

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: P452469

Luminaire Tested: **GLAN-SA3B-830-U-T2-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3B-830-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10091 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

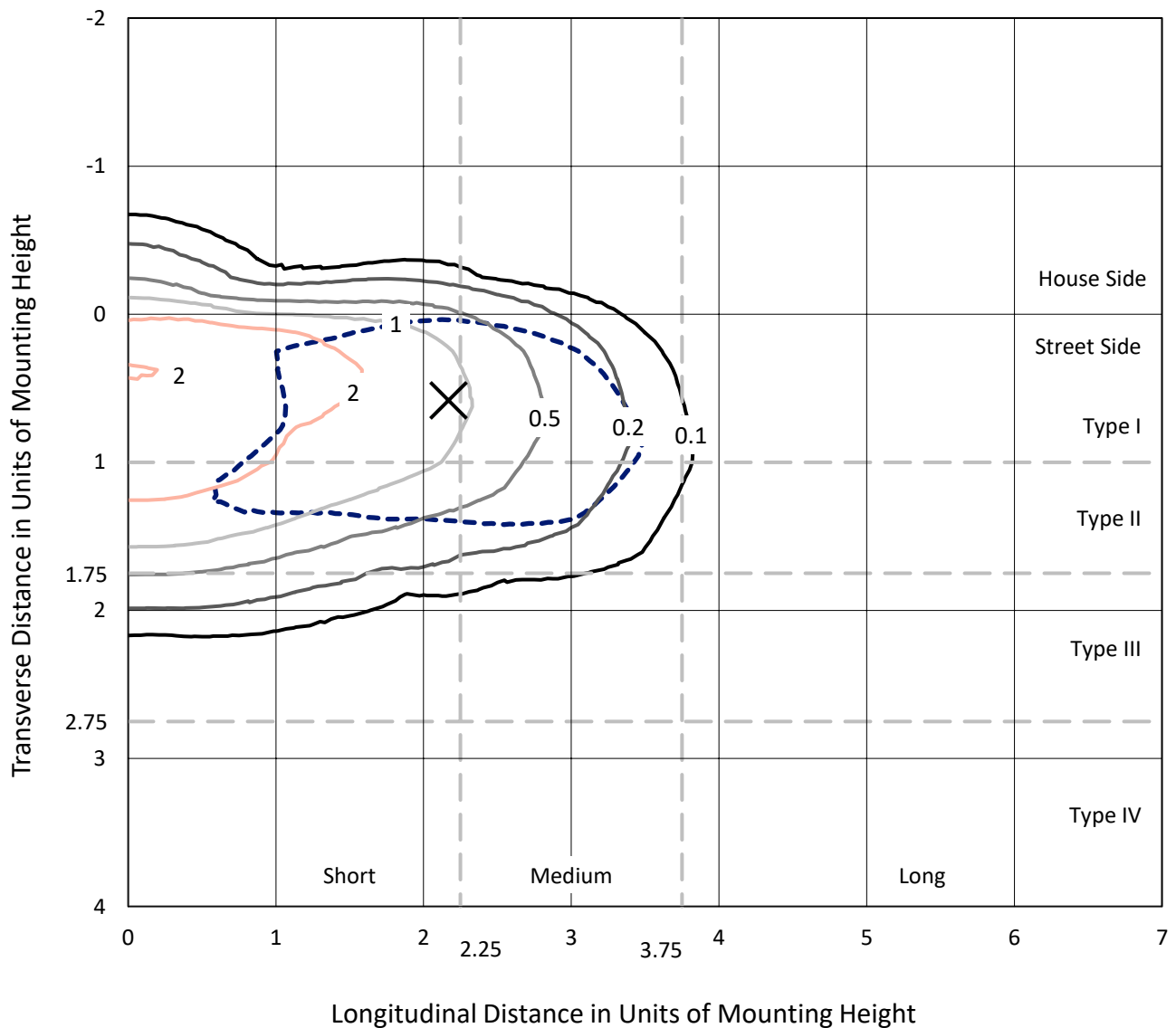
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

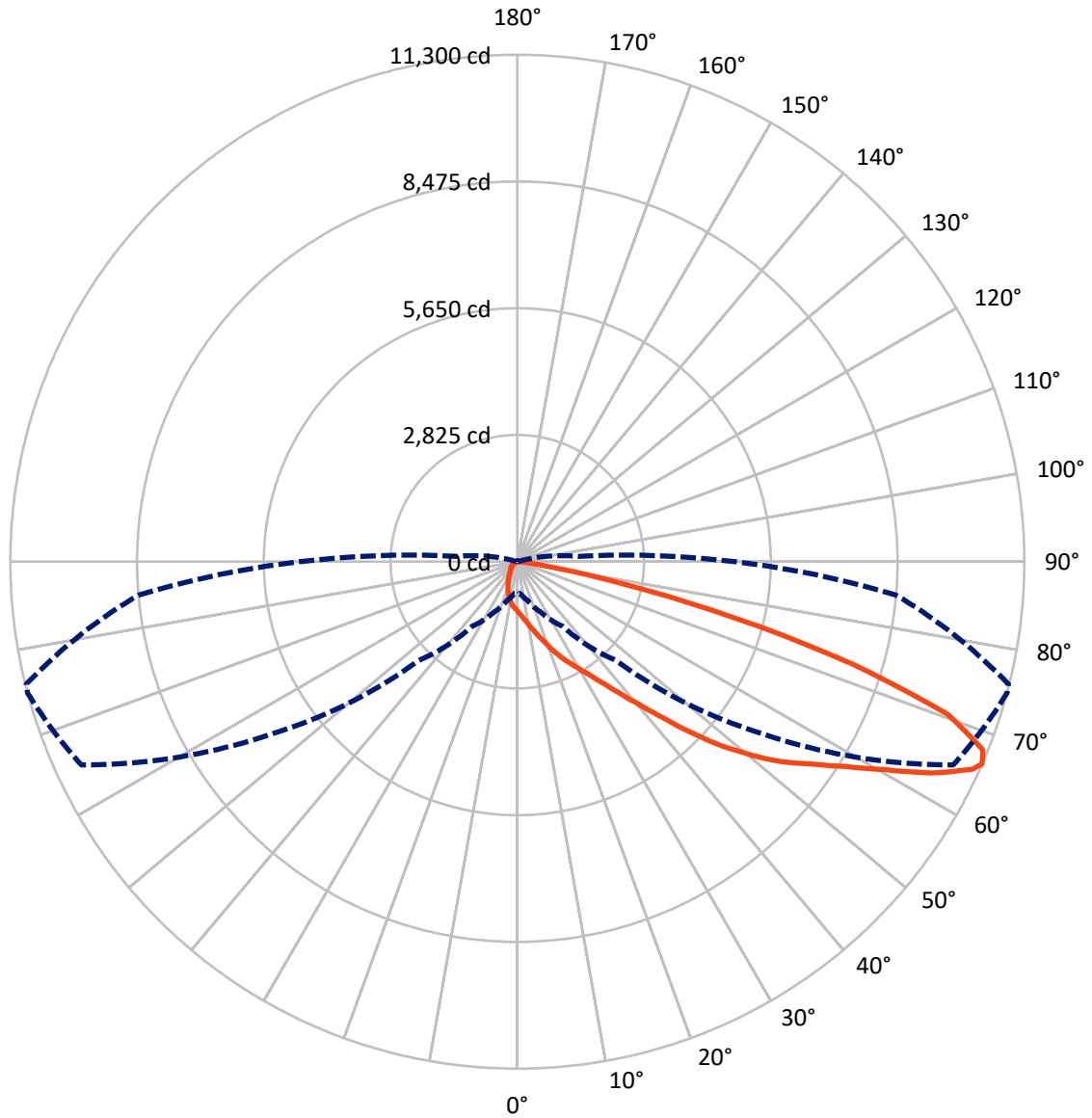
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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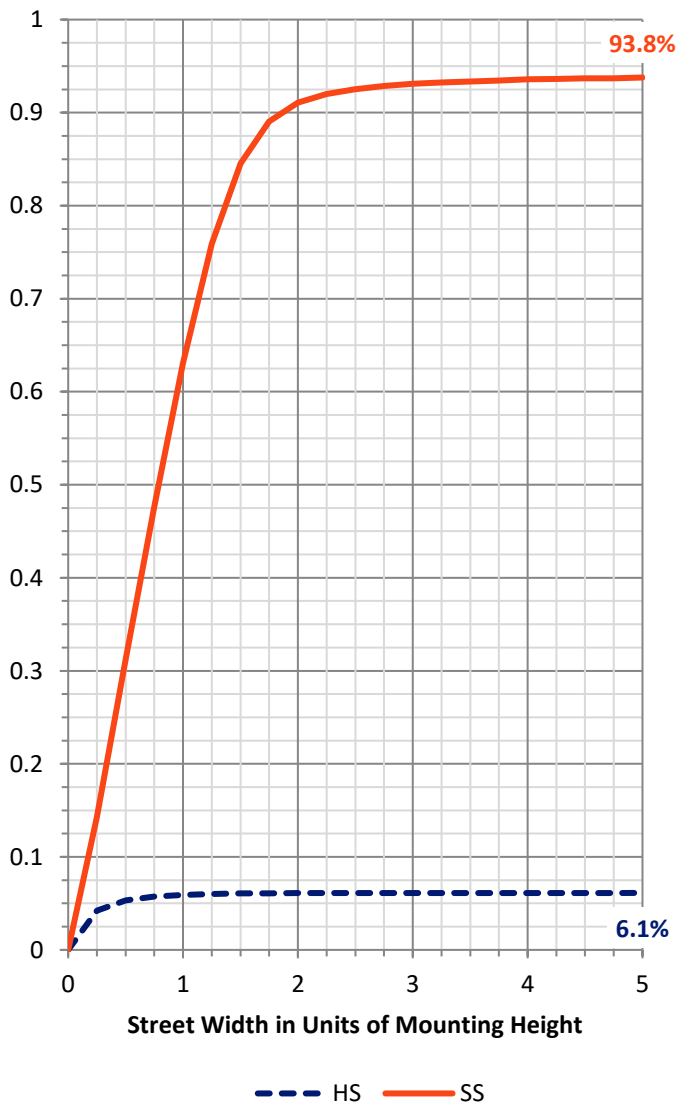
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	623.0	0.0	623.0
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	9468.0	0.0	9468.0
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	10091.0	0.0	10091.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	1.1
10°-20°	313.3	3.1
20°-30°	540.9	5.4
30°-40°	975.7	9.7
40°-50°	1762.7	17.5
50°-60°	2748.0	27.2
60°-70°	2610.5	25.9
70°-80°	978.3	9.7
80°-90°	55.2	0.5
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°	10091.0	100.0
0°-180°	10091.0	100.0



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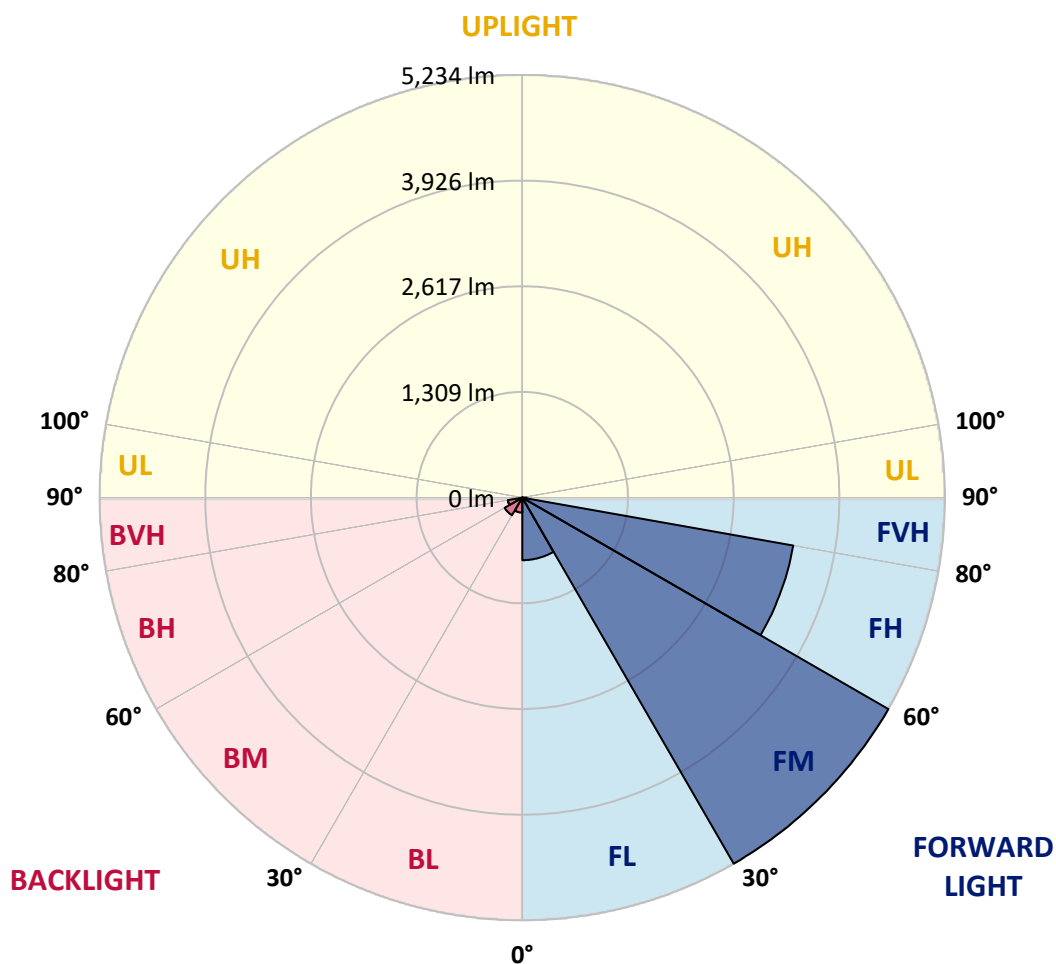
