

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: P948450

Luminaire Tested: **GALN-SB3C-730-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-730-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21961 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 149.1
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



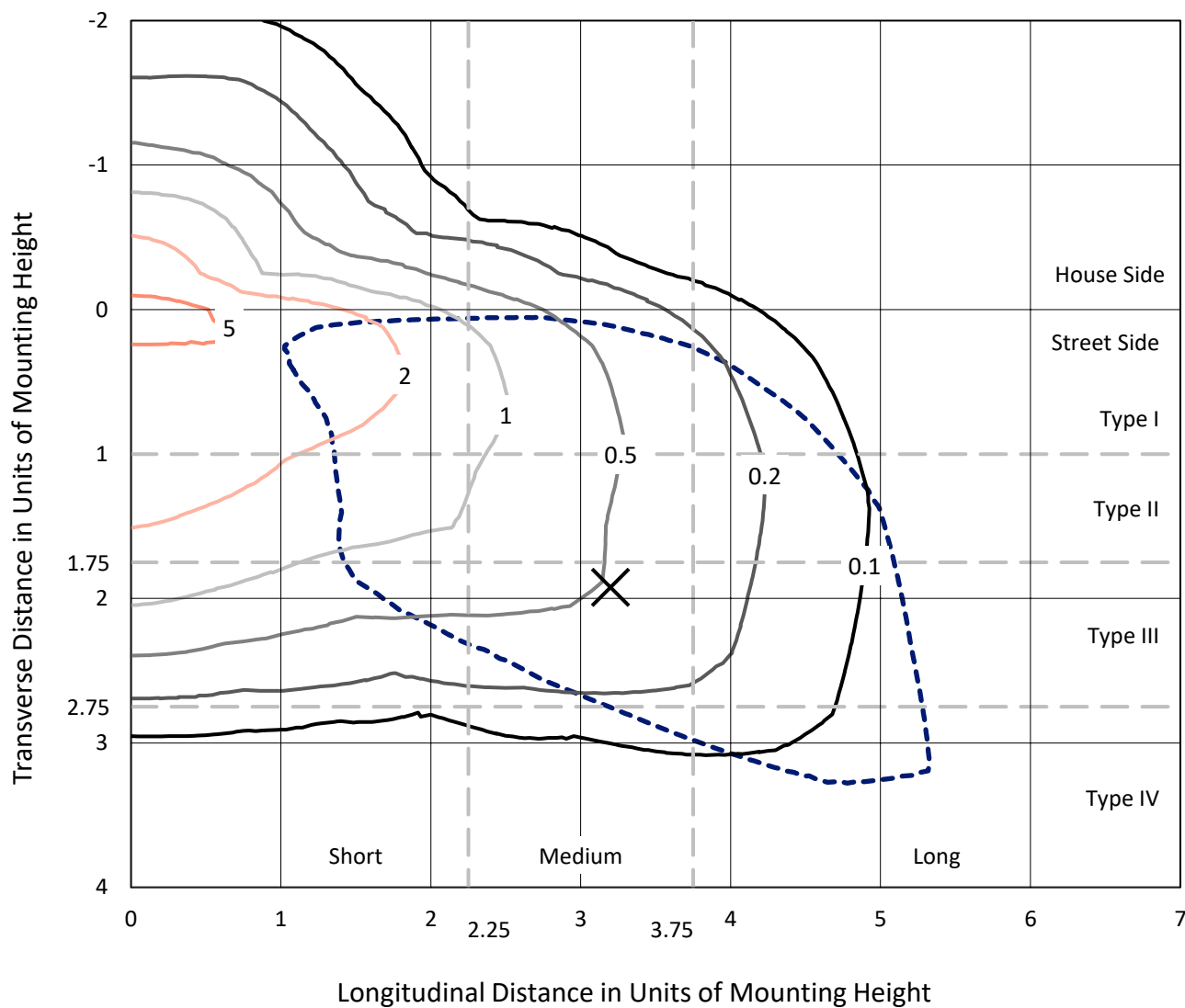
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

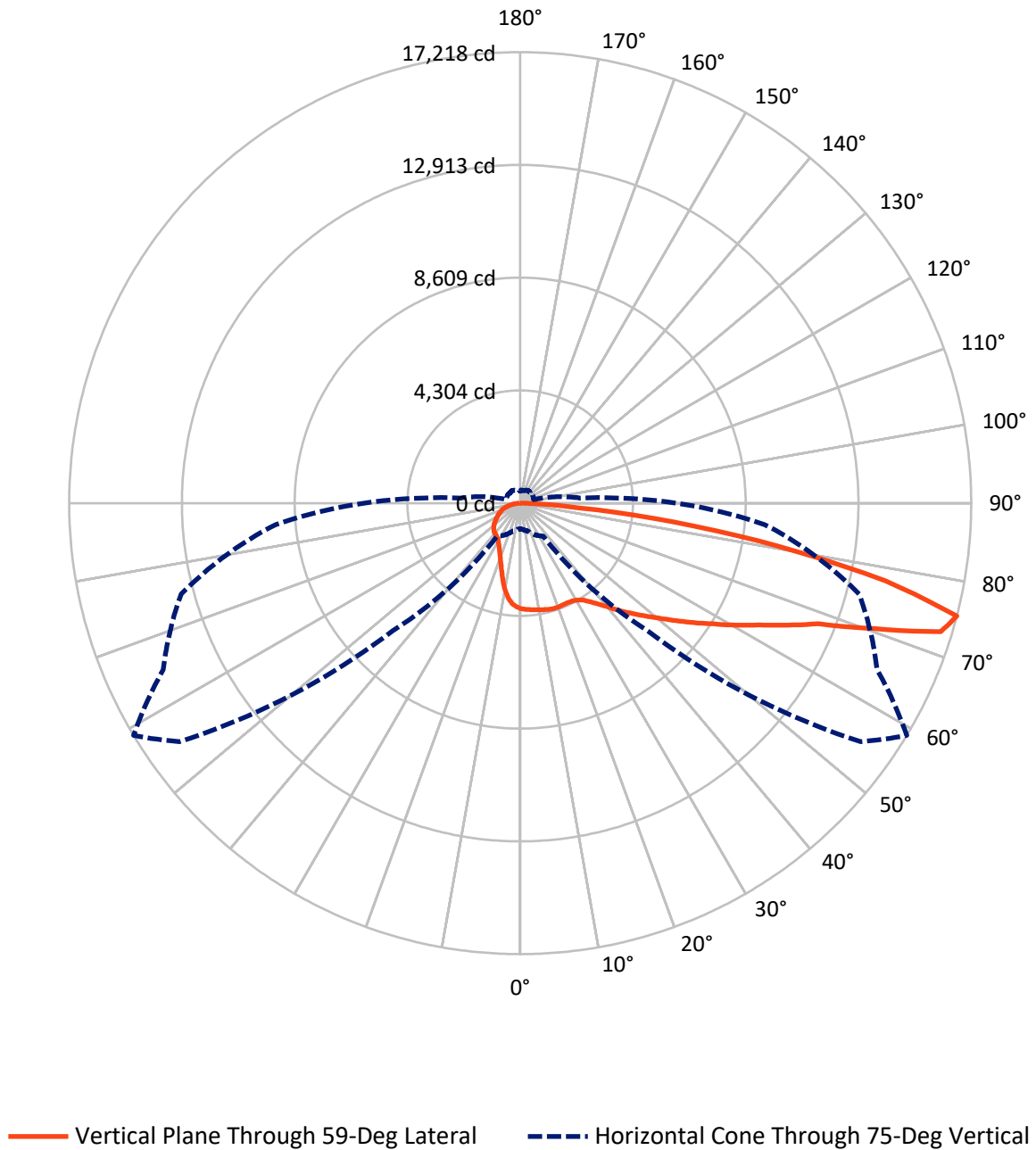
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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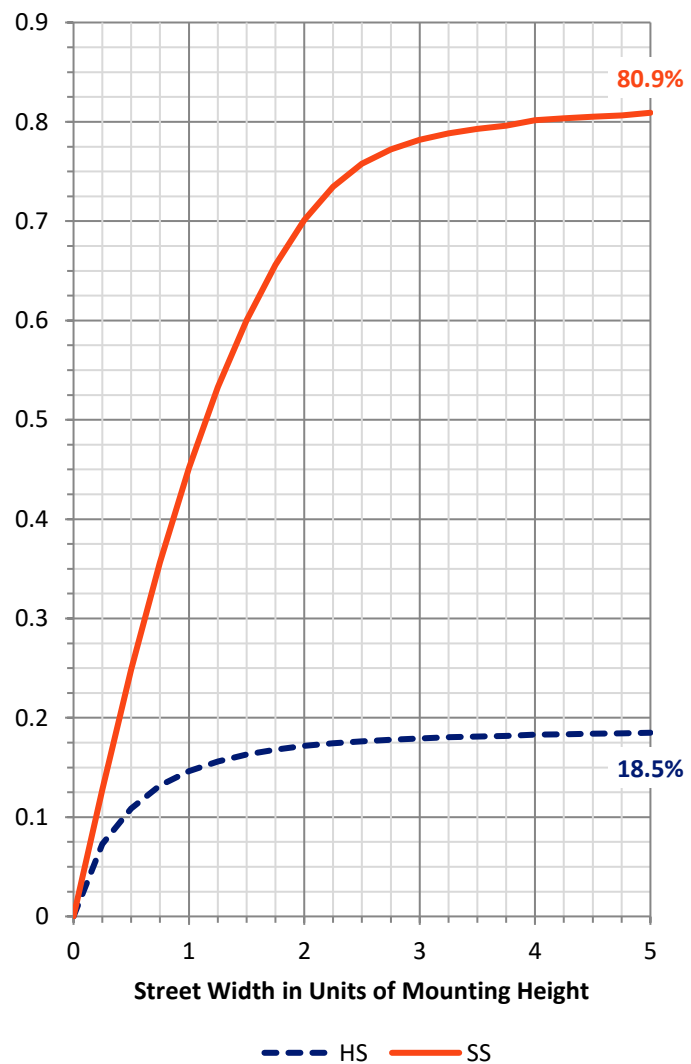
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4118.9	0.0	4118.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	17842.1	0.0	17842.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	21961.0	0.0	21961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.4	1.6
10°-20°	923.8	4.2
20°-30°	1403.3	6.4
30°-40°	2085.9	9.5
40°-50°	3102.1	14.1
50°-60°	4210.7	19.2
60°-70°	5140.6	23.4
70°-80°	4034.3	18.4
80°-90°	698.8	3.2
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°	21961.0	100.0
0°-180°	21961.0	100.0

Coefficient of Utilization



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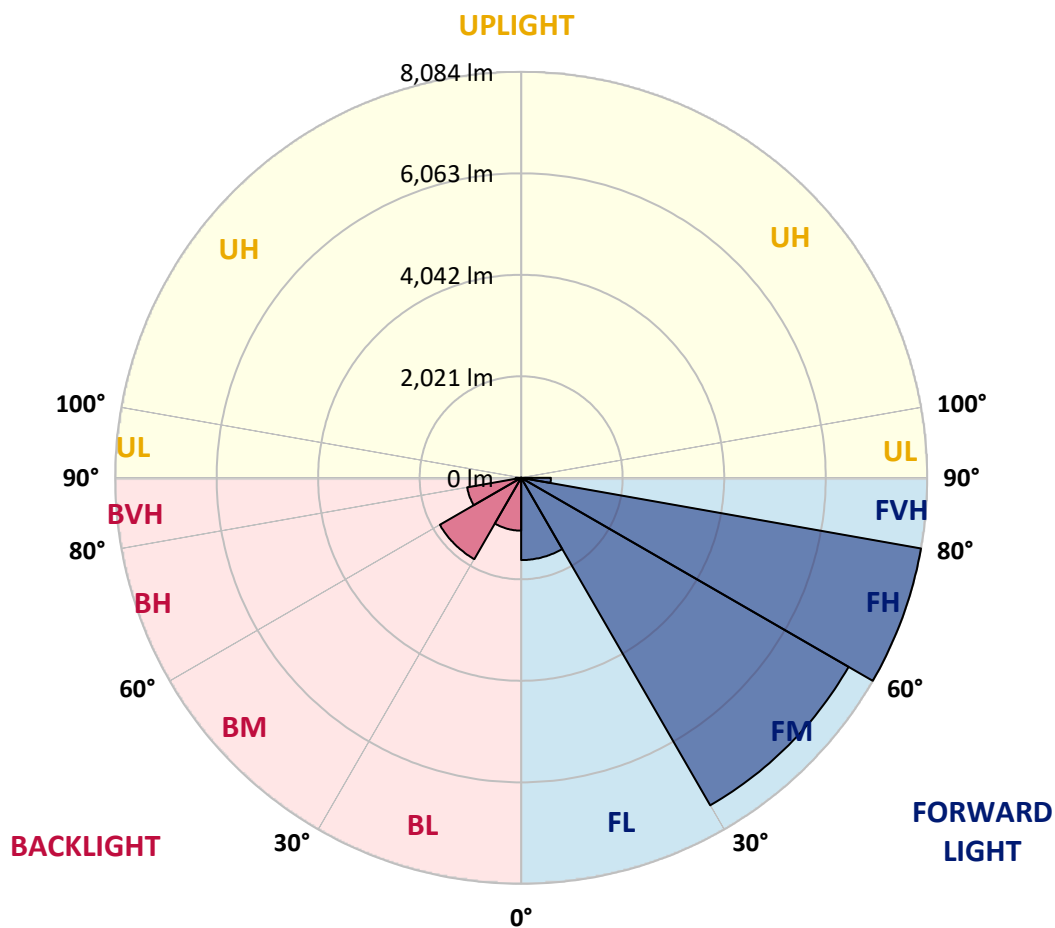
