

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: P942627

Luminaire Tested: **GALN-SB6D-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51011 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1
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

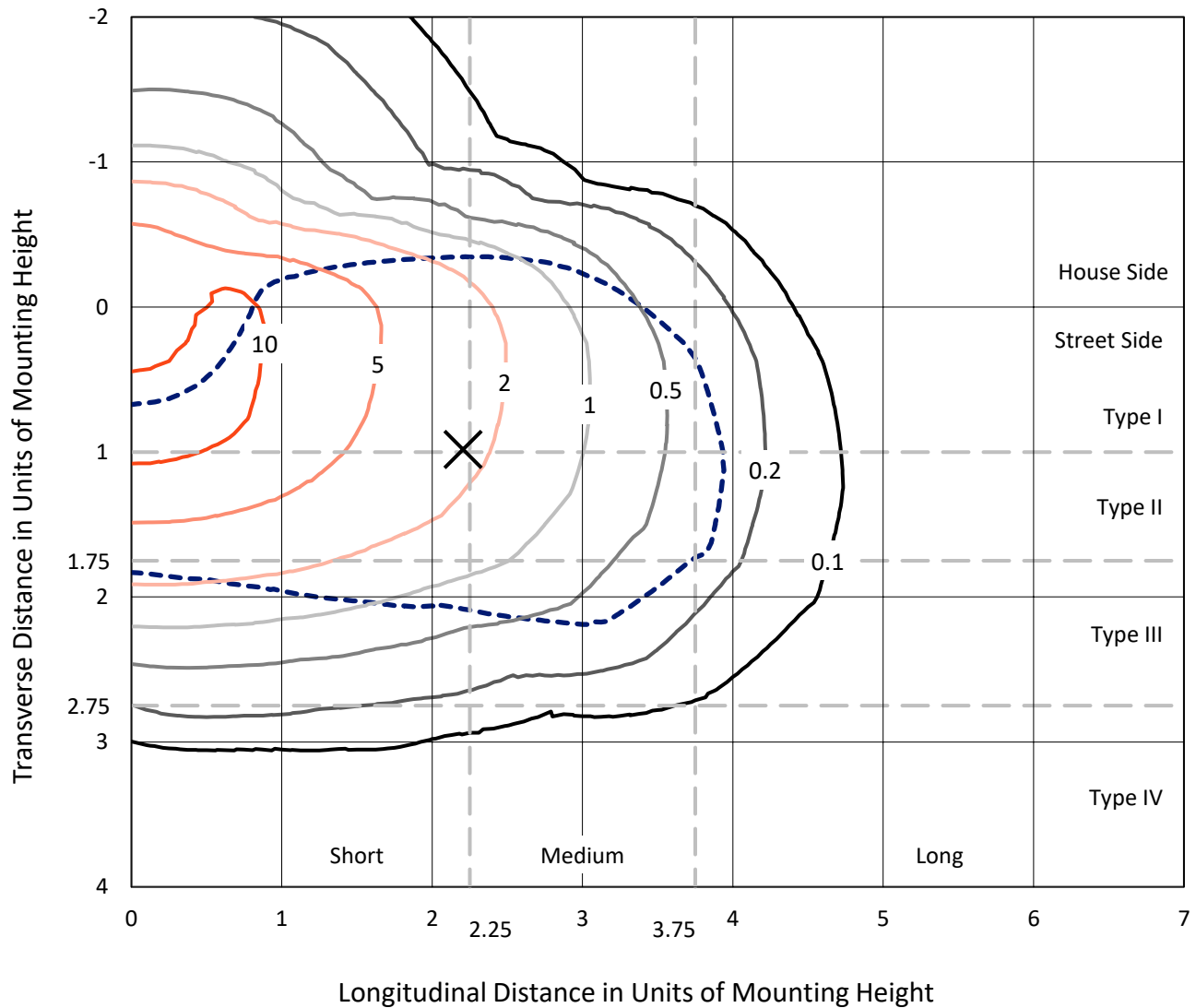


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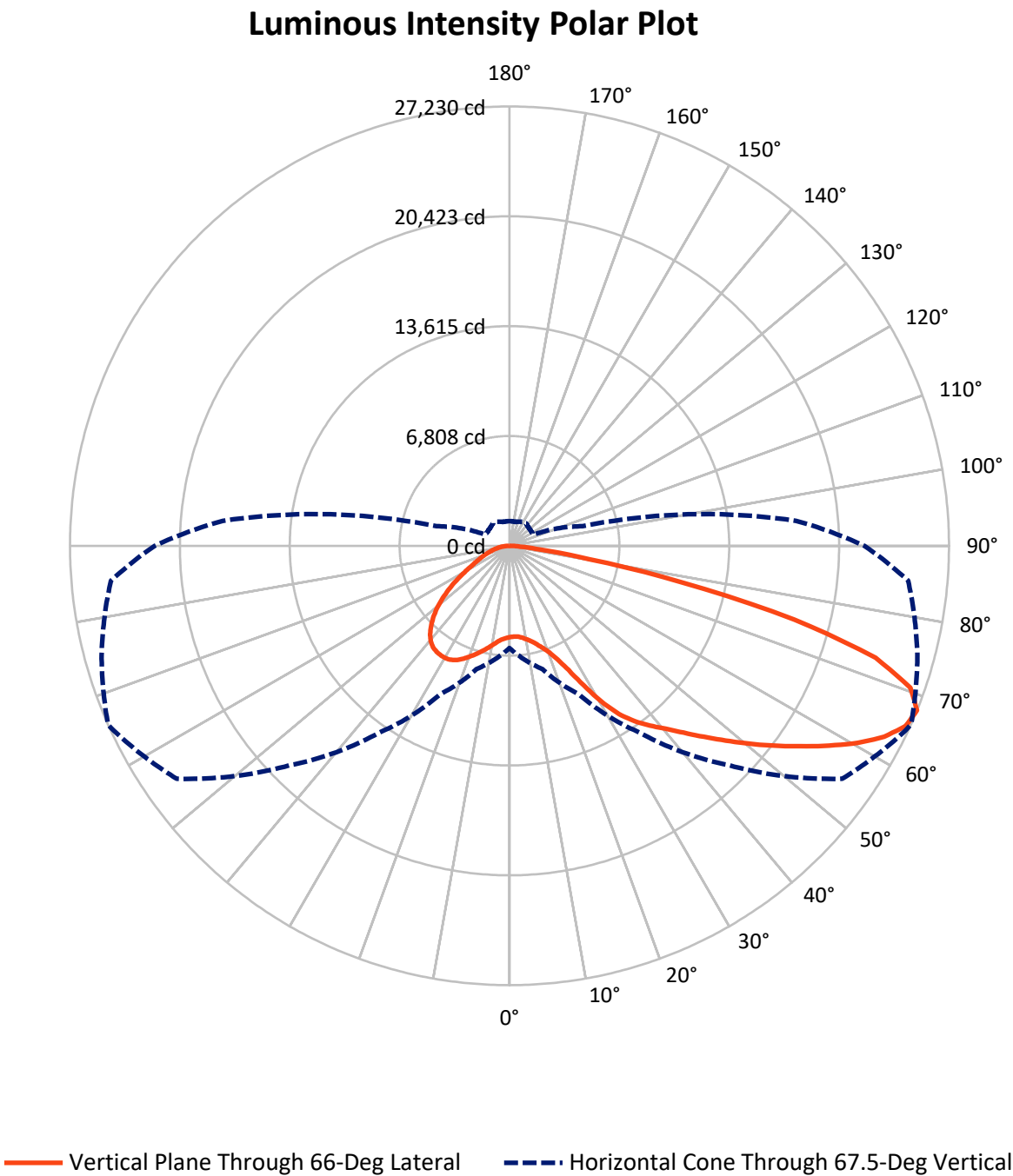
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
Type III - Short - N/A

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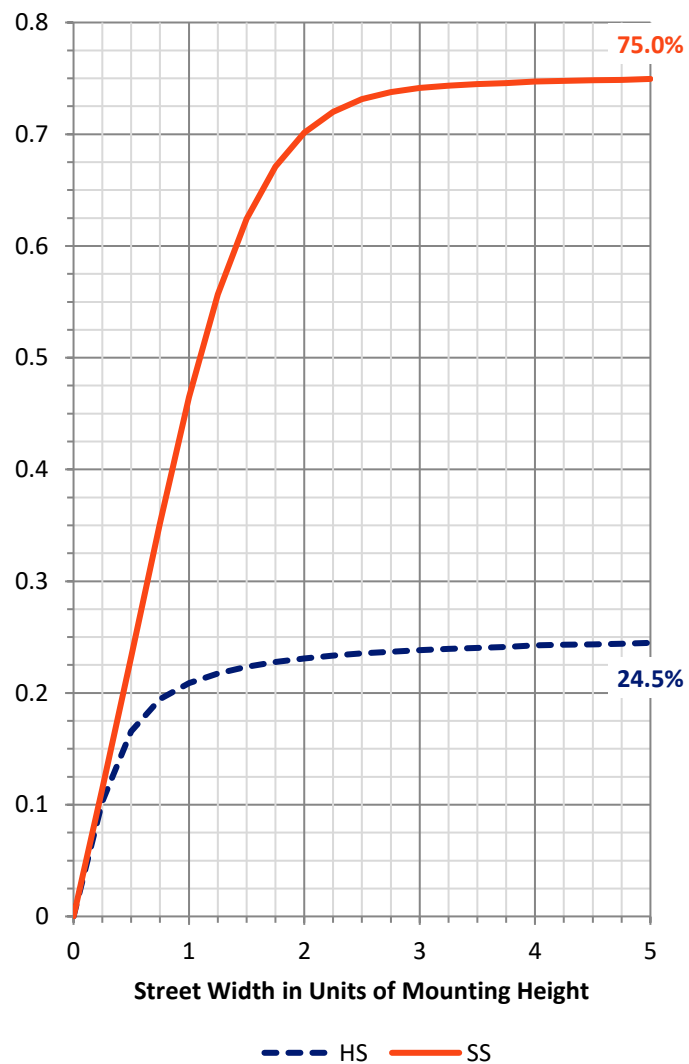
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12683.7	0.0	12683.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	38327.3	0.0	38327.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	51011.0	0.0	51011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.9	1.1
10°-20°	1853.3	3.6
20°-30°	3572.1	7.0
30°-40°	6263.3	12.3
40°-50°	9311.4	18.3
50°-60°	11803.1	23.1
60°-70°	11549.1	22.6
70°-80°	5509.0	10.8
80°-90°	588.8	1.2
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°	51011.0	100.0
0°-180°	51011.0	100.0

Coefficient of Utilization



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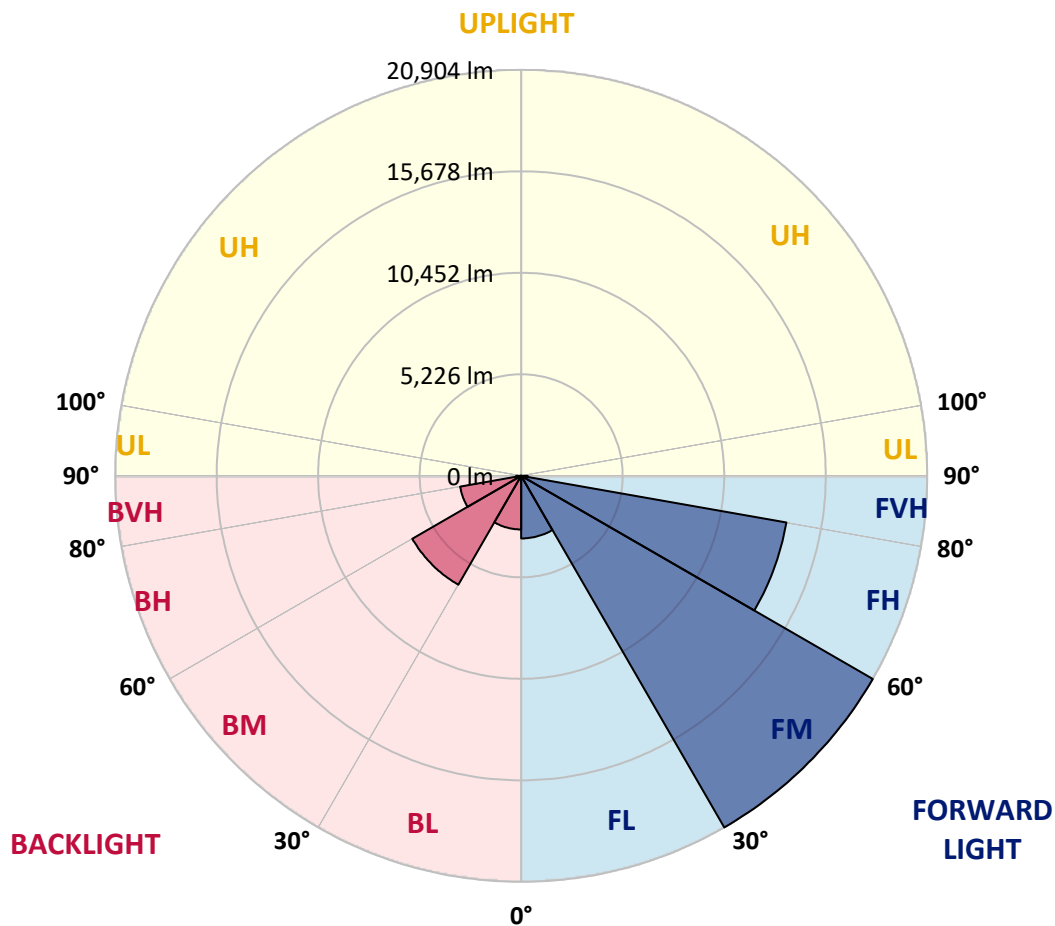
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3223.4	6.3			