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.6	7.7			
FM (30°-60°)	5234.2	51.9			
FH (60°-80°)	3406.9	33.8			G2/5000
FVH (80°-90°)	52.3	0.5			G1/100
BL (0°-30°)	186.0	1.8	B1/500		
BM (30°-60°)	252.2	2.5	B1/1000		
BH (60°-80°)	181.9	1.8	B1/500		G1/500
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6
2.5°	1318.4	1302.0	1307.2	1299.8	1282.6	1257.3	1234.9	1202.8	1170.7	1165.5	1129.7
5°	1492.3	1487.8	1481.8	1460.2	1448.3	1409.5	1363.2	1308.0	1241.6	1229.6	1164.7
7.5°	1610.9	1608.7	1611.7	1600.5	1590.0	1555.0	1505.7	1430.4	1327.4	1320.7	1212.5
10°	1649.7	1655.7	1666.9	1684.8	1701.2	1690.0	1652.7	1558.7	1438.6	1419.2	1267.0
12.5°	1627.3	1634.1	1660.9	1708.7	1761.7	1792.2	1777.3	1708.7	1556.5	1540.8	1328.1
15°	1569.9	1578.1	1616.2	1690.0	1784.8	1871.3	1908.6	1859.4	1693.8	1668.4	1402.0
17.5°	1484.8	1496.8	1551.2	1649.0	1778.8	1928.0	2033.2	2016.8	1840.0	1816.1	1482.6
20°	1420.7	1429.6	1475.9	1587.8	1753.4	1959.4	2151.9	2198.1	2020.6	1979.5	1577.4
22.5°	1463.2	1466.2	1481.8	1549.0	1707.9	1967.6	2256.3	2386.9	2212.3	2175.8	1675.8
25°	1671.4	1641.5	1625.9	1610.9	1698.2	1960.1	2351.1	2583.9	2403.3	2364.5	1773.6
