

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: P940584

Luminaire Tested: **GALN-SB3D-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18418 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

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

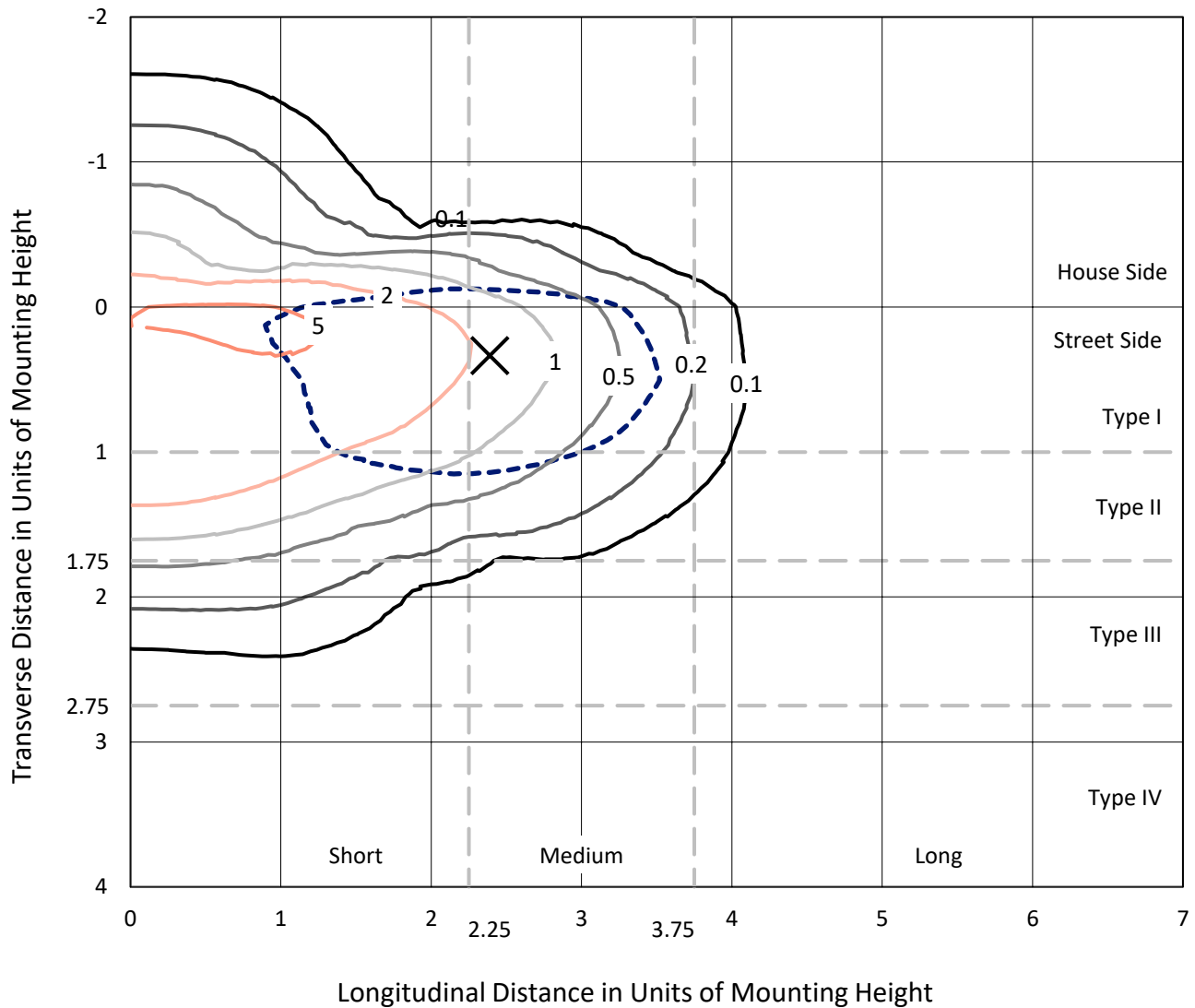


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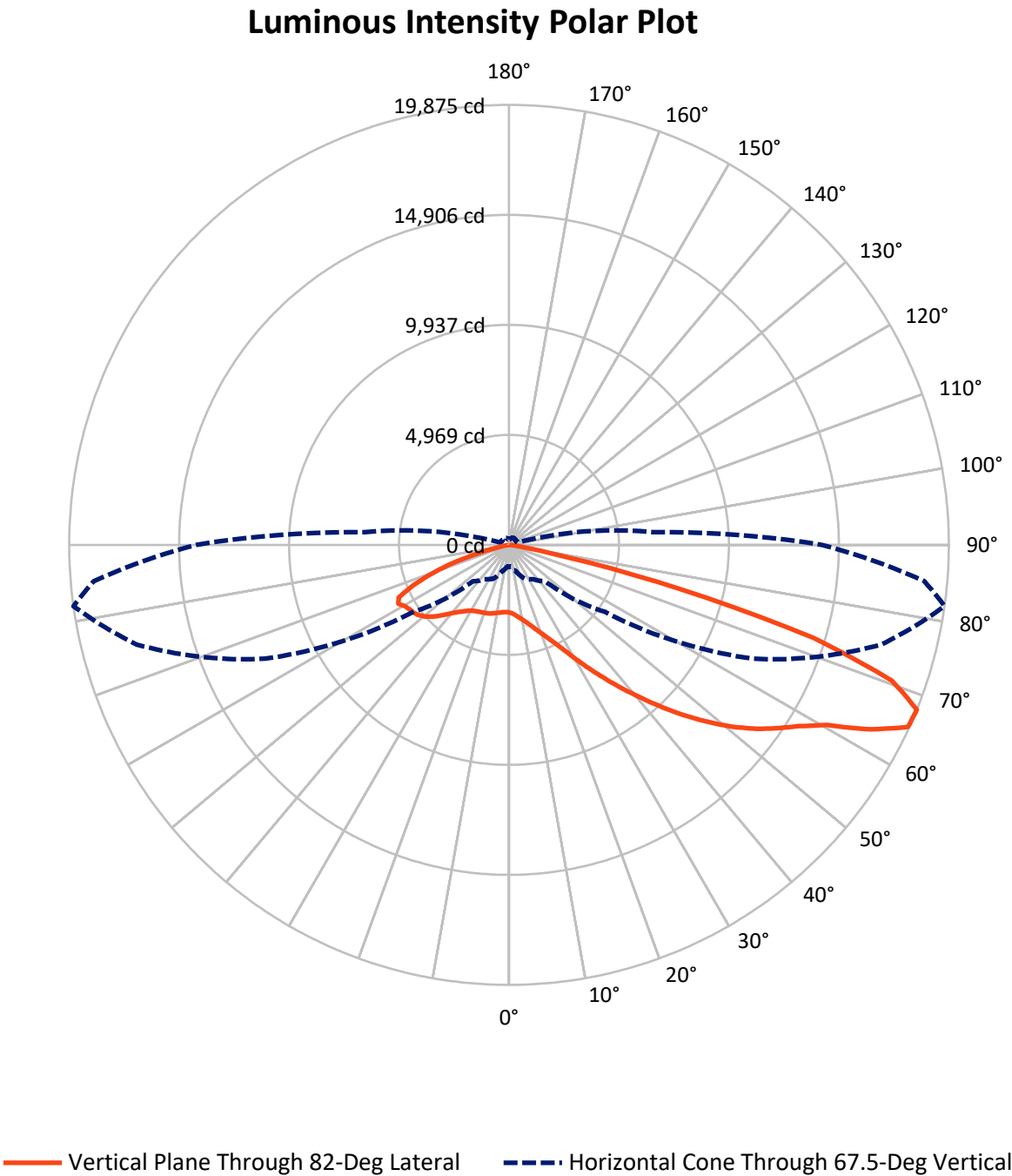
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type II - Medium - N/A

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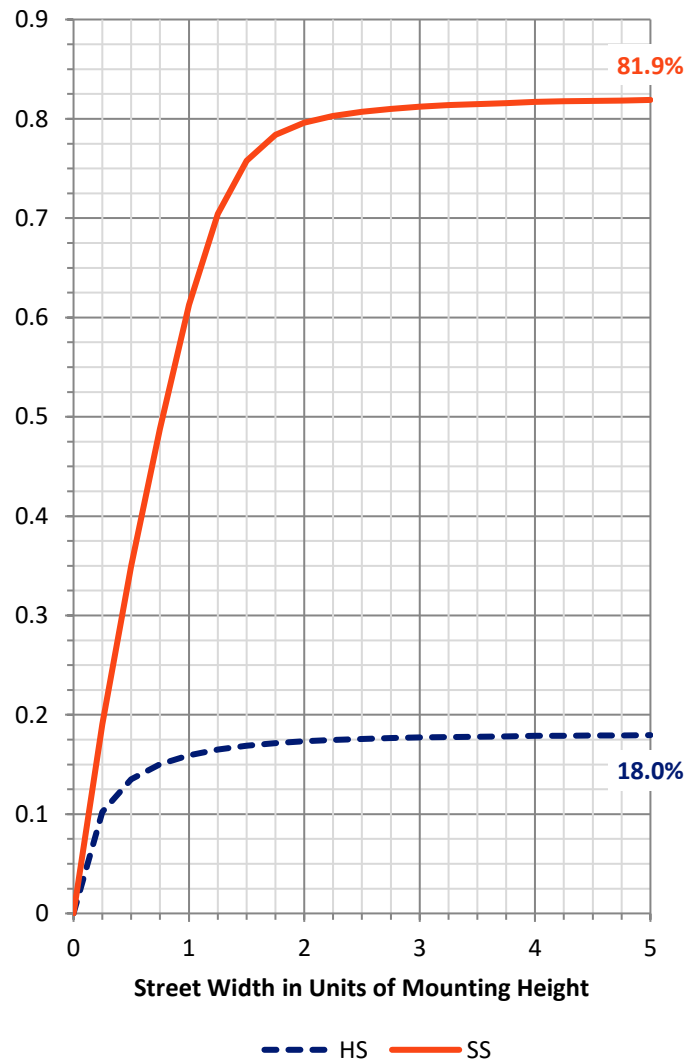
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3336.3	0.0	3336.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	15081.7	0.0	15081.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	18418.0	0.0	18418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	1.5
10°-20°	706.4	3.8
20°-30°	1131.4	6.1
30°-40°	2000.7	10.9
40°-50°	3505.5	19.0
50°-60°	4675.3	25.4
60°-70°	4352.5	23.6
70°-80°	1670.5	9.1
80°-90°	103.8	0.6
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°	18418.0	100.0
0°-180°	18418.0	100.0

Coefficient of Utilization



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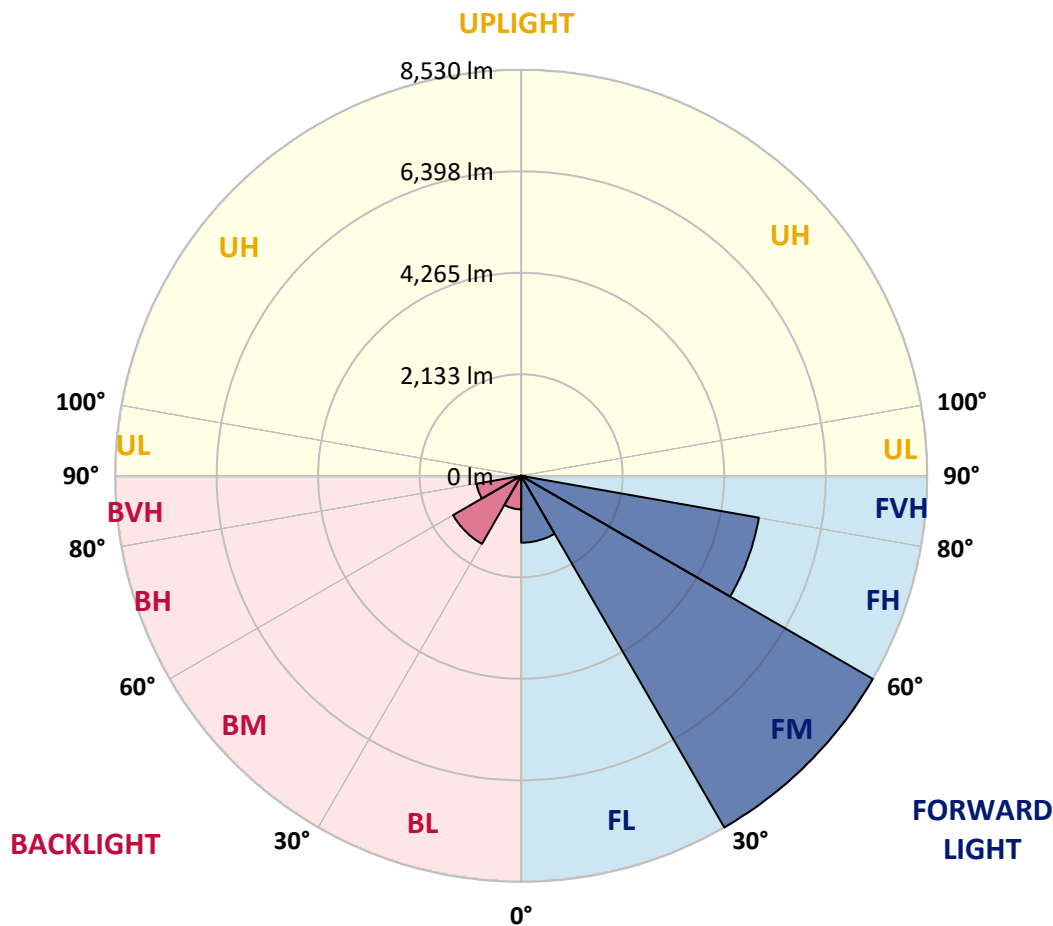
