

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: P483882

Luminaire Tested: **IFLD-L-SA8C-722-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483882  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-722-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

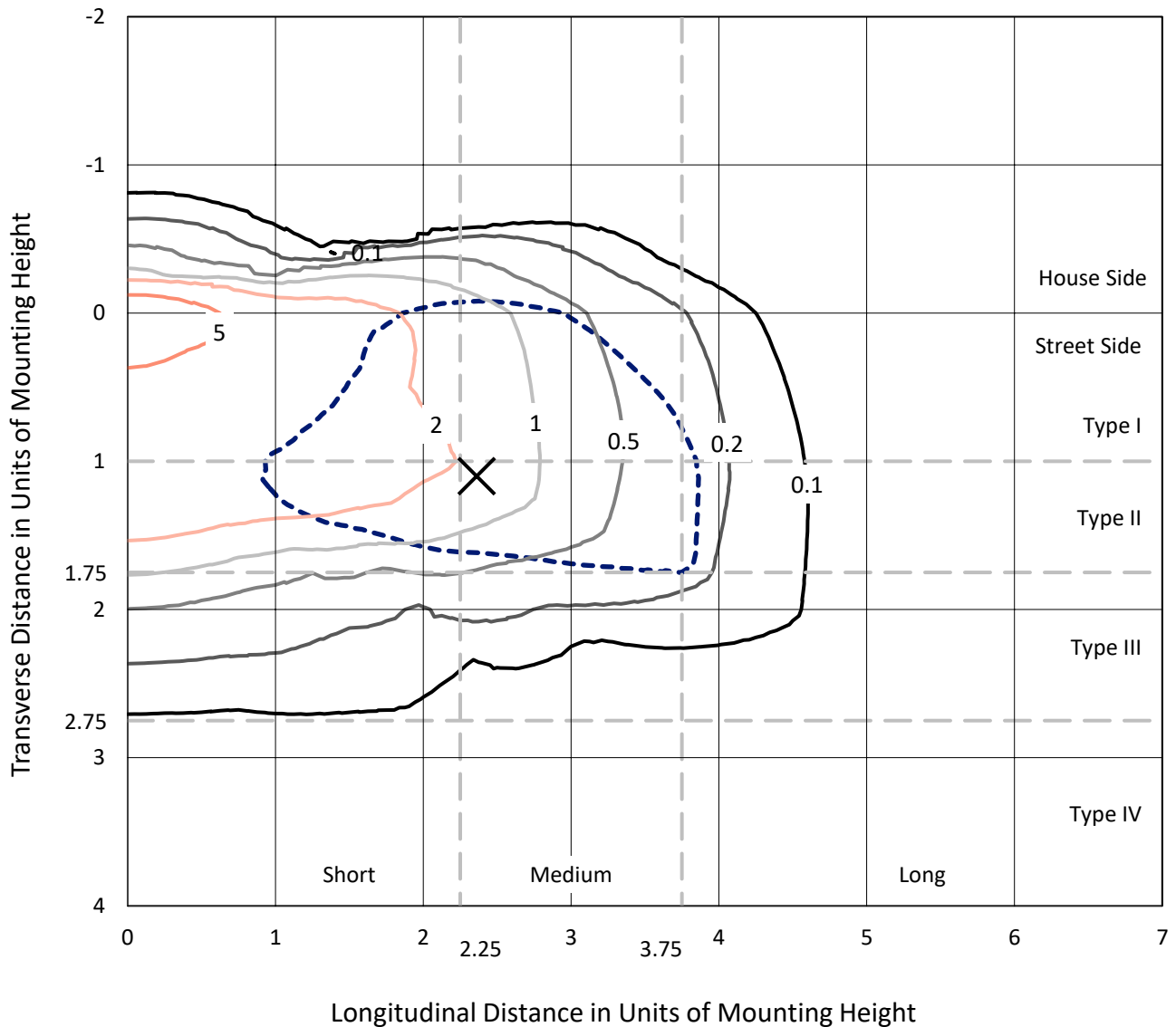
Lumens per Lamp: N/A  
Luminaire Lumens: 30715.6 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 420.3  
Input Voltage (V): 120  
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

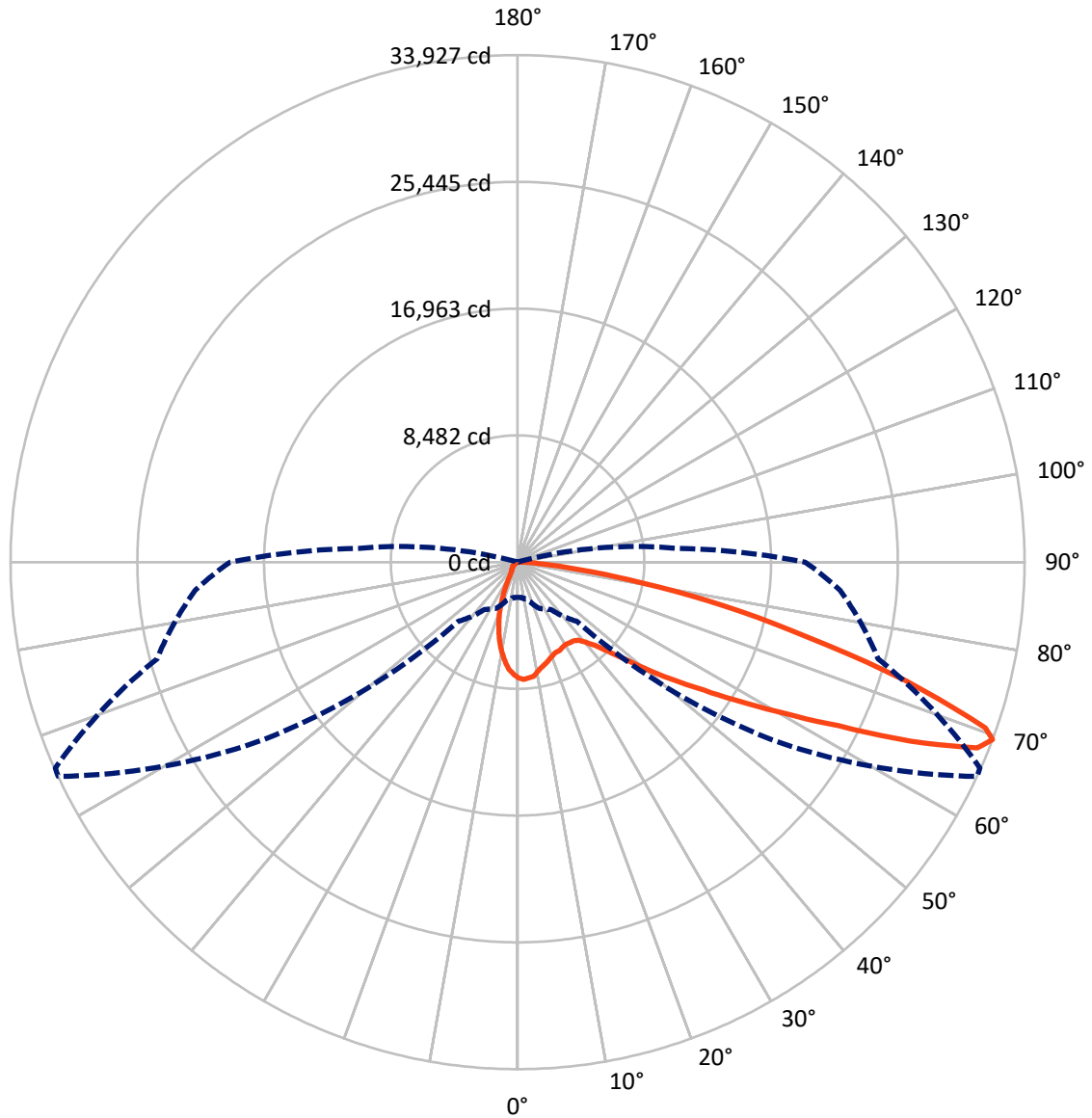
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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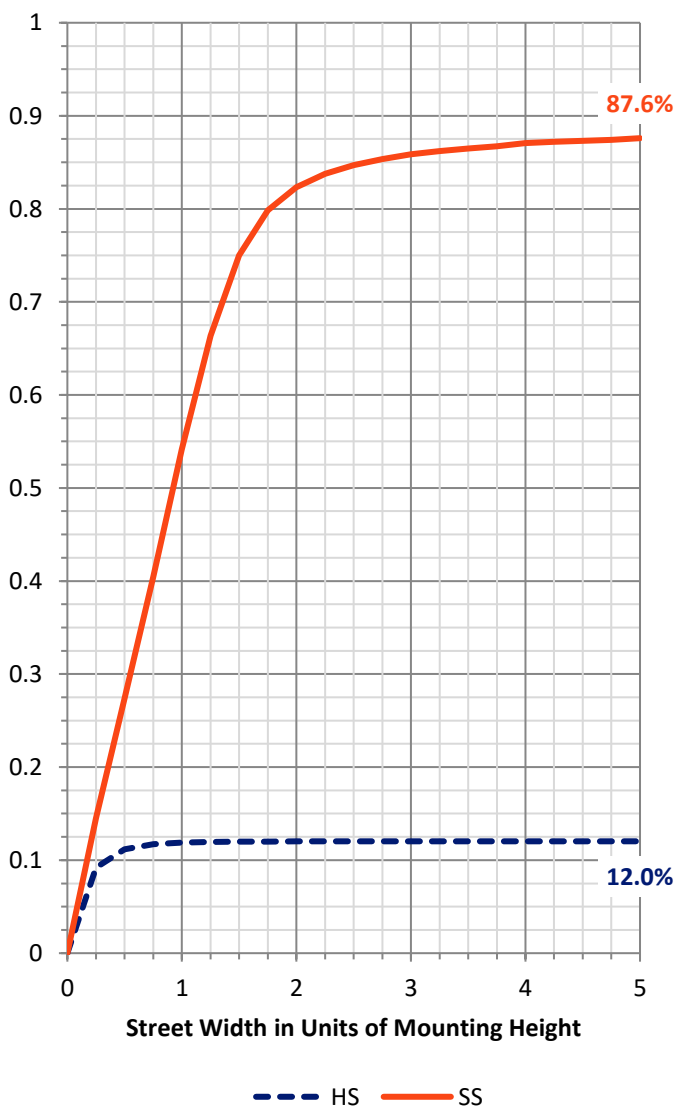
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3726.0	0.0	3726.0
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	26989.6	0.0	26989.6
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	30715.6	0.0	30715.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	633.7	2.1
10°-20°	1386.6	4.5
20°-30°	1930.4	6.3
30°-40°	2735.6	8.9
40°-50°	4311.2	14.0
50°-60°	6995.6	22.8
60°-70°	7812.6	25.4
70°-80°	4399.4	14.3
80°-90°	510.5	1.7
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°	30715.6	100.0
0°-180°	30715.6	100.0

