

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: P940589

Luminaire Tested: **GALN-SB3D-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940589
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-SB3D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24929 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 218.1
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



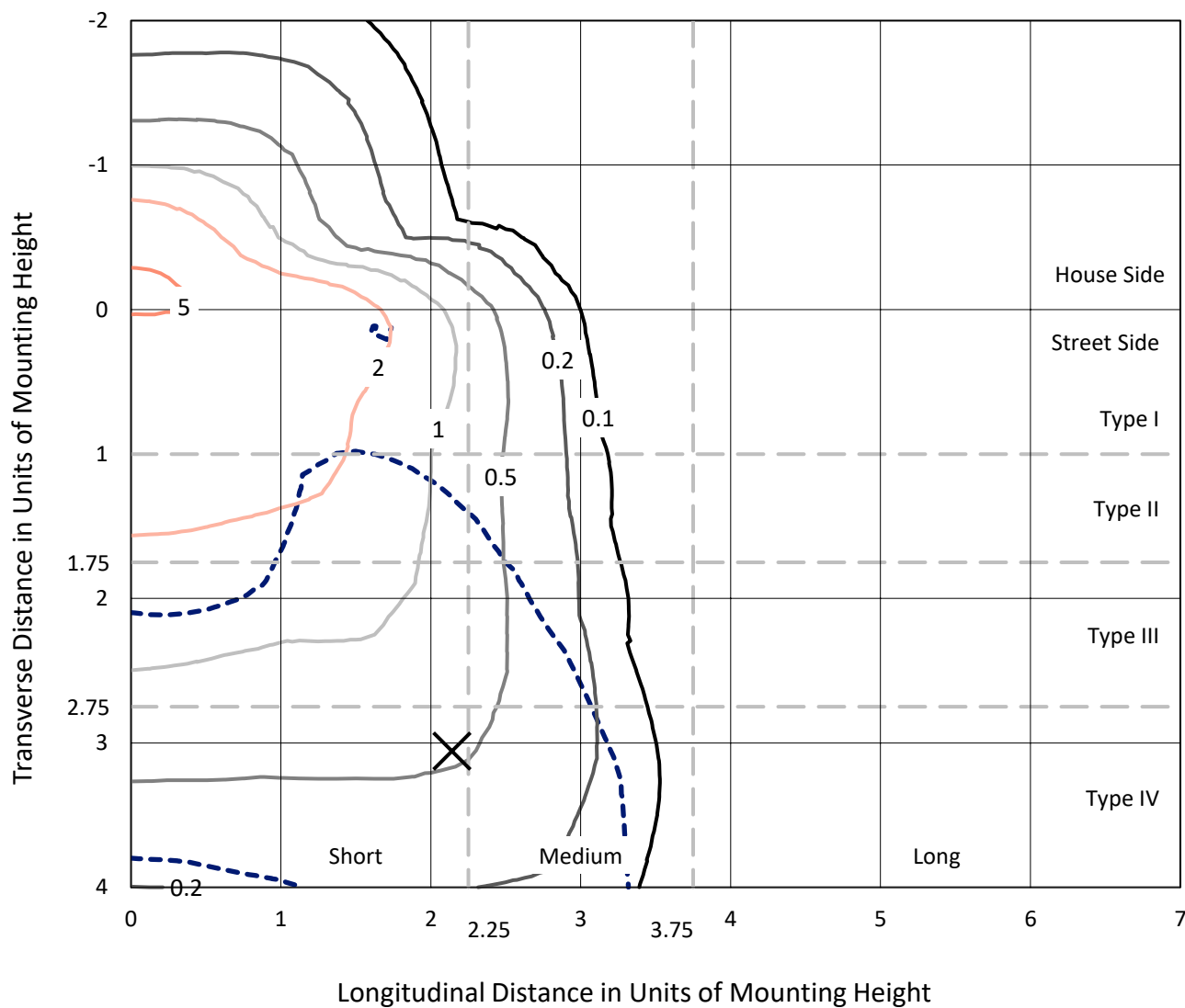
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



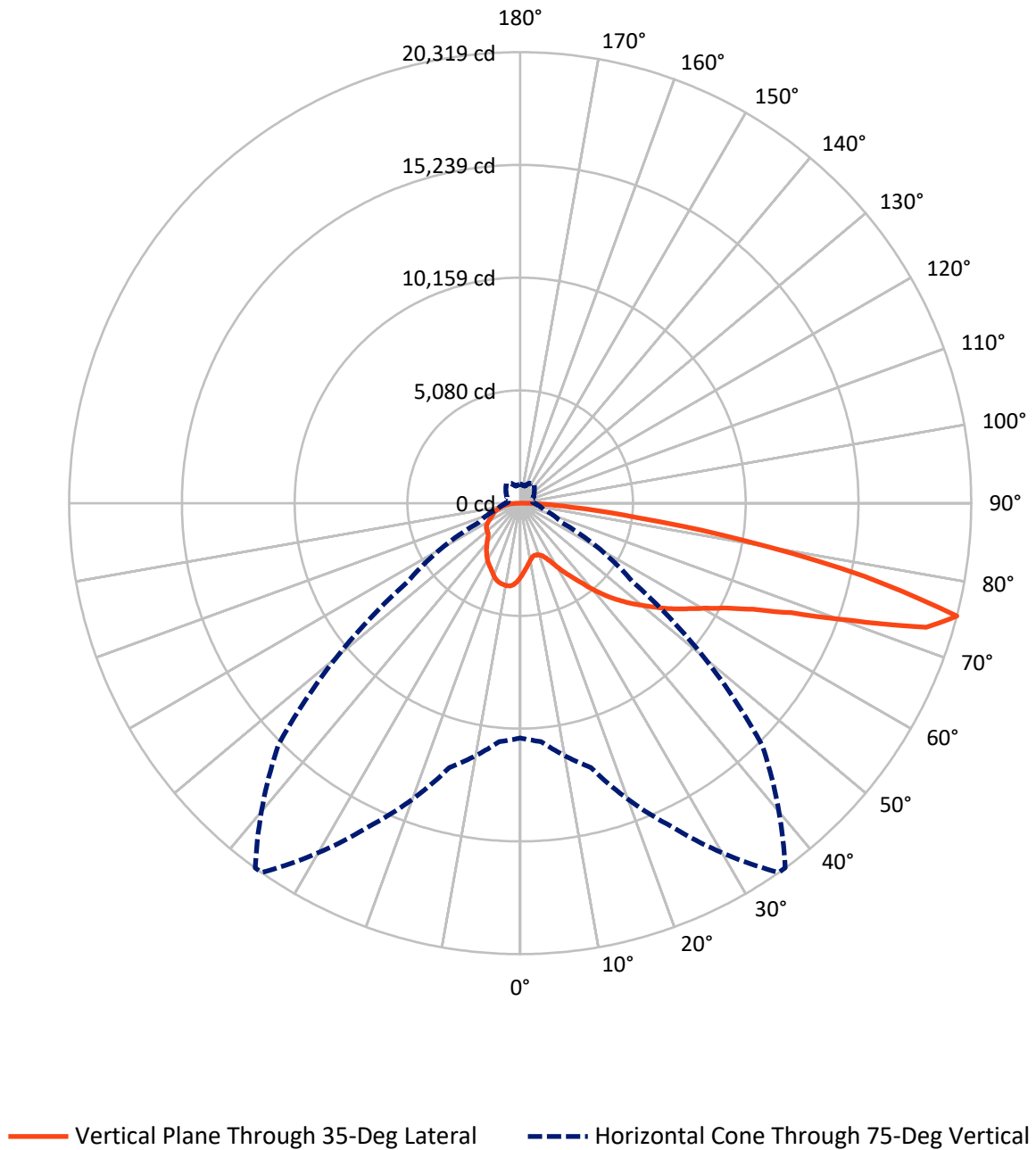
Based on 25 foot mounting height. Maximum calculated value = 5.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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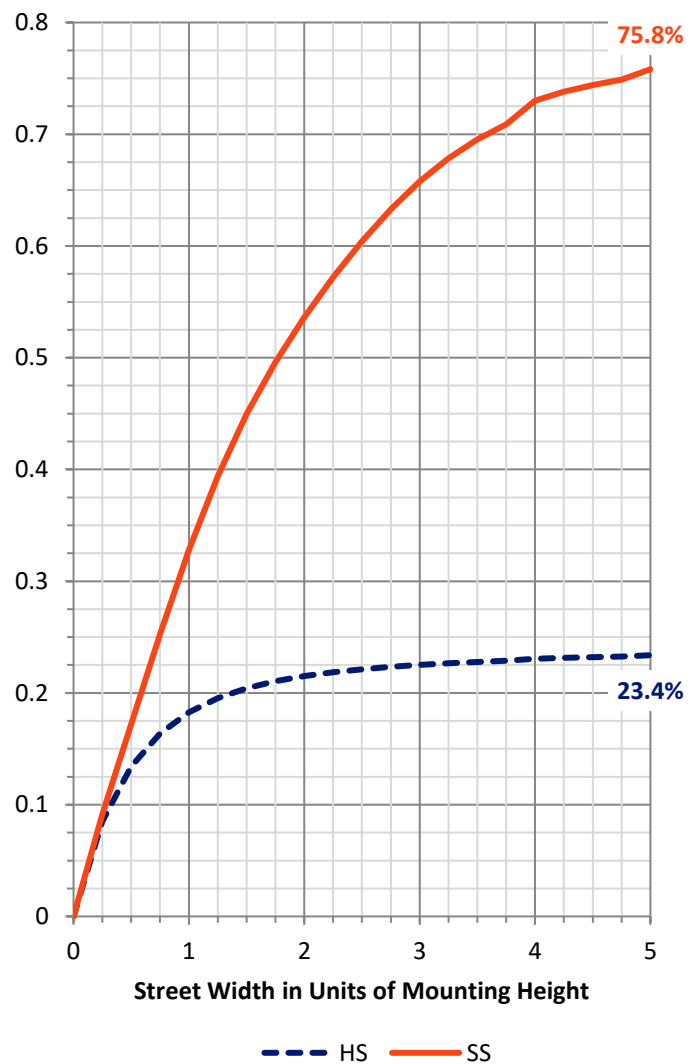
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5932.5	0.0	5932.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	18996.5	0.0	18996.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	24929.0	0.0	24929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.5	1.3
10°-20°	907.2	3.6
20°-30°	1523.5	6.1
30°-40°	2367.7	9.5
40°-50°	3514.2	14.1
50°-60°	4851.6	19.5
60°-70°	5886.1	23.6
70°-80°	4864.4	19.5
80°-90°	699.7	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°	24929.0	100.0
0°-180°	24929.0	100.0