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1405.1	7.6			
FM	(30°-60°)	8530.5	46.3			
FH	(60°-80°)	5070.8	27.5			G3/7500
FVH	(80°-90°)	75.4	0.4			G1/100
BL	(0°-30°)	704.6	3.8	B2/1000		
BM	(30°-60°)	1651.1	9.0	B2/2500		
BH	(60°-80°)	952.2	5.2	B2/1000		G2/1000
BVH	(80°-90°)	28.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2
2.5°	3225.0	3243.5	3232.9	3227.6	3218.3	3205.1	3194.5	3161.3	3126.8	3104.3	3096.3
5°	3289.9	3308.5	3307.2	3312.5	3319.1	3323.1	3320.4	3283.3	3234.2	3195.8	3173.2
7.5°	3234.2	3255.5	3272.7	3299.2	3345.6	3394.7	3418.6	3410.6	3360.2	3307.2	3279.3
10°	3076.4	3099.0	3140.1	3202.4	3300.5	3406.6	3495.5	3536.6	3504.7	3446.4	3407.9
12.5°	2787.4	2809.9	2890.8	3026.0	3190.5	3374.8	3544.5	3654.6	3662.5	3604.2	3559.1
15°	2462.5	2485.0	2571.2	2740.9	2991.6	3287.3	3571.1	3779.2	3849.5	3799.1	3744.8
17.5°	2260.9	2280.8	2345.8	2482.4	2743.6	3112.2	3561.8	3911.8	4072.3	4032.5	3967.5
20°	2199.9	2217.2	2247.7	2343.1	2560.6	2930.6	3500.8	4036.5	4312.3	4289.8	4216.8
22.5°	2264.9	2280.8	2290.1	2332.5	2469.1	2811.2	3423.9	4163.8	4590.8	4593.4	4504.6
25°	2414.7	2430.6	2420.0	2446.6	2506.2	2774.1	3394.7	4313.6	4940.9	4970.0	4869.3