**Coefficient of Utilization**



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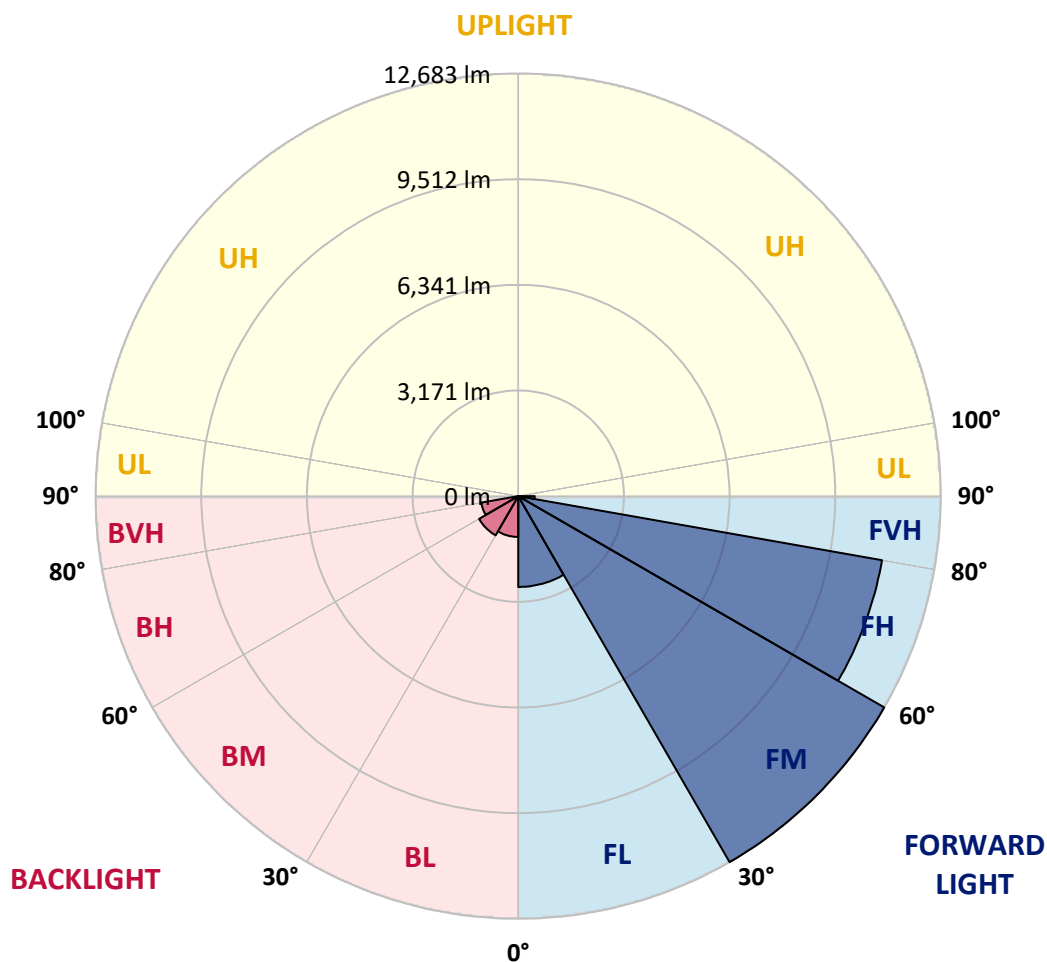
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2725.7	8.9			
FM	(30°-60°)	12682.7	41.3			
FH	(60°-80°)	11084.7	36.1			G4/12000
FVH	(80°-90°)	496.4	1.6			G3/500
BL	(0°-30°)	1225.0	4.0	B3/2500		
BM	(30°-60°)	1359.6	4.4	B2/2500		
BH	(60°-80°)	1127.3	3.7	B3/2500		G3/2500
BVH	(80°-90°)	14.1	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1
2.5°	7458.2	7516.2	7532.8	7590.8	7619.8	7744.1	7814.5	7856.0	7835.3	7880.8	7885.0
5°	6927.8	6894.7	6981.7	7043.9	7176.5	7391.9	7611.5	7781.4	7860.1	7934.7	7922.3
7.5°	6360.2	6343.6	6430.6	6571.5	6691.7	6952.7	7304.9	7723.4	7706.8	7889.1	7943.0
10°	5970.7	5987.3	6016.3	6157.2	6335.3	6600.5	7039.7	7429.2	7516.2	7901.6	8009.3
12.5°	5614.4	5643.4	5697.2	5842.3	6049.4	6322.9	6749.7	7205.5	7338.0	7831.1	8046.6
15°	5498.4	5432.1	5539.8	5647.5	5863.0	6107.4	6467.9	7035.6	7093.6	7748.2	8108.7
17.5°	5403.1	5361.6	5411.3	5498.4	5726.2	5925.1	6264.9	6853.3	6961.0	7715.1	8100.4
20°	5432.1	5394.8	5415.5	5481.8	5585.4	5771.8	6086.7	6679.2	6795.3	7561.8	8088.0
22.5°	5514.9	5543.9	5506.6	5523.2	5556.4	5651.7	5991.4	6554.9	6654.4	7532.8	8158.5