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1637.4	7.5			
FM	(30°-60°)	7529.2	34.3			
FH	(60°-80°)	8083.6	36.8			G4/12000
FVH	(80°-90°)	591.9	2.7			G4/750
BL	(0°-30°)	1051.1	4.8	B3/2500		
BM	(30°-60°)	1869.6	8.5	B2/2500		
BH	(60°-80°)	1091.3	5.0	B3/2500		G3/2500
BVH	(80°-90°)	107.0	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9
2.5°	4065.2	4051.0	4065.2	4059.2	4056.9	4052.2	4053.3	4061.6	4056.9	4062.8	4042.7
5°	4038.0	4029.7	4043.9	4040.3	4055.7	4058.1	4073.4	4082.9	4088.8	4090.0	4074.6
7.5°	3993.1	3984.8	4004.9	4021.4	4054.5	4064.0	4095.9	4111.2	4119.5	4133.7	4111.2
10°	3828.9	3825.3	3874.9	3937.6	4015.5	4064.0	4112.4	4138.4	4151.4	4189.2	4163.2
12.5°	3538.3	3543.0	3608.0	3728.5	3884.4	4040.3	4131.3	4169.1	4189.2	4236.5	4224.6
15°	3260.6	3259.4	3330.3	3459.1	3677.7	3936.4	4140.8	4205.7	4240.0	4309.7	4300.2
17.5°	3100.0	3095.2	3144.9	3242.9	3446.1	3776.9	4117.1	4225.8	4299.1	4386.5	4378.2
20°	3070.4	3061.0	3087.0	3135.4	3279.5	3602.0	4055.7	4225.8	4346.3	4459.7	4455.0
22.5°	3177.9	3162.6	3151.9	3146.0	3209.8	3457.9	3986.0	4211.6	4416.0	4564.9	4556.6
25°	3394.1	3370.5	3316.2	3263.0	3244.1	3392.9	3924.6	4208.1	4520.0	4706.6	4675.9