27.5°	2661.4	2662.7	2637.5	2636.2	2645.5	2829.8	3425.2	4474.1	5382.4	5436.8	5312.2
30°	3156.0	3136.1	3039.3	2934.5	2886.8	2996.9	3510.1	4663.7	5903.6	6000.4	5843.9
32.5°	3918.5	3889.3	3711.6	3461.0	3209.0	3266.1	3662.5	4879.9	6471.1	6646.2	6455.2
35°	4745.9	4738.0	4552.3	4179.7	3739.5	3649.3	3910.5	5163.6	7090.4	7368.9	7142.1
37.5°	5515.0	5511.1	5405.0	4966.1	4430.3	4183.7	4308.3	5534.9	7753.4	8156.5	7888.7
40°	6217.8	6229.8	6123.7	5731.2	5191.5	4869.3	4849.4	5993.7	8490.7	9014.5	8696.2
42.5°	6825.2	6838.4	6731.0	6440.6	5943.4	5627.8	5513.7	6556.0	9210.7	9936.1	9559.5
45°	7237.6	7319.8	7303.9	7071.8	6715.1	6387.6	6312.0	7261.4	10031.6	10913.4	10471.8
47.5°	7354.3	7429.9	7549.2	7581.0	7363.6	7041.3	7131.5	8111.4	10861.7	11892.0	11389.4
50°	7066.5	7136.8	7384.8	7715.0	7866.1	7766.7	7928.4	9022.4	11711.7	12868.0	12289.8
52.5°	6499.0	6570.6	6883.5	7406.0	8022.6	8335.5	8728.1	9920.2	12535.1	13792.2	13142.5
55°	5678.1	5753.7	6155.5	6746.9	7724.2	8570.3	9395.1	10816.6	13289.7	14623.7	13911.6
57.5°	4561.6	4617.3	5035.0	5862.5	6973.7	8336.9	9887.0	11795.2	14000.4	15440.5	14674.1
60°	2973.0	3022.1	3507.4	4430.3	5729.9	7557.2	9985.2	12886.5	14944.6	16502.7	15701.7