Coefficient of Utilization



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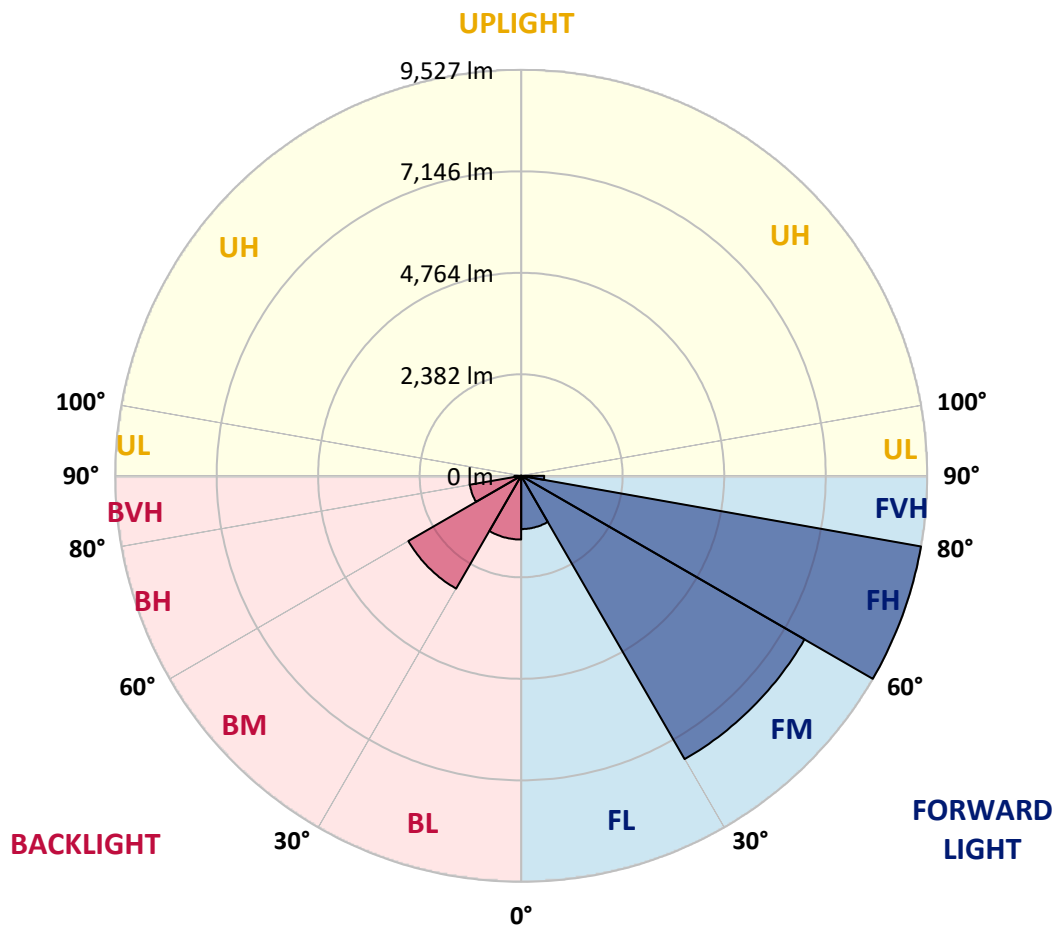
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1250.1	5.0			
FM	(30°-60°)	7676.8	30.8			
FH	(60°-80°)	9527.5	38.2			G4/12000
FVH	(80°-90°)	542.1	2.2			G4/750
BL	(0°-30°)	1495.1	6.0	B3/2500		
BM	(30°-60°)	3056.8	12.3	B3/5000		
BH	(60°-80°)	1223.1	4.9	B3/2500		G3/2500
BVH	(80°-90°)	157.5	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0
2.5°	3063.2	3082.1	3090.2	3086.1	3106.3	3103.6	3131.9	3167.0	3215.5	3262.7	3331.4
5°	2827.4	2847.6	2865.1	2881.3	2920.4	2932.5	2977.0	3044.3	3133.3	3223.6	3336.8
7.5°	2607.7	2625.2	2652.2	2681.8	2747.9	2760.0	2834.1	2939.2	3063.2	3195.3	3351.6
10°	2428.5	2446.0	2474.3	2508.0	2590.2	2605.0	2699.3	2839.5	3001.2	3168.3	3367.8
12.5°	2351.6	2357.0	2373.2	2406.9	2478.3	2487.8	2591.5	2751.9	2940.6	3148.1	3392.0
15°	2347.6	2358.4	2359.7	2377.3	2436.6	2440.6	2536.3	2695.3	2902.8	3144.1	3428.4
17.5°	2388.0	2396.1	2384.0	2394.8	2444.6	2451.4	2526.8	2668.3	2890.7	3161.6	3490.4
20°	2495.8	2502.6	2466.2	2451.4	2487.8	2493.2	2567.3	2685.9	2902.8	3198.0	3575.3
22.5°	2724.9	2729.0	2640.0	2579.4	2582.1	2584.8	2649.5	2757.3	2950.0	3264.0	3683.1
25°	3082.1	3079.4	2937.9	2820.6	2753.2	2738.4	2781.6	2873.2	3029.5	3351.6	3821.9