27.5°	1999.7	1986.2	1907.2	1801.2	1781.1	1969.8	2413.8	2770.4	2583.2	2541.4	1869.1
30°	2357.1	2333.9	2285.4	2130.2	1974.3	2038.5	2459.3	2951.8	2795.8	2740.6	1956.4
32.5°	2685.4	2700.3	2627.9	2468.3	2287.7	2184.7	2518.2	3149.5	3039.8	2971.2	2057.9
35°	3068.2	3098.0	2986.8	2833.9	2622.7	2448.9	2633.2	3372.6	3349.5	3262.9	2214.6
37.5°	3456.9	3474.8	3406.9	3192.0	3001.7	2784.6	2849.5	3647.9	3730.7	3656.9	2401.8
40°	3783.7	3808.3	3758.3	3567.3	3364.4	3173.4	3163.7	3947.9	4184.4	4108.3	2680.9
42.5°	4033.7	4052.3	4053.8	3918.8	3736.0	3649.4	3564.3	4330.6	4753.0	4664.9	3004.7
45°	4349.3	4376.1	4360.5	4268.7	4132.2	4116.5	4072.5	4793.2	5433.4	5322.3	3424.8
47.5°	4837.3	4855.2	4816.4	4708.2	4569.4	4594.0	4567.9	5311.8	6127.4	6031.8	3859.8
50°	5176.0	5205.9	5261.1	5304.4	5203.6	5112.6	5035.0	5796.1	6786.2	6700.4	4304.5
52.5°	5172.3	5221.5	5396.1	5614.0	5834.1	5806.5	5583.4	6331.1	7415.2	7309.3	4722.4
55°	4823.8	4919.3	5176.0	5562.5	6172.1	6475.8	6374.3	6950.4	7958.4	7886.8	5206.6
57.5°	4104.6	4162.8	4519.4	5059.6	5983.3	6790.7	7290.6	7789.8	8609.8	8576.2	5958.7
60°	2760.7	2786.9	3245.7	3913.5	5093.9	6476.6	7962.1	8805.3	9411.9	9395.5	6836.9