27.5°	3743.8	3714.3	3604.4	3476.8	3362.2	3426.0	3897.4	4229.4	4634.6	4856.7	4795.3
30°	4177.4	4145.5	4007.3	3811.2	3605.6	3548.9	3931.7	4292.0	4781.1	5056.3	4935.8
32.5°	4566.1	4530.6	4412.5	4212.8	3935.2	3761.5	4040.3	4411.3	5011.4	5334.0	5147.3
35°	4911.0	4869.7	4763.4	4579.1	4339.2	4060.4	4236.5	4622.8	5338.7	5785.3	5434.4
37.5°	5248.9	5200.5	5084.7	4889.8	4722.0	4458.6	4507.0	4894.5	5773.4	6333.4	5814.8
40°	5626.9	5557.2	5416.7	5224.1	5061.1	4925.2	4862.6	5227.6	6215.3	6945.4	6289.7
42.5°	5993.2	5927.0	5759.3	5595.0	5390.7	5351.7	5274.9	5617.5	6698.5	7617.6	6771.7
45°	6387.8	6308.6	6105.4	5897.5	5768.7	5635.2	5674.2	6007.4	7172.2	8302.8	7277.3
47.5°	6757.5	6668.9	6429.1	6197.6	6126.7	5873.9	6040.4	6436.2	7664.8	8997.4	7778.3
50°	6957.2	6869.8	6670.1	6461.0	6405.5	6168.0	6437.4	6907.6	8181.1	9689.7	8259.1
52.5°	7123.8	7029.3	6768.2	6652.4	6635.9	6488.2	6926.5	7446.3	8697.4	10301.7	8723.4
55°	7301.0	7195.8	6862.7	6758.7	6834.3	6847.3	7506.5	8057.1	9243.2	10898.3	9161.7
57.5°	7505.4	7371.9	6953.6	6848.5	7028.1	7267.9	8172.8	8690.3	9779.5	11451.2	9551.5
60°	7697.9	7563.2	7128.5	6991.4	7237.2	7755.8	8937.2	9457.0	10386.8	11943.8	9920.1
62.5°	7735.7	7624.7	7267.9	7266.7	7520.7	8325.2	9842.1	10230.8	10917.2	12430.6	10250.9