27.5°	3499.8	3479.6	3338.1	3162.9	3016.0	2994.5	2985.0	3024.1	3142.7	3467.5	3991.7
30°	3971.5	3952.7	3800.4	3571.3	3367.8	3332.7	3243.8	3223.6	3311.2	3625.2	4227.6
32.5°	4489.0	4476.9	4295.0	4017.3	3745.1	3704.7	3555.1	3501.2	3569.9	3863.7	4556.4
35°	4923.0	4912.2	4761.2	4475.5	4142.7	4092.8	3940.5	3879.9	3914.9	4169.6	4986.3
37.5°	5315.1	5309.7	5180.4	4955.3	4611.7	4551.0	4379.9	4359.6	4352.9	4572.6	5507.8
40°	5679.0	5665.5	5530.8	5412.2	5157.5	5102.2	4951.3	4933.7	4882.5	5068.5	6098.1
42.5°	6081.9	6046.9	5851.5	5796.2	5727.5	5681.7	5591.4	5594.1	5480.9	5627.8	6723.4
45°	6410.8	6390.6	6189.8	6157.4	6231.5	6212.7	6290.8	6311.0	6091.4	6214.0	7373.0
47.5°	6763.9	6745.0	6575.2	6552.3	6753.1	6758.5	7034.7	7041.5	6687.0	6823.2	8023.9
50°	7199.1	7172.2	7003.7	7032.0	7257.1	7277.3	7782.7	7736.9	7235.5	7441.7	8669.4
52.5°	7486.2	7502.4	7466.0	7511.8	7819.1	7837.9	8518.5	8401.3	7778.6	8052.2	9302.8
55°	7697.8	7730.1	7843.3	7948.4	8412.0	8430.9	9212.5	9033.3	8228.8	8618.2	9898.5
57.5°	7970.0	7924.2	8135.8	8340.6	8975.4	9025.2	9887.7	9642.4	8627.7	9106.1	10306.8
60°	8360.8	8328.5	8492.9	8796.1	9606.1	9685.6	10602.0	10190.9	8920.1	9492.8	10386.3
62.5°	9153.2	9072.4	9098.0	9366.2	10401.2	10506.3	11407.9	10669.3	9065.6	9643.8	9960.5