FM	(30°-60°)	20903.9	41.0			
FH	(60°-80°)	13866.2	27.2			G5
FVH	(80°-90°)	333.8	0.7			G3/500
BL	(0°-30°)	2763.0	5.4	B4/5000		
BM	(30°-60°)	6473.9	12.7	B4/8500		
BH	(60°-80°)	3191.9	6.3	B4/5000		G4/5000
BVH	(80°-90°)	255.0	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8
2.5°	5598.8	5631.0	5623.0	5609.6	5606.9	5612.2	5620.3	5628.3	5625.6	5639.0	5660.5
5°	5582.7	5614.9	5612.2	5612.2	5623.0	5644.4	5657.8	5671.2	5657.8	5673.9	5703.4
7.5°	5593.5	5617.6	5628.3	5639.0	5665.8	5706.0	5738.2	5767.7	5751.6	5770.4	5807.9
10°	5730.2	5748.9	5759.6	5759.6	5778.4	5824.0	5856.1	5909.7	5896.3	5925.8	5974.1
12.5°	5979.4	5998.2	5998.2	5987.5	6000.9	6030.3	6041.1	6100.0	6075.9	6124.1	6172.4
15°	6284.9	6322.5	6293.0	6274.2	6279.6	6309.1	6306.4	6352.0	6327.8	6368.0	6410.9
17.5°	6622.6	6670.9	6622.6	6620.0	6609.2	6641.4	6644.1	6684.3	6641.4	6670.9	6700.4
20°	7022.0	7089.0	7048.8	7062.2	7038.1	7051.5	7064.9	7123.8	7056.8	7078.3	7070.2
22.5°	7584.8	7665.2	7622.3	7673.3	7657.2	7646.5	7643.8	7748.3	7643.8	7651.8	7574.1
25°	8404.9	8501.4	8426.4	8496.1	8496.1	8530.9	8571.1	8705.1	8530.9	8480.0	8279.0
27.5°	9616.4	9712.9	9565.5	9608.3	9594.9	9680.7	9637.8	9970.2	9782.5	9699.5	9294.8
30°	11074.4	11245.9	10967.2	10956.4	10943.0	11079.7	11141.4	11361.2	11170.9	11087.8	10600.0