25°	5887.8	5838.1	5788.4	5767.7	5572.9	5614.4	5962.4	6546.6	6617.1	7429.2	8100.4
27.5°	6277.3	6235.9	6215.2	6095.0	5829.8	5705.5	5966.6	6430.6	6525.9	7387.8	8030.0
30°	6749.7	6803.5	6720.7	6575.7	6206.9	5900.3	6012.1	6372.6	6505.2	7230.3	7984.4
32.5°	7246.9	7275.9	7317.3	7209.6	6733.1	6194.5	6148.9	6426.5	6434.8	7230.3	7880.8
35°	7810.4	7769.0	7876.7	7885.0	7466.5	6716.5	6409.9	6463.8	6550.8	7197.2	7843.5
37.5°	8295.2	8365.6	8489.9	8688.8	8257.9	7454.1	6816.0	6637.8	6675.1	7350.5	7872.6
40°	8825.5	8896.0	9177.7	9376.6	9132.2	8282.8	7433.3	7043.9	7072.9	7578.4	8021.7
42.5°	9409.8	9546.5	9882.1	10230.2	10163.9	9335.2	8228.9	7640.5	7628.1	8146.0	8328.3
45°	10201.2	10383.5	10748.1	11150.0	11208.0	10540.9	9289.6	8531.4	8572.8	8887.7	8962.3
47.5°	11303.3	11295.0	11651.4	12098.9	12434.5	11792.3	10557.5	9728.8	9724.7	10060.3	9902.8
50°	12368.2	12372.3	12467.6	12985.6	13855.7	13528.4	12127.9	11319.9	11274.3	11440.1	11187.3
52.5°	12861.3	12803.3	12732.8	13358.5	14949.6	15716.1	14116.7	13122.3	13085.0	12985.6	12919.3
55°	12343.3	12364.1	12359.9	13010.4	15525.5	18024.0	16669.1	15107.0	15044.9	14734.1	14825.3
57.5°	10681.8	10615.5	10760.5	11775.7	14866.7	19598.5	20319.5	17609.7	17448.1	16416.3	16209.2
60°	7951.3	7972.0	8092.2	9289.6	13230.0	19930.0	23812.4	20547.4	19851.3	17601.4	17315.5