65°	7081.2	7011.5	6800.1	7256.1	7927.1	9145.1	10849.9	11220.8	11591.8	12855.9	10541.5
67.5°	5389.5	5398.9	5383.6	6263.7	7598.7	10323.0	12308.9	12280.5	12424.6	13333.1	10875.8
70°	2464.4	2519.9	2881.4	4323.9	6087.7	10458.8	14721.3	14353.9	13470.2	13951.0	11165.3
72.5°	1331.4	1374.0	1521.6	2094.6	3659.9	9298.7	16524.1	16785.1	14860.7	14366.8	10847.5
75°	977.0	1000.6	1103.4	1331.4	1537.0	6911.1	15877.8	17217.5	15034.3	13396.9	9367.2
77.5°	731.3	741.9	825.8	1055.0	786.8	3643.4	12686.9	14259.3	12870.0	11007.0	6919.4
80°	530.4	542.3	604.9	791.5	551.7	1332.6	8711.5	10008.7	8814.3	7016.3	3448.5
82.5°	366.2	371.0	398.1	538.7	385.1	517.4	4942.9	5869.1	4920.5	2462.0	930.9
85°	220.9	226.8	238.6	314.2	218.6	245.7	2133.6	2206.8	1470.8	588.3	289.4
87.5°	91.0	96.9	106.3	132.3	86.2	68.5	352.1	441.8	275.3	172.5	89.8
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°	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9	4030.9
2.5°	4036.8	4028.5	4006.1	3975.4	3947.0	3911.6	3896.2	3883.2	3871.4	3849.0	3838.3
5°	4061.6	4039.2	3978.9	3900.9	3812.3	3715.5	3621.0	3556.0	3500.4	3459.1	3424.8
7.5°	4099.4	4056.9	3947.0	3787.5	3584.3	3376.4	3188.6	3055.1	2954.6	2918.0	2854.2
10°	4138.4	4087.6	3896.2	3615.0	3264.2	2944.0	2694.7	2557.7	2477.4	2451.4	2411.2