65°	10337.8	10199.0	10069.6	10255.6	11521.1	11624.8	12317.5	11045.3	9011.7	9351.3	8829.8
67.5°	11829.7	11692.2	11533.2	11708.4	13170.6	13252.8	13440.1	11256.9	8587.2	8224.7	6831.2
70°	13060.1	13008.9	13198.9	13919.9	15805.2	15807.9	14879.4	11081.7	7424.2	5831.3	3952.7
72.5°	12897.0	12866.0	13867.3	16096.3	19125.9	19054.4	16241.9	9755.6	5001.1	2630.6	1481.1
75°	10580.4	10781.2	12332.3	16057.3	20318.5	20309.1	15407.7	6201.9	2068.6	1090.2	765.5
77.5°	5673.6	5991.7	8006.4	11855.3	15861.8	16100.4	10832.4	2169.7	888.1	698.1	529.6
80°	1850.3	2127.9	3191.2	6036.1	10306.8	10262.4	4642.7	851.7	607.8	494.6	366.6
82.5°	785.7	818.0	1425.8	2850.3	5289.5	5207.3	1478.4	489.2	427.2	338.3	226.4
85°	307.3	343.7	629.4	1318.0	2291.0	2241.1	533.7	242.6	273.6	221.0	134.8
87.5°	101.1	122.6	225.1	451.5	712.9	687.3	130.7	83.6	118.6	101.1	48.5
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°	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0	3322.0
2.5°	3350.3	3371.8	3397.4	3435.2	3467.5	3494.5	3522.8	3540.3	3547.0	3567.2	3565.9
5°	3374.5	3421.7	3485.0	3547.0	3607.7	3644.0	3676.4	3692.6	3707.4	3718.2	3720.9
7.5°	3414.9	3475.6	3575.3	3656.2	3707.4	3737.0	3758.6	3753.2	3758.6	3761.3	3765.3
10°	3450.0	3534.9	3653.5	3730.3	3769.4	3770.7	3765.3	3746.5	3737.0	3738.4	3741.1