62.5°	5552.2	5510.8	5556.4	6227.6	9459.5	18604.1	26174.2	24119.0	23447.8	18948.0	18782.3
65°	3973.6	3919.7	4102.0	4512.2	5680.7	14224.5	26509.8	28875.7	28274.9	21098.4	20700.7
67.5°	2859.0	2850.7	3062.0	3807.8	4035.7	8191.6	24023.7	33184.9	32820.3	23650.8	21869.1
69°	2365.9	2370.1	2573.1	3410.1	3853.4	5593.7	20671.7	33926.6	33860.3	24968.4	21649.5
70°	2063.4	2080.0	2316.2	3173.9	3778.8	4599.2	17821.0	33197.3	33131.0	25225.3	20924.4
72.5°	1272.0	1284.5	1595.2	2544.1	3592.4	3754.0	10657.0	27160.3	27388.2	24048.6	18028.1
75°	609.1	613.2	837.0	1839.7	3463.9	3559.2	5709.7	20041.9	20522.5	19416.2	14087.7
77.5°	323.2	323.2	401.9	977.9	2805.1	3347.9	3389.3	14137.4	14535.2	12277.0	8009.3
80°	161.6	165.7	244.5	509.6	1740.2	3281.6	2647.7	8431.9	8647.4	5009.4	2494.4
82.5°	62.2	66.3	116.0	306.6	903.3	2772.0	2324.5	4147.6	4093.7	1172.6	609.1
85°	8.3	8.3	41.4	182.3	385.3	1222.3	1918.4	1732.0	1674.0	256.9	294.2
87.5°	0.0	0.0	8.3	53.9	116.0	356.3	741.7	476.5	530.4	70.4	145.0
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°	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1	7744.1
2.5°	7864.3	7777.3	7644.7	7516.2	7379.5	7213.7	7031.4	6965.1	6849.1	6840.8	6907.1