12.5°	4184.5	4110.0	3817.1	3375.2	2906.2	2555.3	2338.0	2257.6	2216.3	2202.1	2205.6
15°	4251.8	4128.9	3697.7	3075.2	2564.8	2271.8	2131.2	2075.7	2054.4	2053.3	2058.0
17.5°	4302.6	4132.5	3512.3	2753.8	2302.5	2100.5	1984.7	1963.5	1977.6	1998.9	2007.2
20°	4359.3	4100.6	3268.9	2460.8	2118.2	1950.5	1902.0	1916.2	1950.5	1981.2	1991.8
22.5°	4399.5	4042.7	2974.7	2232.8	1958.7	1864.2	1861.9	1891.4	1910.3	1925.7	1933.9
25°	4434.9	3944.7	2662.8	2041.4	1827.6	1812.2	1838.2	1828.8	1815.8	1828.8	1837.1
27.5°	4460.9	3789.9	2384.0	1873.7	1735.5	1776.8	1761.4	1740.2	1739.0	1746.1	1757.9
30°	4452.6	3583.1	2154.8	1714.2	1670.5	1710.6	1674.0	1670.5	1666.9	1670.5	1683.5
32.5°	4452.6	3348.1	1978.8	1604.3	1629.1	1613.8	1610.2	1602.0	1587.8	1586.6	1602.0
35°	4477.5	3113.0	1827.6	1545.3	1594.9	1558.2	1560.6	1540.5	1511.0	1496.8	1511.0
37.5°	4528.3	2923.9	1677.6	1516.9	1534.6	1533.4	1524.0	1489.7	1437.7	1392.9	1408.2
40°	4651.1	2868.4	1574.8	1503.9	1506.3	1520.4	1495.6	1429.5	1311.3	1238.1	1247.5
42.5°	4843.7	2961.7	1552.3	1472.0	1487.4	1501.5	1453.1	1299.5	1215.6	1171.9	1171.9
45°	5088.2	3124.8	1600.8	1425.9	1442.5	1467.3	1323.2	1249.9	1212.1	1213.3	1219.2
47.5°	5397.8	3296.1	1690.6	1385.8	1377.5	1391.7	1236.9	1192.0	1140.0	1153.0	1186.1
