

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: P455263

Luminaire Tested: **GLAN-SA6B-830-U-T4W-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-830-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19397 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G4

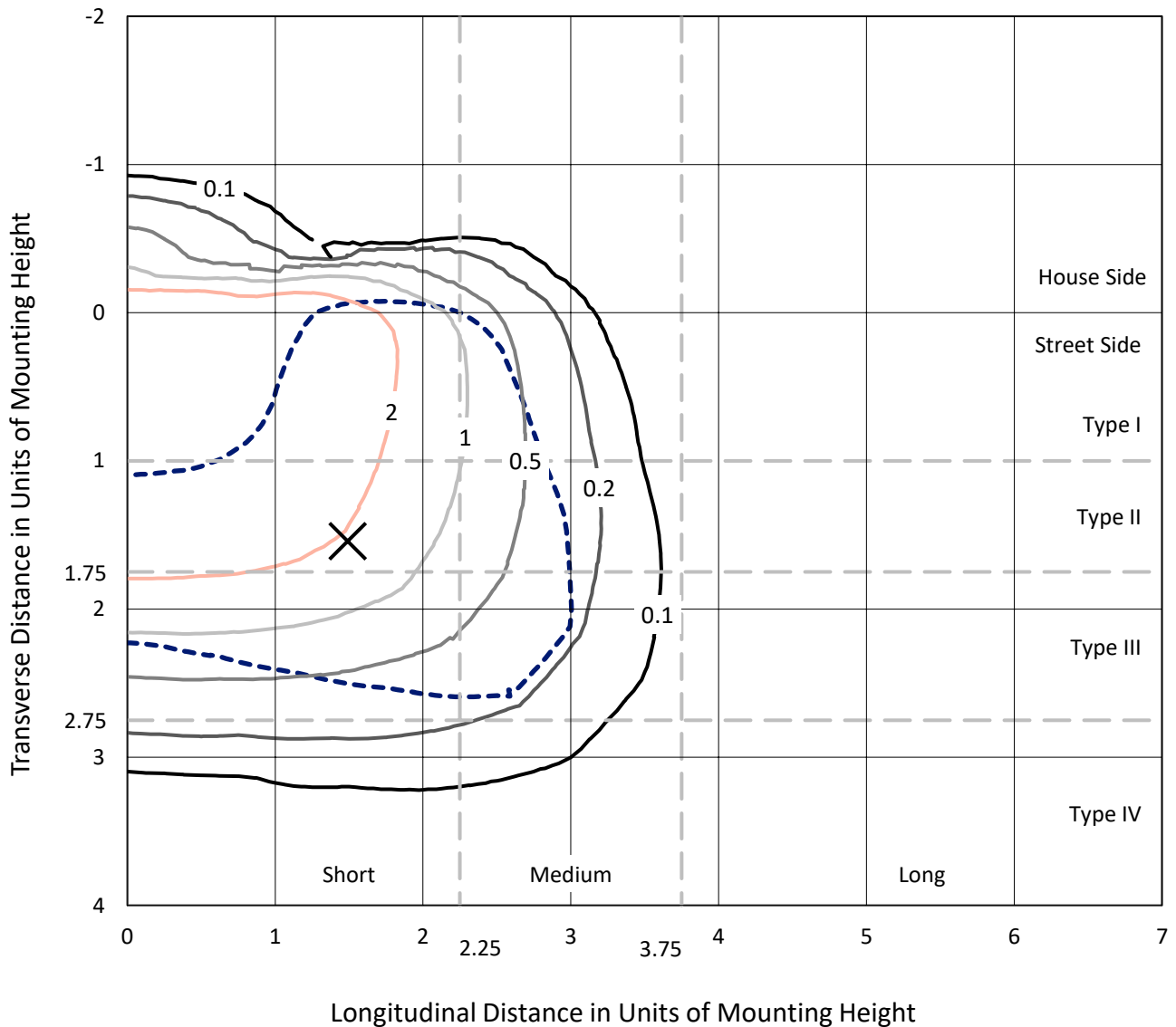
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

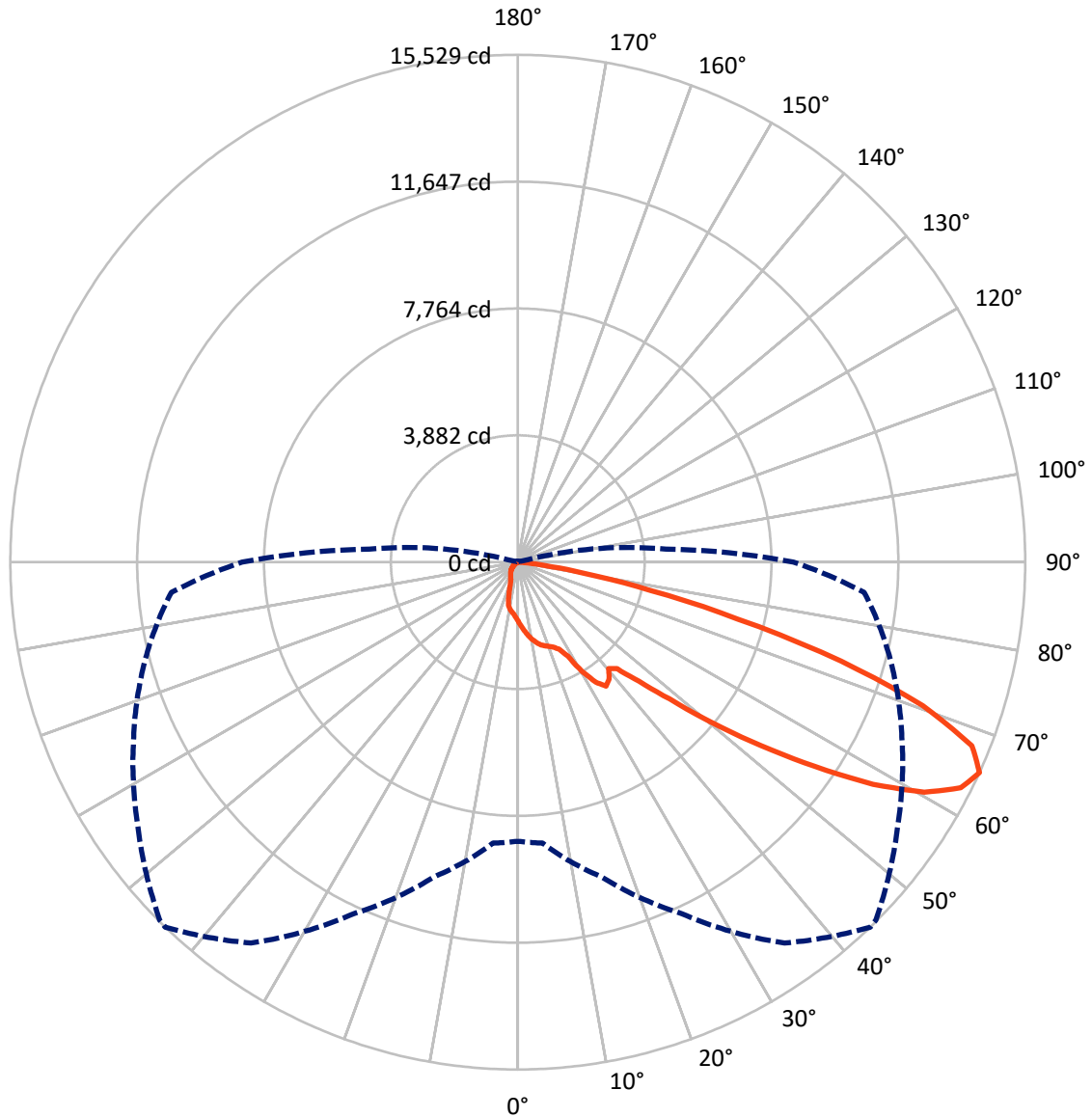
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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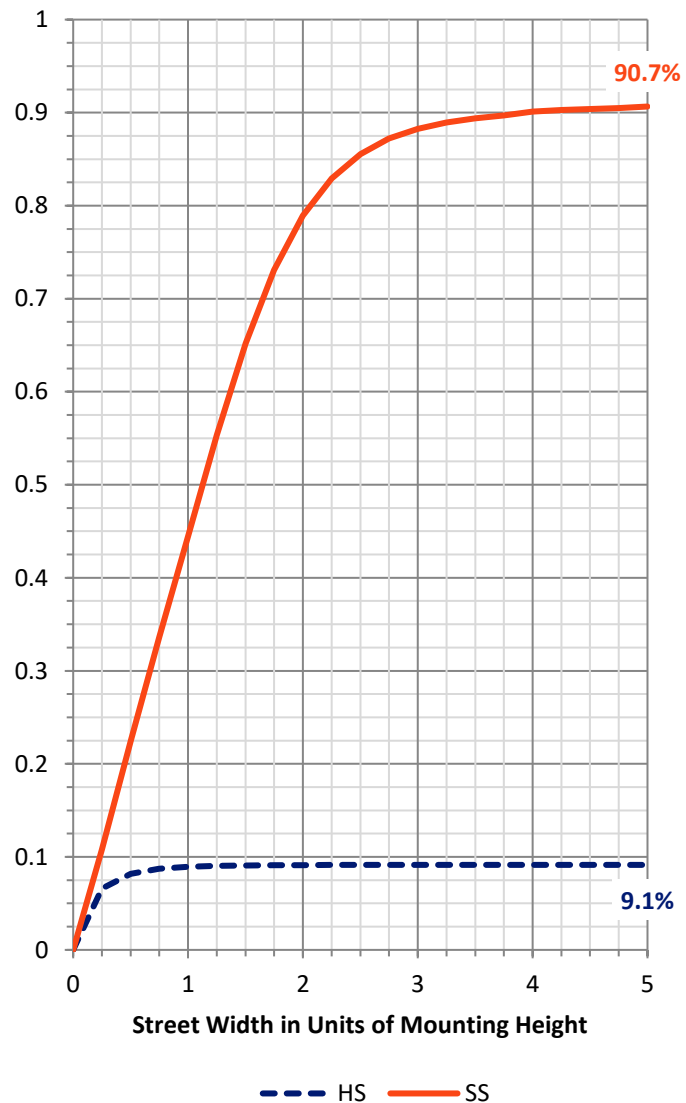
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1787.1	0.0	1787.1
	% Fixture	9.2	0.0	9.2
<b>Street Side</b>	Lumens	17609.9	0.0	17609.9
	% Fixture	90.8	0.0	90.8
<b>Total</b>	Lumens	19397.0	0.0	19397.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.5	0.9
10°-20°	540.4	2.8
20°-30°	916.3	4.7
30°-40°	1523.5	7.9
40°-50°	2660.1	13.7
50°-60°	5197.0	26.8
60°-70°	6029.7	31.1
70°-80°	2195.7	11.3
80°-90°	154.7	0.8
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°	19397.0	100.0
0°-180°	19397.0	100.0



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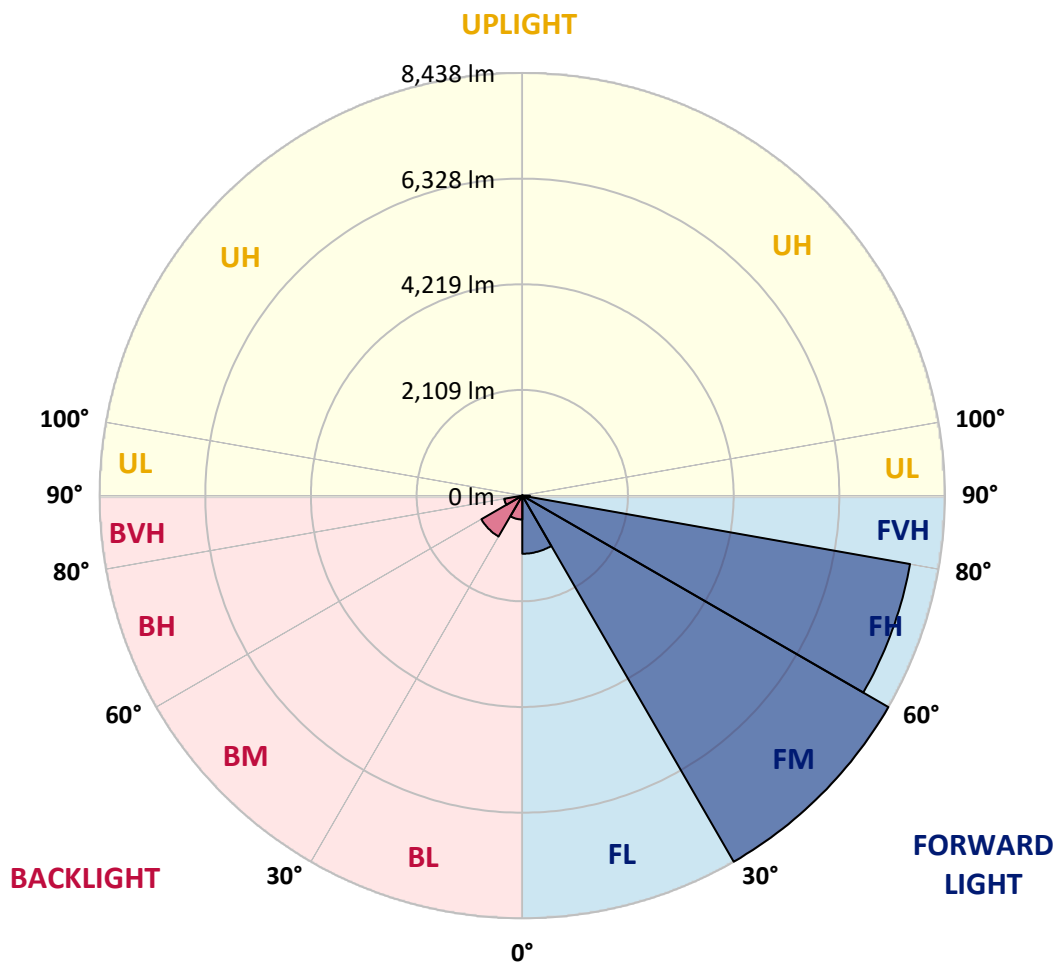