32.5°	12650.3	12829.9	12497.5	12401.0	12350.1	12433.2	12382.3	12559.2	12427.8	12299.2	11696.2
35°	14317.4	14494.2	14178.0	13990.4	13786.7	13612.5	13430.2	13475.8	13352.5	13156.9	12532.4
37.5°	15893.3	16217.6	15882.6	15681.6	15306.3	14966.0	14456.7	14245.0	14129.7	13950.2	13320.3
40°	17498.7	17683.6	17429.0	17257.5	16850.1	16316.7	15502.0	15054.4	14898.9	14724.7	14191.4
42.5°	18680.6	18857.5	18720.8	18602.9	18284.0	17664.9	16611.6	16051.4	15826.3	15630.6	15177.7
45°	19618.7	19750.0	19664.3	19707.1	19570.4	18970.1	17761.3	17120.8	16887.6	16649.1	16292.6
47.5°	19996.6	20136.0	20272.6	20527.3	20760.4	20318.2	18996.9	18278.6	18032.0	17788.1	17437.0
50°	19953.7	20095.8	20492.4	21033.8	21757.4	21610.0	20299.4	19511.5	19283.7	19004.9	18680.6
52.5°	19610.6	19771.5	20280.7	21181.2	22333.7	22577.6	21626.1	20784.6	20570.1	20237.8	19913.5
55°	18710.1	18806.6	19570.4	20846.2	22470.4	23253.0	22926.0	22140.7	21926.3	21462.6	21108.9
57.5°	17040.4	17179.8	18292.0	19943.0	22127.3	23711.3	24067.7	23566.5	23360.2	22692.8	22323.0
60°	14861.4	15083.9	16356.9	18426.0	21253.6	23708.6	25105.0	24968.3	24796.7	23904.2	23518.3
62.5°	12395.7	12653.0	13877.8	16281.9	19725.9	23035.9	25753.5	26142.2	26053.7	25021.9	24528.7
65°	9519.9	9696.8	10916.2	13507.9	17348.6	21591.3	25828.6	26943.5	26959.6	25871.5	25056.7
