

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: STREETWORKS

Report Number: P940652

Luminaire Tested: **GLAN-SB3D-827-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26317 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

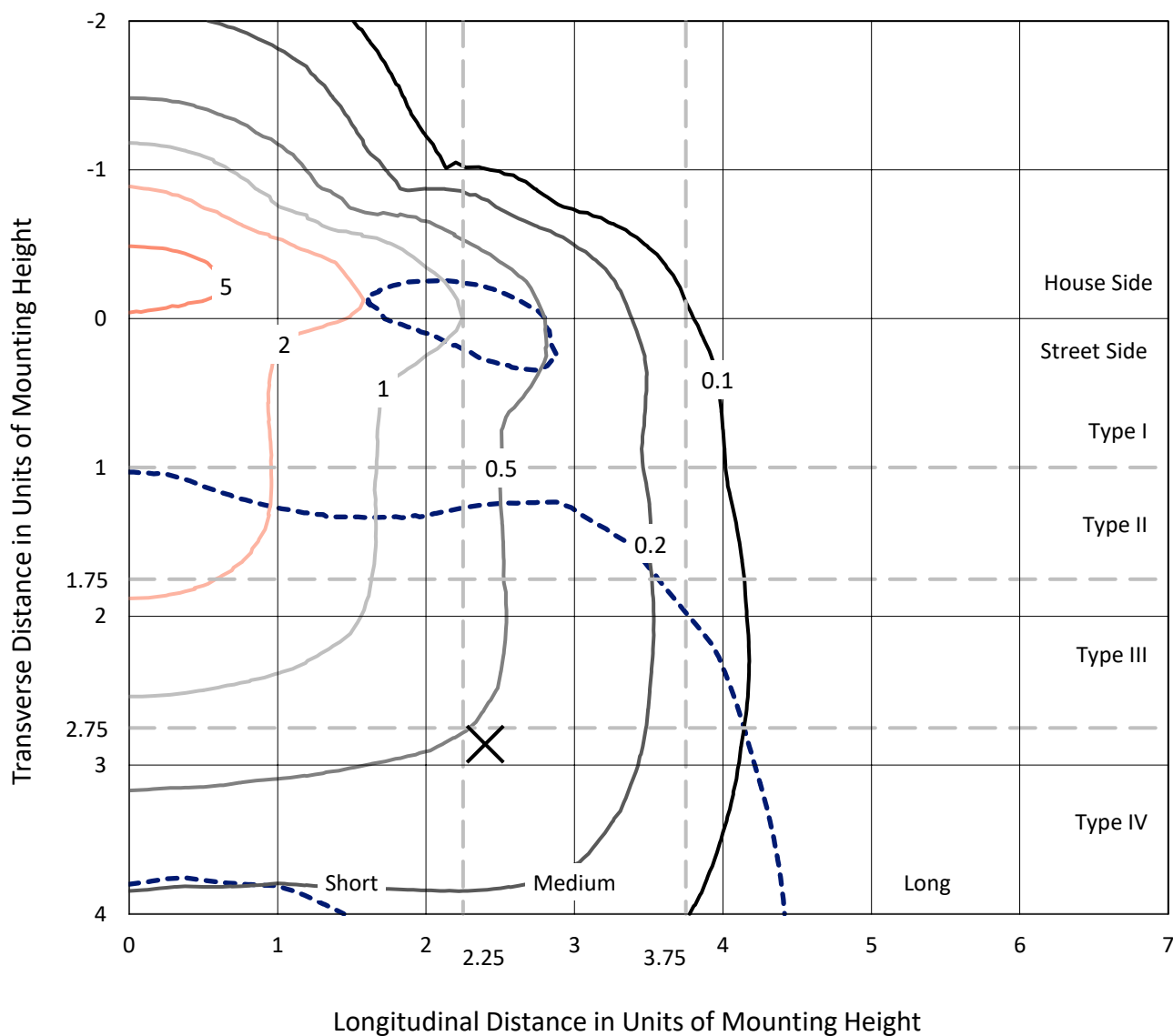
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

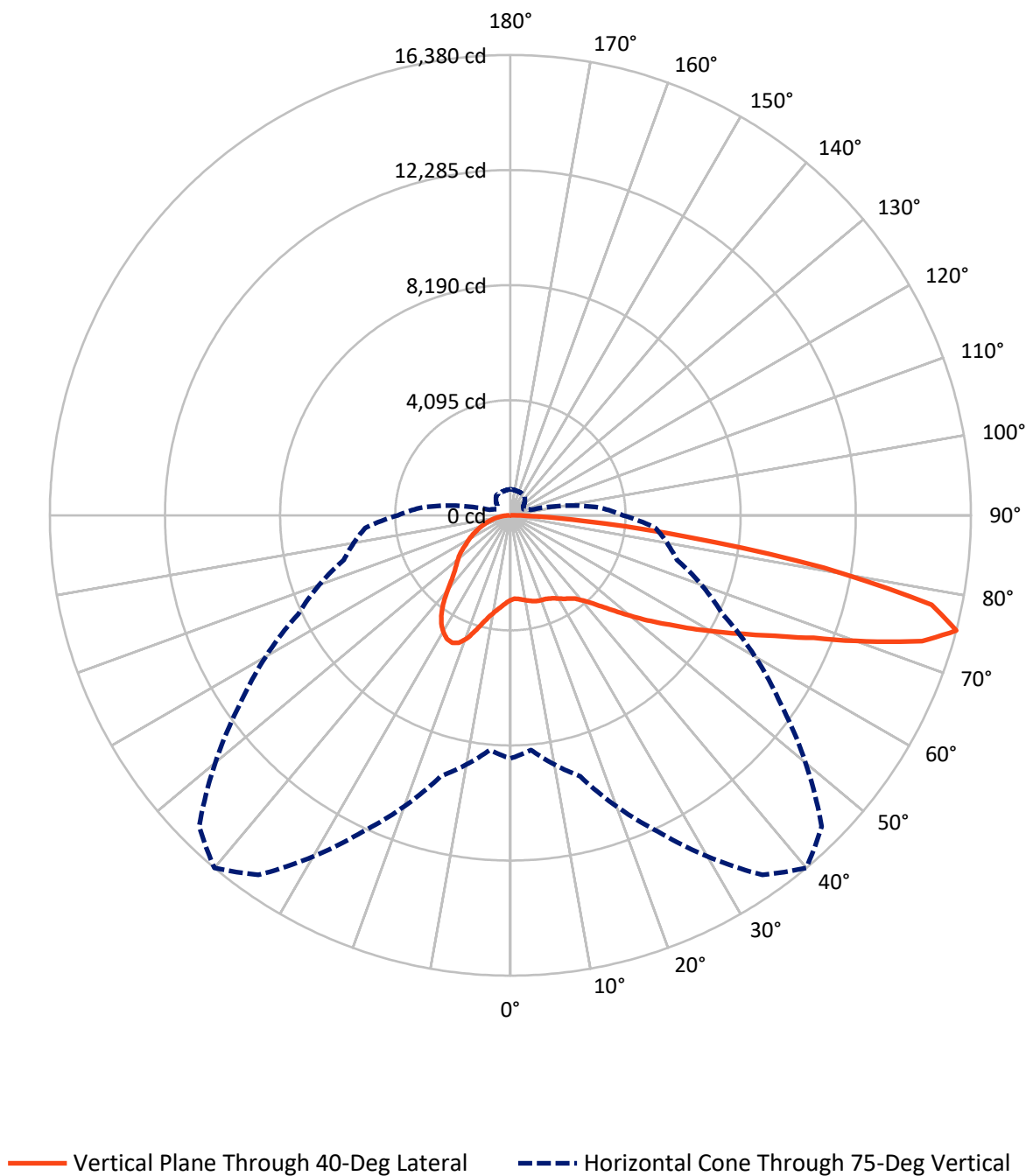
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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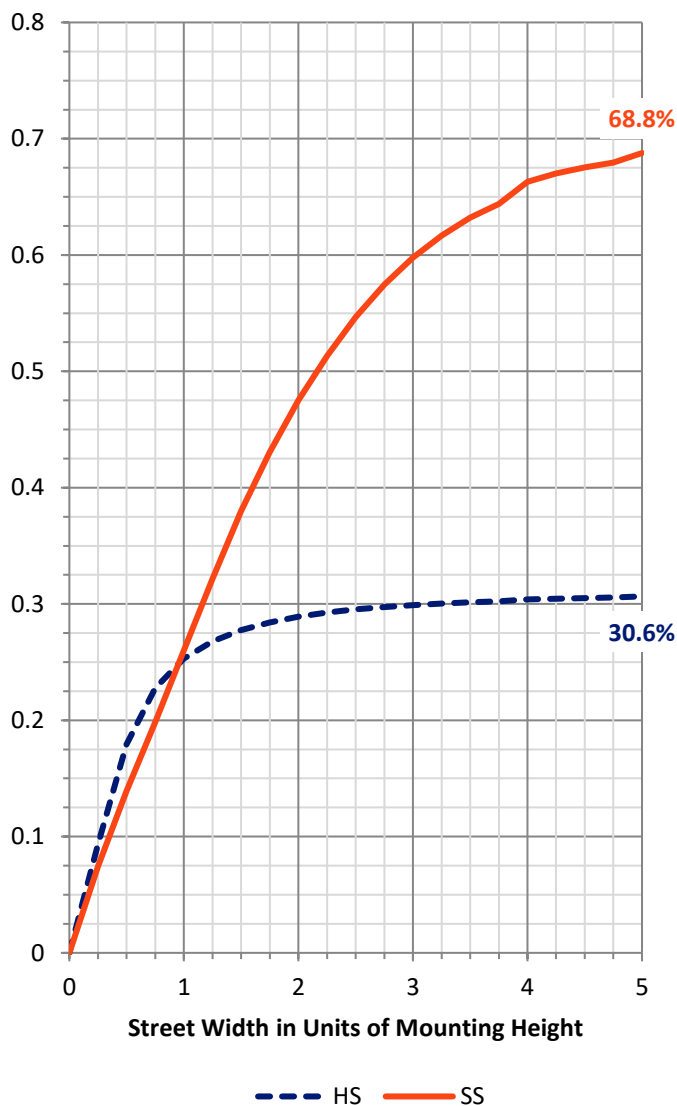
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8153.9	0.0	8153.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18163.1	0.0	18163.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	26317.0	0.0	26317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.4	1.1
10°-20°	1008.6	3.8
20°-30°	1841.6	7.0
30°-40°	2611.8	9.9
40°-50°	3526.7	13.4
50°-60°	4744.4	18.0
60°-70°	6021.8	22.9
70°-80°	5465.1	20.8
80°-90°	796.6	3.0
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°	26317.0	100.0
0°-180°	26317.0	100.0

Coefficient of Utilization



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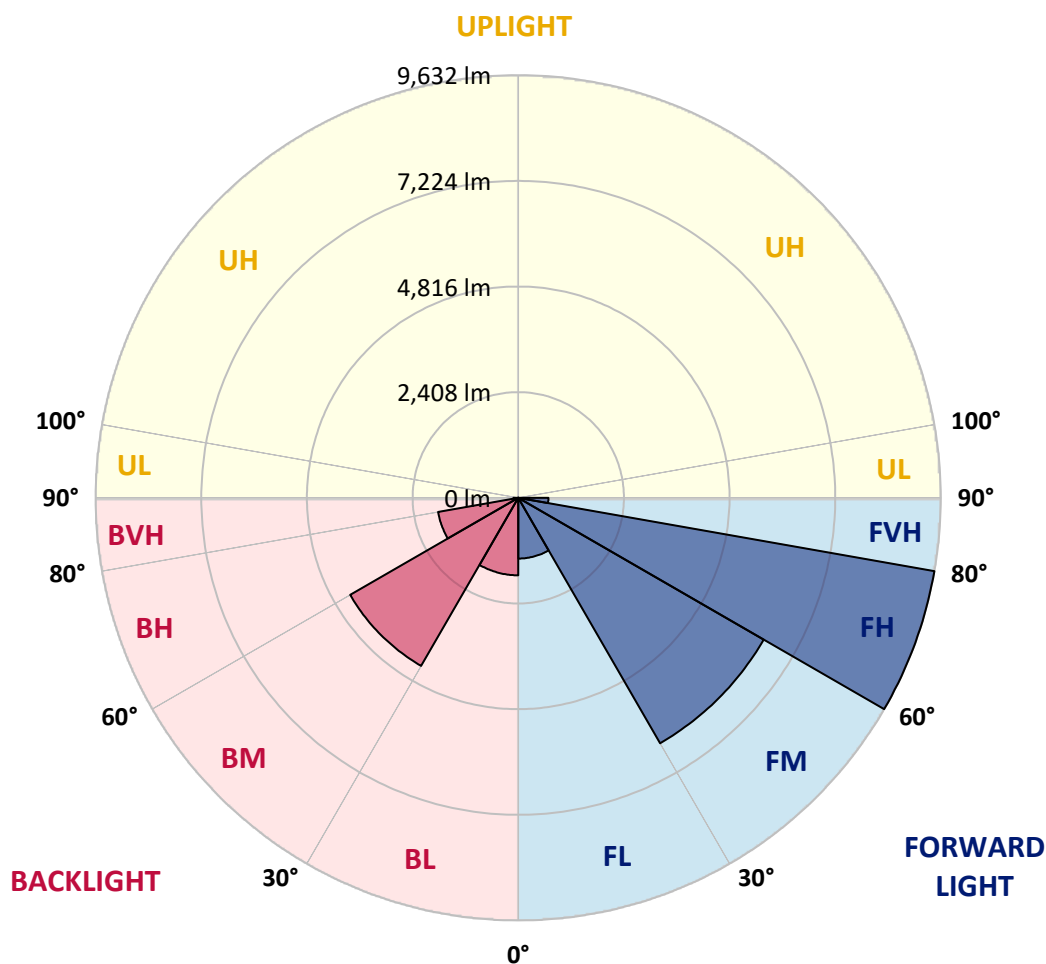
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1384.3	5.3			