5°	7856.0	7715.1	7483.1	7209.6	6820.1	6525.9	6206.9	5974.9	5796.7	5680.7	5709.7
7.5°	7897.4	7727.5	7325.6	6737.2	6235.9	5651.7	5158.6	4818.8	4508.1	4354.8	4338.2
10°	7831.1	7603.2	7014.9	6190.3	5452.8	4636.5	3915.6	3459.8	2995.7	2825.8	2834.1
12.5°	7868.4	7549.4	6679.2	5626.8	4611.7	3550.9	2689.1	2067.6	1632.5	1491.6	1475.1
15°	7893.3	7433.3	6356.1	4951.4	3679.4	2419.8	1557.9	1172.6	1035.9	1011.0	1006.9
17.5°	7798.0	7292.5	5900.3	4284.3	2726.4	1470.9	1035.9	957.1	932.3	915.7	907.4
20°	7793.8	7209.6	5506.6	3600.7	1819.0	1002.7	895.0	866.0	828.7	816.3	816.3
22.5°	7723.4	7035.6	5034.3	2850.7	1160.2	861.8	803.8	758.3	716.8	700.2	696.1
25°	7702.7	6832.5	4590.9	2142.2	882.6	770.7	712.7	646.4	596.7	571.8	559.4
27.5°	7644.7	6658.5	4143.4	1508.2	770.7	687.8	613.2	542.8	484.8	447.5	443.3
30°	7437.5	6476.2	3646.2	1044.1	700.2	609.1	526.2	443.3	385.3	360.5	352.2
32.5°	7350.5	6306.3	3103.4	803.8	638.1	538.6	443.3	368.8	323.2	298.3	294.2
35°	7246.9	6057.7	2577.2	700.2	580.1	468.2	372.9	310.8	273.5	252.8	252.8
37.5°	7259.3	5858.8	2084.2	633.9	517.9	401.9	319.0	265.2	232.0	211.3	211.3
40°	7222.0	5701.4	1620.1	575.9	459.9	343.9	269.3	223.7	194.7	174.0	169.9
42.5°	7391.9	5660.0	1222.3	526.2	401.9	294.2	232.0	190.6	161.6	136.7	136.7