67.5°	6338.6	6847.8	7906.4	10136.3	14164.6	19230.1	25169.3	27074.9	27230.3	26163.6	24791.4
70°	3092.9	3762.9	4800.1	6587.8	10136.3	15609.2	23445.9	25997.4	26343.2	25311.3	23210.1
72.5°	1283.8	1500.9	2066.4	3251.0	5818.6	10533.0	19983.2	23076.1	23716.6	22427.5	19514.2
75°	865.7	938.1	1181.9	1667.1	2650.7	5194.1	14411.2	17206.6	18238.4	16938.5	13845.6
77.5°	667.4	712.9	860.3	1165.9	1575.9	1964.5	7713.5	10369.5	10902.8	10093.4	7204.2
80°	525.3	560.2	643.2	849.6	1117.6	1050.6	2629.2	4698.3	5006.5	4199.8	2315.6
82.5°	455.6	469.0	461.0	576.2	742.4	613.8	863.0	1734.1	1913.6	1388.3	755.8
85°	329.7	367.2	383.3	356.5	394.0	310.9	353.8	613.8	675.4	603.0	426.1
87.5°	134.0	198.3	243.9	230.5	144.7	88.4	109.9	179.6	206.4	225.1	139.4
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°	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8	5657.8
2.5°	5663.2	5681.9	5695.3	5711.4	5722.1	5738.2	5770.4	5789.1	5791.8	5805.2	5802.5
5°	5714.1	5740.9	5770.4	5813.2	5861.5	5901.7	5963.3	6006.2	6022.3	6035.7	6033.0
7.5°	5824.0	5861.5	5915.1	5990.1	6059.8	6113.4	6188.5	6239.4	6290.3	6309.1	6311.8
10°	5987.5	6041.1	6118.8	6220.6	6295.7	6365.4	6443.1	6486.0	6536.9	6558.3	6569.0
12.5°	6191.1	6247.4	6349.3	6491.3	6561.0	6609.2	6636.0	6625.3	6636.0	6654.8	6660.2