FM	(30°-60°)	6460.2	24.5			
FH	(60°-80°)	9631.6	36.6			G4/12000
FVH	(80°-90°)	687.0	2.6			G4/750
BL	(0°-30°)	1766.2	6.7	B3/2500		
BM	(30°-60°)	4422.7	16.8	B3/5000		
BH	(60°-80°)	1855.3	7.0	B3/2500		G3/2500
BVH	(80°-90°)	109.7	0.4			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°	40°	45°	55°	65°	75°
0°	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4
2.5°	2963.3	2980.1	2975.9	2970.3	2970.3	2971.7	2970.3	2980.1	2989.8	2999.6
5°	2994.0	3010.8	3002.4	2995.4	2989.8	2988.4	2984.3	2982.9	2988.4	3001.0
7.5°	3054.1	3070.8	3058.2	3045.7	3034.5	3028.9	3023.3	3015.0	3010.8	3017.8
10°	3121.0	3137.8	3122.4	3100.1	3082.0	3075.0	3069.4	3061.0	3055.4	3059.6
12.5°	3188.0	3204.8	3183.9	3153.2	3129.4	3125.2	3118.3	3115.5	3114.1	3112.7
15°	3250.9	3264.8	3238.3	3202.0	3176.9	3169.9	3162.9	3167.1	3174.1	3182.5
17.5°	3299.7	3313.7	3274.6	3227.1	3203.4	3200.6	3196.4	3210.4	3229.9	3250.9
20°	3344.4	3358.3	3308.1	3243.9	3216.0	3216.0	3217.4	3246.7	3274.6	3305.3
22.5°	3407.2	3418.4	3356.9	3269.0	3228.5	3231.3	3242.5	3271.8	3306.7	3348.6
25°	3500.7	3509.1	3433.7	3316.5	3270.4	3278.8	3288.5	3302.5	3336.0	3384.9
27.5°	3651.5	3658.4	3559.3	3400.2	3330.4	3344.4	3358.3	3348.6	3363.9	3405.8
30°	3863.6	3867.8	3742.2	3531.4	3432.3	3439.3	3442.1	3401.6	3372.3	3405.8