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1160.1	6.0			
FM	(30°-60°)	8437.7	43.5			
FH	(60°-80°)	7859.4	40.5			G4/12000
FVH	(80°-90°)	152.6	0.8			G2/225
BL	(0°-30°)	476.2	2.5	B1/500		
BM	(30°-60°)	942.9	4.9	B1/1000		
BH	(60°-80°)	366.0	1.9	B1/500		G1/500
BVH	(80°-90°)	2.1	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-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	2032.1	2023.2	2018.7	1995.0	1977.2	1955.0	1955.0	1926.8	1894.2	1858.6	1826.0
5°	2258.8	2244.0	2224.7	2204.0	2162.5	2103.2	2103.2	2043.9	1975.7	1915.0	1848.3
7.5°	2476.7	2463.4	2430.8	2390.7	2322.6	2260.3	2255.9	2169.9	2088.4	1996.5	1901.6
10°	2667.9	2657.5	2629.4	2552.3	2481.2	2399.6	2398.1	2301.8	2207.0	2094.3	1977.2
12.5°	2801.3	2802.8	2765.7	2691.6	2599.7	2522.7	2516.7	2421.9	2322.6	2201.0	2057.3
15°	2896.2	2896.2	2857.6	2774.6	2691.6	2623.4	2617.5	2534.5	2432.2	2300.3	2144.7
17.5°	2922.8	2931.7	2890.2	2816.1	2749.4	2690.1	2688.7	2619.0	2537.5	2410.0	2233.6
20°	2912.5	2921.4	2888.7	2830.9	2785.0	2750.9	2746.5	2718.3	2642.7	2522.7	2328.5
22.5°	2890.2	2899.1	2875.4	2841.3	2819.1	2829.5	2822.1	2845.8	2805.7	2660.5	2441.1
25°	2894.7	2903.6	2885.8	2866.5	2885.8	2949.5	2968.8	3071.1	3035.5	2835.4	2562.7