50°	5755.7	3469.7	1775.6	1331.4	1305.4	1259.4	1181.4	1138.9	1072.7	1042.0	1050.3
52.5°	6143.2	3637.5	1809.9	1265.3	1227.5	1174.3	1143.6	1091.6	1011.3	960.5	959.3
55°	6510.6	3789.9	1772.1	1186.1	1149.5	1108.1	1103.4	1071.5	985.3	914.4	914.4
57.5°	6858.0	3917.5	1677.6	1105.8	1070.3	1045.5	1077.4	1062.1	953.4	862.4	857.7
60°	7152.1	4004.9	1540.5	1024.3	999.5	986.5	1034.9	1030.2	908.5	806.9	803.3
62.5°	7386.0	4039.2	1389.3	946.3	940.4	916.8	975.8	975.8	851.8	752.5	749.0
65°	7569.1	4006.1	1235.7	869.5	881.3	845.9	903.8	896.7	791.5	704.1	699.4
67.5°	7731.0	3897.4	1065.6	793.9	821.1	776.2	828.2	811.6	725.4	655.7	650.9
70°	7803.1	3644.6	871.9	718.3	751.4	707.7	752.5	721.8	650.9	603.7	594.2
72.5°	7224.2	3029.1	686.4	639.1	667.5	632.0	671.0	635.6	570.6	549.3	531.6
75°	5976.6	2273.0	528.1	552.9	574.2	547.0	573.0	547.0	487.9	503.3	459.6
77.5°	4340.4	1534.6	404.0	461.9	471.4	457.2	479.6	450.1	396.9	393.4	375.7
80°	2158.4	899.0	316.6	365.0	361.5	352.1	378.0	363.9	319.0	337.9	334.3
82.5°	625.0	385.1	230.4	256.4	249.3	251.6	270.5	277.6	415.8	412.3	421.8
85°	196.1	151.2	138.2	142.9	135.9	139.4	159.5	316.6	293.0	171.3	185.5
87.5°	50.8	52.0	34.3	36.6	37.8	44.9	50.8	192.6	92.1	60.3	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)