12.5°	3491.8	3586.1	3714.1	3778.8	3789.6	3759.9	3737.0	3704.7	3692.6	3687.2	3684.5
15°	3548.4	3656.2	3780.2	3804.4	3777.5	3739.7	3700.6	3648.1	3621.1	3599.6	3606.3
17.5°	3617.1	3735.7	3831.4	3813.9	3755.9	3693.9	3630.6	3551.1	3495.8	3472.9	3474.2
20°	3712.8	3819.2	3870.5	3793.6	3706.0	3611.7	3503.9	3406.9	3355.6	3332.7	3330.0
22.5°	3828.7	3931.1	3908.2	3758.6	3634.6	3483.7	3348.9	3277.5	3251.9	3235.7	3238.4
25°	3967.5	4055.1	3935.1	3707.4	3517.4	3313.9	3210.1	3187.2	3175.1	3162.9	3162.9
27.5°	4148.1	4195.2	3955.4	3631.9	3334.1	3133.3	3095.6	3099.6	3095.6	3075.3	3079.4
30°	4386.6	4377.2	3974.2	3509.3	3123.9	2970.2	2972.9	2990.4	2993.1	2979.7	2986.4
32.5°	4700.6	4604.9	3983.7	3350.3	2923.1	2827.4	2830.1	2848.9	2862.4	2839.5	2850.3
35°	5080.6	4870.4	3968.8	3150.8	2768.1	2691.3	2671.0	2676.4	2680.5	2658.9	2673.7
37.5°	5524.0	5168.2	3902.8	2929.8	2640.0	2557.8	2514.7	2478.3	2456.8	2436.6	2450.0
40°	6010.5	5493.0	3781.5	2714.2	2497.2	2416.3	2351.6	2282.9	2210.1	2183.2	2195.3
42.5°	6519.9	5827.2	3634.6	2508.0	2332.8	2266.7	2198.0	2098.3	1989.1	1933.9	1940.6
45°	7048.2	6169.5	3490.4	2304.5	2164.3	2136.0	2056.5	1936.6	1818.0	1747.9	1742.5
47.5°	7565.7	6493.0	3278.8	2099.6	2006.7	2037.6	1975.7	1865.1	1733.1	1622.6	1610.4