27.5°	3034.0	3051.8	3026.6	3035.5	3103.7	3251.9	3288.9	3465.3	3308.2	3057.7	2752.4
30°	3343.8	3331.9	3284.5	3327.5	3564.6	3878.8	3868.5	3840.3	3594.3	3314.1	2977.7
32.5°	3625.4	3615.0	3612.0	3797.3	4227.1	4379.8	4372.4	4099.7	3850.7	3607.6	3200.0
35°	3739.5	3699.5	3690.6	4139.7	4858.6	4657.0	4611.0	4206.4	4161.9	3927.7	3426.8
37.5°	4083.4	4055.2	3917.4	4196.0	4606.6	4539.9	4504.3	4390.2	4493.9	4210.8	3683.2
40°	4791.9	4713.3	4588.8	4316.1	4249.4	4277.5	4313.1	4625.9	4886.7	4597.7	4025.6
42.5°	5672.3	5654.5	5423.3	4914.9	4415.4	4453.9	4499.9	5117.9	5451.4	5180.2	4584.3
45°	6729.0	6754.2	6420.8	5820.5	5165.4	5198.0	5264.7	5844.2	6216.2	6085.8	5463.3
47.5°	7689.5	7670.2	7557.6	6933.6	6328.9	6256.2	6364.4	6776.5	7274.5	7295.2	6554.2
50°	8655.9	8758.1	8590.7	8346.1	7897.0	7744.3	7704.3	7905.9	8664.8	8565.5	7864.4
52.5°	10044.7	10098.0	9783.8	9721.5	9823.8	9328.8	9288.8	9337.7	10016.5	9675.6	8845.6
55°	10917.7	10886.5	10769.4	11255.6	11660.2	11042.2	10991.8	10794.6	11138.5	10459.7	9789.7
57.5°	11193.3	11237.8	11510.5	12389.5	13346.9	12822.2	12730.4	12170.1	11947.8	11190.4	10658.3
60°	11070.3	11151.8	11740.3	13047.5	14375.6	14297.0	14218.5	13277.3	12528.8	11801.0	11267.5