62.5°	1581.8	1593.0	1925.8	2489.1	3624.8	5488.7	8018.8	10058.1	10373.7	10382.6	7853.2
65°	851.4	857.3	1125.9	1461.0	2205.6	3912.0	7210.8	10744.5	11151.2	11168.3	8482.9
66°	735.0	706.6	896.1	1245.3	1754.9	3113.7	6699.6	10719.9	11300.4	11281.7	8460.6
67.5°	558.9	584.2	715.6	957.3	1300.5	2213.8	5531.2	10243.1	11187.0	11128.8	8116.6
70°	399.9	410.4	509.6	682.7	885.7	1214.7	3534.5	8507.6	10167.7	10089.4	7071.2
72.5°	258.2	269.4	361.1	493.9	640.2	663.3	1978.8	6146.8	7839.0	7827.8	5325.2
75°	184.3	194.7	238.8	353.7	481.3	410.4	952.8	4142.6	4983.5	4949.9	3294.2
77.5°	133.6	138.8	159.7	231.3	344.0	294.0	441.7	2212.3	2480.9	2598.1	1455.7
80°	76.9	81.3	111.2	141.0	232.8	200.7	211.2	887.9	915.5	871.5	455.1
82.5°	38.1	43.3	66.4	96.3	145.5	135.1	97.0	267.1	282.0	274.6	114.9
85°	9.0	11.2	37.3	63.4	70.9	60.4	47.0	78.3	97.0	94.8	44.0
87.5°	0.7	1.5	13.4	11.2	11.9	20.1	16.4	20.1	31.3	29.1	15.7
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°	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6	1103.6
2.5°	1113.3	1099.1	1058.0	1017.7	984.2	949.1	917.0	898.4	890.9	882.7	886.4
5°	1128.9	1094.6	1011.8	940.1	870.0	810.3	762.6	732.0	717.0	714.8	711.1