32.5°	4114.9	4113.5	3964.1	3690.5	3548.2	3541.2	3517.5	3437.9	3369.5	3398.8
35°	4504.3	4489.0	4296.3	3913.9	3679.4	3636.1	3580.3	3478.4	3383.5	3391.8
37.5°	5149.2	5101.7	4835.1	4279.6	3874.8	3764.5	3682.2	3544.0	3414.2	3389.0
40°	5876.4	5816.4	5523.3	4780.7	4167.9	3990.6	3858.0	3637.5	3464.4	3401.6
42.5°	6739.0	6653.9	6338.4	5371.1	4539.2	4282.4	4082.8	3756.1	3538.4	3442.1
45°	7798.4	7685.4	7238.7	6036.9	5006.8	4664.8	4398.2	3936.2	3651.5	3520.3
47.5°	8869.0	8896.9	8261.8	6799.0	5567.9	5136.6	4793.2	4207.0	3816.2	3645.9
50°	10006.6	10026.2	9279.4	7643.5	6204.4	5669.8	5237.1	4509.9	4045.1	3824.5
52.5°	10894.4	10897.2	10203.4	8527.1	6867.4	6256.1	5715.9	4856.1	4310.3	4061.8
55°	11449.9	11442.9	10851.1	9363.1	7629.5	6871.6	6246.3	5249.7	4634.1	4341.0
57.5°	11853.3	11832.4	11297.8	10082.0	8441.9	7598.8	6846.5	5696.3	5016.6	4673.2
60°	12006.8	11994.3	11600.6	10703.1	9296.1	8402.8	7538.8	6196.0	5450.7	5065.4
62.5°	12065.5	12089.2	11898.0	11304.7	10210.4	9293.4	8299.5	6793.4	5939.2	5509.3
65°	12272.0	12315.3	12276.2	12092.0	11243.3	10336.0	9308.7	7503.9	6472.4	5985.3
67.5°	12681.0	12724.3	12741.0	13034.2	12505.1	11635.5	10567.7	8388.9	7096.3	6479.4
70°	12671.2	12658.7	12954.6	13783.7	14085.2	13434.8	12265.1	9477.6	7840.3	6889.8