62.5°	10194.4	10308.5	11249.7	12930.4	14723.9	15214.5	15116.6	13968.0	12915.6	12097.5	11374.2
65°	8543.2	8627.7	9979.4	11867.7	14228.8	15528.7	15493.1	14184.4	12976.4	11826.2	10643.5
67.5°	6090.2	6377.8	7630.2	10001.7	12764.4	14992.1	15052.9	13925.0	12405.8	10653.8	8814.5
70°	3828.4	4024.1	4922.3	7160.4	10232.9	13152.8	13352.9	12737.8	10766.5	8304.6	5900.5
72.5°	1826.0	1971.3	2611.6	4532.5	7222.6	10348.5	10507.1	10456.7	8325.3	5232.1	3044.4
75°	813.7	868.6	1246.5	2313.7	4662.9	6955.8	7366.4	7434.6	5202.4	2559.7	1184.3
77.5°	415.0	416.5	584.0	1120.5	2328.5	4150.1	4231.6	4470.2	2820.6	1127.9	412.0
80°	220.8	235.7	309.8	529.1	1208.0	2043.9	2033.5	2235.1	1251.0	552.8	137.8
82.5°	99.3	109.7	174.9	277.2	589.9	775.2	835.9	914.5	536.5	352.8	60.8
85°	29.6	35.6	86.0	139.3	213.4	223.8	250.5	323.1	303.8	250.5	31.1
87.5°	4.4	4.4	35.6	38.5	31.1	40.0	41.5	45.9	97.8	91.9	16.3
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°	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3	1805.3
2.5°	1808.2	1797.9	1760.8	1729.7	1703.0	1686.7	1667.4	1655.6	1649.7	1645.2	1646.7
5°	1815.7	1790.5	1726.7	1676.3	1637.8	1596.3	1568.1	1551.8	1544.4	1532.6	1532.6