7.5°	1149.8	1090.9	962.5	850.6	758.8	692.4	638.0	593.9	580.5	568.6	558.9
10°	1175.2	1084.2	901.3	756.6	658.8	575.3	503.6	451.4	424.6	417.1	422.3
12.5°	1202.0	1071.5	837.2	670.0	557.4	450.7	384.3	358.2	350.7	347.7	348.5
15°	1228.9	1055.8	770.0	586.5	444.0	359.6	329.1	322.3	319.4	317.9	316.4
17.5°	1253.5	1030.4	694.7	505.1	359.6	307.4	296.2	290.3	284.3	282.0	278.3
20°	1282.6	1001.3	626.8	414.1	304.4	278.3	264.9	253.7	244.7	238.8	238.0
22.5°	1310.2	964.0	555.9	343.2	277.6	250.0	228.3	216.4	205.9	198.5	200.7
25°	1325.2	918.5	492.5	299.2	252.9	221.6	197.7	182.8	171.6	167.9	167.1
27.5°	1325.2	862.5	430.5	273.8	230.6	196.2	171.6	157.4	150.0	144.8	145.5
30°	1314.7	800.6	373.1	254.4	211.2	173.9	150.7	138.0	132.1	128.3	127.6
32.5°	1306.5	741.7	323.8	235.8	191.0	154.5	134.3	124.6	118.6	114.9	114.9
35°	1319.2	690.9	285.8	217.1	172.4	139.5	121.6	112.7	106.7	103.7	103.0
37.5°	1352.8	644.7	256.7	197.0	155.2	126.8	112.7	102.2	96.3	92.5	91.0
40°	1435.6	618.6	235.0	178.3	138.8	116.4	102.2	92.5	85.1	81.3	80.6
42.5°	1568.4	619.3	214.1	161.2	126.1	107.4	93.3	82.1	73.9	70.1	69.4
45°	1768.4	647.7	197.7	144.8	114.9	97.7	83.6	71.6	64.2	60.4	60.4