72.5°	11533.6	11433.1	12132.5	13775.3	15400.1	15313.5	14337.8	10881.8	8482.4	6940.0
75°	8652.7	8384.7	9620.0	12414.4	15619.2	16379.9	15655.5	11752.8	8330.2	6131.8
77.5°	3700.3	3430.9	4886.8	9190.1	13979.1	15312.1	14446.7	10253.7	6649.7	4054.9
80°	968.7	967.3	1476.8	4166.5	9506.9	11307.5	9920.1	6621.8	3799.4	1448.9
82.5°	400.6	390.8	543.0	1620.5	4645.3	6345.4	5178.5	2953.6	1372.1	392.2
85°	149.4	148.0	263.8	559.7	1638.7	2617.2	1894.1	755.1	342.0	191.2
87.5°	41.9	40.5	57.2	194.0	399.2	605.8	323.8	124.2	96.3	75.4
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3009.4	0°	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4	3009.4
3015.0	2.5°	3019.2	3026.1	3038.7	3048.5	3061.0	3075.0	3094.5	3107.1	3119.7	3128.0
3021.9	5°	3031.7	3047.1	3079.2	3111.3	3149.0	3183.9	3224.3	3253.7	3277.4	3284.4
3047.1	7.5°	3059.6	3084.8	3139.2	3193.6	3253.7	3310.9	3369.5	3419.8	3460.2	3475.6
3091.7	10°	3108.5	3142.0	3218.8	3295.5	3375.1	3463.0	3538.4	3611.0	3668.2	3691.9
3144.8	12.5°	3169.9	3211.8	3312.3	3418.4	3528.6	3650.1	3747.8	3837.1	3908.3	3940.4
3218.8	15°	3249.5	3303.9	3432.3	3574.7	3736.6	3905.5	4029.7	4128.8	4208.4	4247.5
3295.5	17.5°	3336.0	3408.6	3570.5	3785.5	4017.2	4239.1	4384.3	4456.8	4539.2	4576.9