7.5°	1857.2	1817.1	1728.2	1651.1	1584.4	1528.1	1474.8	1455.5	1442.2	1439.2	1436.2
10°	1916.4	1866.1	1744.5	1637.8	1542.9	1465.9	1390.3	1323.6	1271.7	1240.6	1236.1
12.5°	1990.6	1917.9	1769.7	1628.9	1507.4	1371.0	1170.9	1036.0	945.6	917.5	921.9
15°	2058.7	1980.2	1794.9	1621.5	1442.2	1136.8	910.1	755.9	710.0	705.5	707.0
17.5°	2140.3	2046.9	1824.6	1611.1	1262.8	868.6	675.9	634.4	643.3	658.1	656.6
20°	2224.7	2118.0	1860.1	1548.9	1007.9	653.6	597.3	601.8	615.1	628.4	631.4
22.5°	2315.1	2199.5	1901.6	1399.2	769.2	569.2	566.2	572.1	585.5	600.3	603.2
25°	2439.7	2301.8	1932.7	1203.5	582.5	526.2	532.1	542.5	554.3	570.6	573.6
27.5°	2599.7	2439.7	1949.1	948.6	503.9	487.6	489.1	503.9	518.8	533.6	533.6
30°	2807.2	2604.2	1916.4	717.4	465.4	450.6	444.7	453.5	472.8	487.6	489.1
32.5°	2992.5	2759.8	1830.5	548.4	437.2	416.5	401.7	403.2	410.6	419.5	420.9
35°	3177.8	2911.0	1683.7	461.0	407.6	383.9	361.6	349.8	343.9	339.4	343.9
37.5°	3414.9	3099.2	1488.1	419.5	382.4	352.8	321.6	296.4	275.7	262.3	265.3
40°	3720.2	3360.1	1256.9	392.8	358.7	323.1	281.6	249.0	213.4	201.6	195.6
42.5°	4224.2	3755.8	1013.8	370.5	335.0	292.0	240.1	195.6	163.0	151.2	154.1
45°	5020.1	4255.3	781.1	346.8	311.3	257.9	201.6	154.1	127.5	121.5	124.5