62.5°	1977.1	2010.3	2298.0	2975.7	4035.2	6060.0	9411.0	13757.8	16329.0	18351.2	17464.1
65°	1356.5	1389.7	1677.5	2149.5	2607.0	4008.6	7760.0	13642.4	17583.4	19819.1	18770.2
67.5°	968.0	995.9	1239.9	1685.4	1887.0	2328.5	5260.4	12167.8	17403.1	19874.8	18840.5
70°	693.5	709.4	911.0	1312.8	1499.8	1399.0	2925.3	9306.2	15237.6	18352.5	17405.7
72.5°	485.3	490.6	632.5	999.8	1208.0	1021.1	1392.4	6204.6	11524.7	14404.9	13493.9
75°	328.9	335.5	425.7	733.3	969.3	779.7	737.3	3327.1	6765.5	7973.5	7147.4
77.5°	201.6	204.2	274.5	501.2	725.3	594.1	474.7	1409.6	2617.6	2569.9	2190.6
80°	114.0	114.0	175.0	311.6	494.6	383.2	332.8	599.4	828.8	728.0	641.8
82.5°	63.7	65.0	127.3	193.6	327.5	226.8	183.0	277.1	358.0	316.9	275.8
85°	26.5	29.2	78.2	91.5	156.5	112.7	74.3	116.7	132.6	118.0	86.2
87.5°	2.7	4.0	23.9	17.2	18.6	22.5	10.6	22.5	18.6	18.6	13.3
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°	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2	3051.2
2.5°	3071.1	3051.2	3000.8	2942.5	2865.6	2828.5	2778.1	2743.6	2714.4	2717.1	2690.6
5°	3130.8	3080.4	2967.7	2827.1	2652.1	2527.4	2394.8	2303.3	2229.1	2213.2	2177.4
7.5°	3213.0	3133.5	2935.9	2682.6	2386.9	2162.8	1962.6	1833.9	1742.4	1713.3	1684.1