47.5°	2007.9	702.9	183.6	130.6	104.5	88.8	73.9	61.9	54.5	51.5	51.5
50°	2267.5	774.5	169.4	115.7	95.5	79.1	63.4	53.7	47.8	45.5	45.5
52.5°	2532.4	861.1	155.2	103.7	85.8	68.6	54.5	47.8	42.5	41.0	40.3
55°	2880.1	971.5	140.3	91.0	75.4	58.9	48.5	41.8	35.8	33.6	32.8
57.5°	3415.1	1137.9	123.9	79.8	61.9	49.2	41.8	35.1	28.4	24.6	23.9
60°	4060.5	1340.8	106.7	70.1	50.0	40.3	33.6	26.9	20.9	16.4	15.7
62.5°	4664.9	1469.9	90.3	58.9	39.5	30.6	23.9	20.1	14.9	10.4	9.7
65°	4932.0	1426.6	74.6	47.8	31.3	21.6	15.7	14.2	9.0	4.5	3.7
66°	4843.2	1362.5	68.6	43.3	28.4	18.7	13.4	11.9	6.7	2.2	2.2
67.5°	4581.3	1211.0	59.7	37.3	24.6	14.9	10.4	9.0	3.7	0.7	0.0
70°	3925.5	979.7	47.0	27.6	17.9	10.4	6.0	4.5	2.2	0.0	0.0
72.5°	3015.2	729.7	37.3	20.9	12.7	6.0	3.0	1.5	2.2	0.0	0.0
75°	1847.5	417.1	29.1	15.7	8.2	3.7	2.2	0.0	2.2	0.7	0.0
77.5°	820.0	187.3	19.4	10.4	6.0	3.0	1.5	0.0	1.5	0.7	0.0
80°	207.4	61.2	11.2	7.5	4.5	2.2	0.7	0.0	1.5	1.5	0.7
82.5°	56.7	22.4	8.2	6.0	3.7	2.2	0.7	0.0	1.5	1.5	1.5
85°	22.4	10.4	7.5	6.0	4.5	2.2	0.7	0.0	1.5	1.5	1.5
87.5°	10.4	7.5	7.5	6.7	5.2	2.2	0.7	0.0	1.5	0.7	1.5
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)