50°	8060.3	6796.2	2932.5	1892.1	1878.6	2008.0	1948.7	1789.7	1638.7	1497.2	1485.1
52.5°	8550.8	7041.5	2489.1	1703.4	1809.9	1999.9	1913.7	1738.5	1553.8	1405.6	1389.4
55°	8967.3	7168.2	2061.9	1541.7	1710.2	1931.2	1871.9	1677.8	1433.9	1276.2	1262.7
57.5°	9204.5	7065.7	1706.1	1382.7	1572.7	1818.0	1800.5	1548.5	1291.0	1169.8	1153.6
60°	9102.0	6650.7	1415.0	1243.9	1442.0	1695.3	1676.5	1420.4	1181.9	1067.3	1051.2
62.5°	8537.4	5859.6	1184.6	1122.6	1323.4	1570.0	1552.5	1322.0	1098.3	987.8	970.3
65°	7399.9	4766.6	1005.3	1021.5	1203.5	1419.1	1444.7	1239.8	1032.3	924.5	907.0
67.5°	5644.0	3452.7	865.2	933.9	1086.2	1270.8	1345.0	1180.5	977.0	874.6	858.5
70°	3216.8	1960.8	746.6	849.0	982.4	1133.4	1268.1	1133.4	917.7	832.8	822.1
72.5°	1219.6	900.2	645.5	764.1	882.7	1017.5	1183.2	1059.3	849.0	785.7	774.9
75°	650.9	548.5	543.1	664.4	768.2	904.3	1076.8	986.5	797.8	830.2	857.1
77.5°	443.4	388.1	454.2	568.7	642.8	778.9	963.6	876.0	691.3	688.6	634.7
80°	307.3	274.9	369.3	458.2	497.3	655.0	840.9	752.0	563.3	525.6	502.7
82.5°	184.6	179.2	276.3	342.3	351.7	505.4	696.7	630.7	460.9	401.6	404.3
85°	101.1	106.5	176.5	200.8	204.8	353.1	545.8	487.8	354.4	297.8	300.5
87.5°	28.3	36.4	64.7	79.5	98.4	183.3	324.8	289.7	177.9	124.0	124.0
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)