.1	16373.1	16545.6	17161.8
70°	9575.8	9947.1	11890.8	14956.8	18011.2	19263.3	19090.7	18147.6	17958.7	17124.0	16083.9
72.5°	6169.7	6669.2	8755.9	13022.9	18354.6	21880.7	21870.8	20143.9	18459.8	16000.1	12899.7
75°	2251.0	2556.6	4068.2	8174.2	15407.0	21747.6	21811.6	19802.2	16851.2	12359.1	8036.2
77.5°	819.9	897.1	1327.6	3141.5	9475.5	17449.3	17582.4	15830.9	11994.4	6202.6	3184.3
80°	430.5	473.2	680.2	1219.2	4060.0	10362.8	10571.5	9408.2	5637.3	1868.2	954.6
82.5°	238.2	258.0	381.2	662.2	1828.7	4431.3	4556.2	3716.6	1983.2	792.0	394.3
85°	128.2	136.4	179.1	361.5	893.8	1536.3	1570.8	1110.7	790.3	465.0	190.6
87.5°	37.8	46.0	59.2	115.0	350.0	345.0	353.3	220.2	312.2	235.0	62.4
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°	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5
2.5°	3161.3	3156.3	3138.2	3130.0	3120.2	3118.5	3126.7	3128.4	3130.0	3131.7	3138.2
5°	3190.8	3174.4	3158.0	3148.1	3151.4	3153.0	3169.5	3181.0	3189.2	3195.8	3199.0
7.5°	3248.3	3235.2	3207.3	3205.6	3210.5	3225.3	3246.7	3273.0	3287.8	3299.3	3302.6
10°	3333.8	3309.1	3276.3	3281.2	3291.1	3312.4	3356.8	3378.1	3402.8	3424.1	3419.2
12.5°	3420.9	3399.5	3361.7	3365.0	3381.4	3419.2	3461.9	3488.2	3504.7	3521.1	3527.7
15°	3534.2	3496.4	3455.4	3455.4	3484.9	3526.0	3545.7	3567.1	3576.9	3595.0	3601.6
17.5°	3650.9	3601.6	3547.4	3544.1	3580.2	3599.9	3611.5	3614.7	3618.0	3637.7	3644.3
20°	3767.5	3713.3	3636.1	3629.5	3637.7	3634.5	3632.8	3629.5	3634.5	3659.1	3669.0
22.5°	3882.6	3820.1	3713.3	3683.7	3660.7	3629.5	3627.9	3626.2	3629.5	3654.2	3670.6
25°	4017.3	3941.7	3798.8	3710.0	3632.8	3590.1	3595.0	3596.7	3599.9	3619.7	3646.0
27.5°	4163.5	4079.7	3877.6	3701.8	3562.2	3532.6	3524.4	3529.3	3540.8	3572.0	3603.2
30°	4309.8	4211.2	3949.9	3669.0	3473.4	3432.4	3406.1	3417.6	3453.7	3484.9	3519.4
32.5°	4442.8	4344.3	4007.4	3596.7	3360.1	3296.0	3261.5	3276.3	3312.4	3323.9	3365.0
35°	4598.9	4487.2	4032.1	3481.6	3236.8	3138.2	3092.2	3070.9	3089.0	3077.5	3113.6
37.5°	4773.1	4656.4	4028.8	3330.5	3092.2	2978.9	2914.8	2834.3	2796.5	2757.1	2781.7
40°	5031.1	4863.5	3989.4	3148.1	2913.1	2809.6	2694.6	2558.2	2472.8	2395.6	2400.5
42.5°	5382.7	5151.0	3917.1	2947.7	2711.1	2614.1	2458.0	2298.6	2163.9	2035.8	2024.3
45°	5906.8	5527.3	3826.7	2734.1	2492.5	2397.2	2228.0	2048.9	1896.1	1731.8	1712.1
47.5°	6662.6	6033.3	3741.3	2490.9	2262.5	2175.4	2022.6	1856.7	1675.9	1516.5	1498.5
50°	7701.0	6759.6	3662.4	2254.3	2035.8	1970.0	1848.4	1679.2	1496.8	1368.7	1360.5
52.5°	9022.1	7747.0	3629.5	2025.9	1823.8	1799.2	1702.2	1544.5	1372.0	1263.5	1255.3
55°	10538.6	8928.4	3629.5	1807.4	1638.1	1646.3	1579.0	1432.8	1283.2	1186.3	1176.4
57.5°	12086.4	10124.5	3563.8	1605.3	1480.4	1514.9	1472.2	1344.0	1209.3	1109.1	1092.6
60°	13512.5	11126.8	3297.6	1421.2	1340.7	1395.0	1367.0	1256.9	1092.6	1008.8	995.7
62.5°	14608.5	11692.0	2785.0	1275.0	1225.7	1288.2	1273.4	1141.9	1071.3	1036.8	1025.3
65°	15157.2	11600.0	2129.4	1145.2	1128.8	1225.7	1194.5	1189.6	1133.7	1094.3	1081.1
67.5°	14820.4	10808.1	1544.5	1049.9	1072.9	1168.2	1288.2	1307.9	1204.4	1127.1	1114.0
70°	13343.3	9375.3	1150.1	959.5	1002.3	1169.9	1468.9	1368.7	1181.4	1091.0	1076.2
72.5°	10150.8	6991.2	892.2	864.3	910.3	1178.1	1549.4	1340.7	1115.6	1206.0	1196.1
75°	5804.9	3838.2	716.4	747.6	795.2	1100.9	1508.3	1268.4	1064.7	1107.4	1107.4
77.5°	2213.2	1475.5	591.5	632.6	639.2	961.2	1442.6	1263.5	1013.8	989.1	902.0
80°	767.3	576.7	489.6	502.8	494.6	854.4	1383.5	1099.2	829.7	742.7	718.0
82.5°	313.8	287.5	387.8	371.3	351.6	663.8	1117.3	898.8	678.6	599.7	593.1
85°	136.4	182.4	256.3	225.1	203.7	460.1	895.5	760.7	573.4	494.6	492.9
87.5°	27.9	69.0	108.4	101.9	105.2	307.3	635.9	540.6	405.8	304.0	238.2
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)