47.5°	6075.4	4901.5	601.8	320.1	281.6	220.8	158.6	121.5	105.2	103.8	102.3
50°	7068.5	5503.3	502.5	290.5	246.0	183.8	130.4	102.3	91.9	90.4	90.4
52.5°	7966.7	5934.6	409.1	256.4	207.5	151.2	109.7	90.4	81.5	77.1	77.1
55°	8765.5	6216.2	332.0	214.9	163.0	120.1	94.9	81.5	71.1	65.2	63.7
57.5°	9368.8	6250.3	249.0	171.9	121.5	93.4	81.5	71.1	59.3	51.9	48.9
60°	9626.7	5955.4	183.8	130.4	90.4	74.1	65.2	57.8	44.5	37.1	35.6
62.5°	9367.3	5381.8	136.4	99.3	69.7	54.8	45.9	43.0	31.1	22.2	20.8
65°	8438.0	4553.2	108.2	75.6	51.9	40.0	29.6	28.2	19.3	10.4	8.9
67.5°	6760.2	3566.1	86.0	56.3	37.1	26.7	19.3	17.8	10.4	3.0	3.0
70°	4396.1	2279.6	69.7	41.5	23.7	17.8	11.9	8.9	5.9	1.5	0.0
72.5°	2174.3	1065.7	56.3	32.6	16.3	8.9	4.4	3.0	4.4	0.0	0.0
75°	843.4	379.4	41.5	22.2	8.9	4.4	3.0	0.0	1.5	0.0	0.0
77.5°	280.1	126.0	25.2	11.9	5.9	3.0	0.0	0.0	0.0	0.0	0.0
80°	103.8	48.9	13.3	7.4	3.0	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	41.5	19.3	8.9	5.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.8	11.9	5.9	4.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.8	8.9	5.9	4.4	3.0	1.5	0.0	0.0	0.0	0.0	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)