10°	3319.1	3203.7	2894.8	2500.9	2075.3	1790.2	1575.3	1474.6	1412.2	1391.0	1375.1
12.5°	3442.4	3284.6	2840.4	2279.5	1754.4	1479.9	1343.3	1292.9	1273.0	1266.4	1262.4
15°	3597.6	3385.4	2758.2	2016.9	1482.5	1290.2	1231.9	1225.3	1227.9	1225.3	1223.9
17.5°	3781.9	3495.5	2624.3	1746.4	1299.5	1193.4	1172.2	1177.5	1184.2	1182.8	1180.2
20°	3983.5	3604.2	2453.2	1506.4	1174.9	1124.5	1112.6	1117.9	1123.2	1120.5	1119.2
22.5°	4212.9	3720.9	2263.6	1319.4	1091.3	1060.8	1047.6	1048.9	1048.9	1043.6	1040.9
25°	4487.4	3849.5	2064.7	1186.8	1027.7	1003.8	987.9	982.6	974.6	958.7	956.1
27.5°	4814.9	3986.1	1873.7	1094.0	977.3	954.8	936.2	922.9	903.0	876.5	873.9
30°	5183.5	4151.9	1711.9	1035.6	937.5	915.0	893.8	873.9	844.7	811.5	808.9
32.5°	5617.1	4329.6	1593.9	997.2	901.7	877.8	852.6	828.8	797.0	763.8	765.1
35°	6134.3	4544.4	1525.0	970.7	873.9	842.0	814.2	787.7	763.8	734.6	732.0
37.5°	6695.2	4772.5	1503.7	957.4	855.3	806.2	774.4	755.8	753.2	736.0	734.6
40°	7309.2	5043.0	1519.7	949.5	835.4	771.8	737.3	733.3	739.9	709.4	710.8
42.5°	7958.9	5363.9	1546.2	940.2	807.6	737.3	704.1	704.1	698.8	656.4	656.4
45°	8661.8	5733.8	1572.7	917.6	774.4	702.8	677.6	668.3	645.8	604.7	603.4
47.5°	9369.9	6110.4	1592.6	876.5	734.6	673.6	651.1	629.9	596.7	559.6	558.3