15°	6424.3	6486.0	6601.2	6754.0	6802.2	6759.3	6700.4	6646.8	6638.7	6644.1	6662.8
17.5°	6700.4	6745.9	6879.9	7008.6	6973.7	6796.9	6668.2	6582.4	6539.6	6526.2	6544.9
20°	7086.3	7086.3	7196.2	7276.6	7043.4	6743.3	6542.2	6402.9	6314.4	6276.9	6268.9
22.5°	7555.3	7512.5	7582.1	7525.9	7030.0	6593.2	6314.4	6073.2	5939.2	5885.6	5877.6
25°	8150.3	8099.4	8080.6	7732.2	6933.5	6354.6	5901.7	5609.6	5491.6	5462.1	5467.5
27.5°	9048.2	8919.5	8675.6	7844.8	6756.7	5979.4	5419.3	5148.6	5081.6	5084.2	5092.3
30°	10243.5	9986.2	9388.6	7863.6	6467.2	5448.7	4926.1	4733.1	4701.0	4714.4	4759.9
32.5°	11350.4	11106.5	10117.6	7777.8	6022.3	4928.8	4483.9	4355.2	4307.0	4323.1	4344.5
35°	12218.8	12151.8	10793.0	7657.2	5475.5	4441.0	4087.2	3977.3	3883.5	3862.1	3878.2
37.5°	13038.9	13012.1	11299.5	7488.3	4934.2	4095.3	3768.3	3623.6	3486.9	3411.8	3414.5
40°	13939.5	13912.7	11631.8	7228.4	4454.4	3795.1	3481.5	3291.2	3122.4	2985.7	2999.1
42.5°	14952.5	14794.4	11790.0	6855.8	4047.0	3540.5	3248.3	2991.0	2768.6	2642.6	2650.7
45°	16059.5	15703.0	11787.3	6381.4	3704.0	3307.3	2999.1	2634.6	2428.2	2310.3	2304.9
47.5°	17233.4	16571.4	11642.6	5856.1	3371.6	3050.0	2613.1	2334.4	2197.7	2125.4	2109.3
50°	18444.8	17383.4	11396.0	5253.1	3031.2	2757.9	2371.9	2181.6	2077.1	2010.1	1986.0