3366.7	20°	3419.8	3509.1	3740.8	4053.5	4361.9	4597.8	4715.1	4734.6	4740.2	4744.4
3433.7	22.5°	3506.3	3626.3	3954.4	4391.2	4722.1	4885.4	4902.1	4818.4	4701.1	4646.7
3499.3	25°	3601.2	3760.3	4233.5	4763.9	5031.9	5051.5	4923.1	4719.3	4497.3	4395.4
3552.4	27.5°	3693.3	3915.3	4568.5	5119.9	5255.3	5083.6	4807.2	4518.3	4250.3	4142.8
3590.0	30°	3785.5	4092.5	4938.4	5431.1	5357.2	5004.0	4624.3	4301.9	4032.5	3919.5
3623.5	32.5°	3879.0	4299.1	5364.1	5655.9	5339.0	4835.1	4396.8	4059.0	3821.8	3703.1
3652.9	35°	3985.1	4553.2	5767.5	5778.7	5217.6	4586.7	4096.7	3768.7	3562.1	3467.2
3687.8	37.5°	4123.2	4875.6	6123.5	5809.4	5005.4	4222.4	3724.0	3425.3	3255.0	3211.8
3739.4	40°	4294.9	5263.6	6395.6	5760.5	4691.3	3779.9	3316.5	3077.8	2981.5	2991.2
3809.2	42.5°	4518.3	5697.7	6586.9	5634.9	4254.5	3323.4	2959.1	2853.1	2899.1	2938.2
3913.9	45°	4808.6	6148.6	6705.5	5421.4	3760.3	2936.8	2748.4	2773.5	2808.4	2812.6
4082.8	47.5°	5179.9	6605.0	6783.7	5098.9	3256.4	2664.6	2614.4	2620.0	2613.0	2583.7
4335.4	50°	5643.3	7048.9	6853.5	4671.8	2827.9	2494.3	2427.3	2407.8	2311.5	2216.6
4671.8	52.5°	6170.9	7456.5	6882.8	4141.4	2494.3	2352.0	2243.1	2120.2	1940.2	1910.9
5094.7	55°	6757.2	7833.3	6807.4	3489.5	2213.8	2169.1	2004.4	1856.4	1836.9	1811.8
5651.7	57.5°	7457.9	8239.5	6653.9	2762.3	1926.2	1955.5	1795.0	1811.8	1776.9	1737.8