50°	10042.2	6448.6	1571.4	815.5	689.5	645.8	621.9	592.7	556.9	531.7	527.8
52.5°	10642.9	6741.6	1481.2	743.9	641.8	616.6	595.4	564.9	535.7	509.2	506.6
55°	11165.3	6979.0	1322.1	676.3	599.4	591.4	570.2	531.7	492.0	469.4	466.8
57.5°	11666.6	7159.3	1123.2	620.6	560.9	563.6	531.7	497.3	460.1	436.3	433.6
60°	12333.6	7400.7	921.6	568.9	519.8	527.8	493.3	468.1	421.7	391.2	387.2
62.5°	13399.7	7776.0	732.0	505.2	472.1	474.7	460.1	429.6	373.9	338.1	335.5
65°	14245.7	7638.0	576.8	436.3	417.7	421.7	421.7	388.5	328.9	287.8	283.8
67.5°	14150.3	6540.1	460.1	368.6	366.0	368.6	377.9	350.1	291.7	258.6	253.3
70°	13035.1	5202.1	368.6	306.3	318.3	311.6	338.1	319.6	262.6	229.4	225.4
72.5°	10636.2	3747.4	281.1	253.3	244.0	254.6	305.0	287.8	218.8	181.7	177.7
75°	6215.2	1999.7	209.5	200.2	176.4	212.2	270.5	245.3	167.1	133.9	130.0
77.5°	2023.6	697.5	153.8	147.2	131.3	171.1	230.7	206.9	136.6	106.1	102.1
80°	542.4	210.8	104.8	96.8	84.9	127.3	183.0	164.4	98.1	69.0	67.6
82.5°	217.5	88.8	61.0	54.4	46.4	87.5	144.5	132.6	72.9	43.8	43.8
85°	70.3	29.2	22.5	17.2	21.2	54.4	86.2	90.2	51.7	22.5	17.2
87.5°	9.3	4.0	4.0	5.3	4.0	9.3	26.5	25.2	14.6	2.7	0.0
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)