52.5°	19583.8	18120.5	11098.5	4569.7	2685.5	2473.8	2264.7	2117.3	2007.4	1932.4	1900.2
55°	20642.5	18755.7	10677.7	3870.1	2404.1	2283.5	2213.8	2090.5	1964.5	1876.1	1841.3
57.5°	21583.2	19168.4	9951.4	3213.5	2203.1	2152.2	2160.2	2045.0	1900.2	1825.2	1776.9
60°	22365.8	19471.3	8876.7	2605.1	2039.6	2023.5	2077.1	1959.2	1790.3	1704.6	1667.1
62.5°	22834.9	19465.9	7558.0	2133.4	1900.2	1905.6	1967.2	1852.0	1680.5	1600.0	1575.9
65°	22794.7	18988.9	6110.7	1825.2	1766.2	1771.6	1852.0	1734.1	1589.3	1541.1	1538.4
67.5°	21987.9	17825.7	4687.6	1624.2	1618.8	1642.9	1736.7	1653.7	1533.0	1527.7	1535.7
70°	19803.6	15410.9	3377.0	1463.4	1466.0	1500.9	1624.2	1602.7	1503.6	1514.3	1511.6
72.5°	15879.9	11749.8	2267.4	1294.5	1297.2	1353.5	1517.0	1562.5	1474.1	1616.1	1637.6
75°	10575.9	7327.5	1458.0	1114.9	1117.6	1190.0	1423.2	1484.8	1393.7	1610.8	1624.2
77.5°	5081.6	3293.9	1056.0	938.1	938.1	1005.1	1230.2	1329.4	1187.3	1251.6	1147.1
80°	1755.5	1238.2	830.8	755.8	739.7	785.3	1037.2	1152.5	1023.8	943.4	884.4
82.5°	691.5	643.2	667.4	587.0	533.3	562.8	806.7	951.5	753.1	680.8	678.1
85°	396.7	418.1	471.7	388.6	308.2	345.7	592.3	683.4	568.2	501.2	511.9
87.5°	107.2	147.4	217.1	201.0	139.4	147.4	281.4	377.9	327.0	251.9	260.0
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)