6367.7	60°	8224.2	8659.7	6384.5	2099.3	1628.9	1688.9	1740.6	1739.2	1729.4	1697.3
7122.9	62.5°	8913.7	8936.0	5854.1	1608.0	1367.9	1482.4	1623.3	1621.9	1613.6	1595.4
7911.5	65°	9324.1	8894.2	4969.1	1266.0	1152.9	1312.1	1464.2	1475.4	1476.8	1475.4
8504.7	67.5°	9251.5	8404.2	3754.8	1007.8	975.7	1139.0	1306.5	1321.8	1333.0	1335.8
8580.1	70°	8430.7	7328.0	2448.3	804.0	817.9	986.8	1157.1	1172.5	1182.3	1193.4
7445.3	72.5°	6571.5	5387.9	1401.4	650.5	679.8	855.6	1009.2	1027.3	1032.9	1053.8
5181.3	75°	4004.6	3168.5	756.5	512.3	558.3	731.4	862.6	883.6	893.3	918.4
2544.6	77.5°	1903.9	1372.1	431.3	399.2	449.5	597.4	728.6	752.3	725.8	739.8
702.1	80°	643.5	509.5	272.2	304.3	343.4	466.2	583.5	607.2	551.3	548.6
233.1	82.5°	224.7	206.6	173.1	202.4	221.9	333.6	441.1	471.8	410.4	409.0
104.7	85°	87.9	83.7	96.3	110.3	132.6	205.2	290.3	305.7	252.6	203.8
30.7	87.5°	18.1	19.5	23.7	25.1	40.5	71.2	104.7	128.4	101.9	86.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
3009.4
3122.4
3287.2
3477.0
3693.3
3940.4
4244.7
4575.5
4755.6
4662.0
4410.8
4155.4
3932.0
3718.5
3488.1
3242.5
3024.7
2974.5
2840.5
2606.0
2229.1
1920.6
1816.0
1730.8
1686.1
1588.4
1475.4
1338.6
1199.0
1062.2
921.2
728.6
543.0
389.4
201.0
79.6
0.0