45°	7677.8	5726.2	953.0	480.6	343.9	252.8	198.9	157.5	128.4	111.9	107.7
47.5°	8440.2	5987.3	745.8	443.3	294.2	219.6	165.7	128.4	103.6	87.0	82.9
50°	9546.5	6571.5	633.9	389.5	248.6	186.5	136.7	99.4	82.9	66.3	62.2
52.5°	11121.0	7553.5	575.9	343.9	207.2	153.3	107.7	78.7	62.2	49.7	45.6
55°	12836.4	8780.0	522.1	290.0	174.0	124.3	87.0	62.2	45.6	33.1	29.0
57.5°	14174.7	9840.7	476.5	240.3	140.9	99.4	66.3	45.6	33.1	20.7	16.6
60°	15637.4	10586.5	418.5	190.6	116.0	74.6	49.7	33.1	24.9	12.4	12.4
62.5°	17145.6	11460.8	343.9	149.2	91.2	58.0	37.3	24.9	16.6	4.1	4.1
65°	19242.2	12144.4	265.2	116.0	70.4	41.4	29.0	20.7	8.3	0.0	0.0
67.5°	19834.7	11808.8	194.7	91.2	49.7	29.0	20.7	12.4	4.1	0.0	0.0
69°	19242.2	10636.2	169.9	78.7	41.4	24.9	16.6	8.3	4.1	0.0	0.0
70°	18160.7	9724.7	149.2	66.3	37.3	24.9	12.4	8.3	4.1	0.0	0.0
72.5°	15189.9	7458.2	116.0	49.7	29.0	20.7	12.4	8.3	0.0	0.0	0.0
75°	11141.7	4607.5	87.0	37.3	24.9	16.6	12.4	8.3	0.0	0.0	0.0
77.5°	5970.7	1682.2	62.2	24.9	16.6	12.4	12.4	8.3	0.0	0.0	0.0
80°	1636.7	497.2	45.6	16.6	12.4	8.3	8.3	4.1	0.0	0.0	0.0
82.5°	447.5	128.4	29.0	16.6	12.4	8.3	4.1	0.0	0.0	0.0	0.0
85°	240.3	49.7	16.6	12.4	8.3	4.1	0.0	0.0	0.0	0.0	0.0
87.5°	124.3	16.6	12.4	8.3	8.3	4.1	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)