

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: P484788

Luminaire Tested: **IFLD-S-SA3C-740-U-SL4-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484788  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-740-U-SL4-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield  
Light Source: (48) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

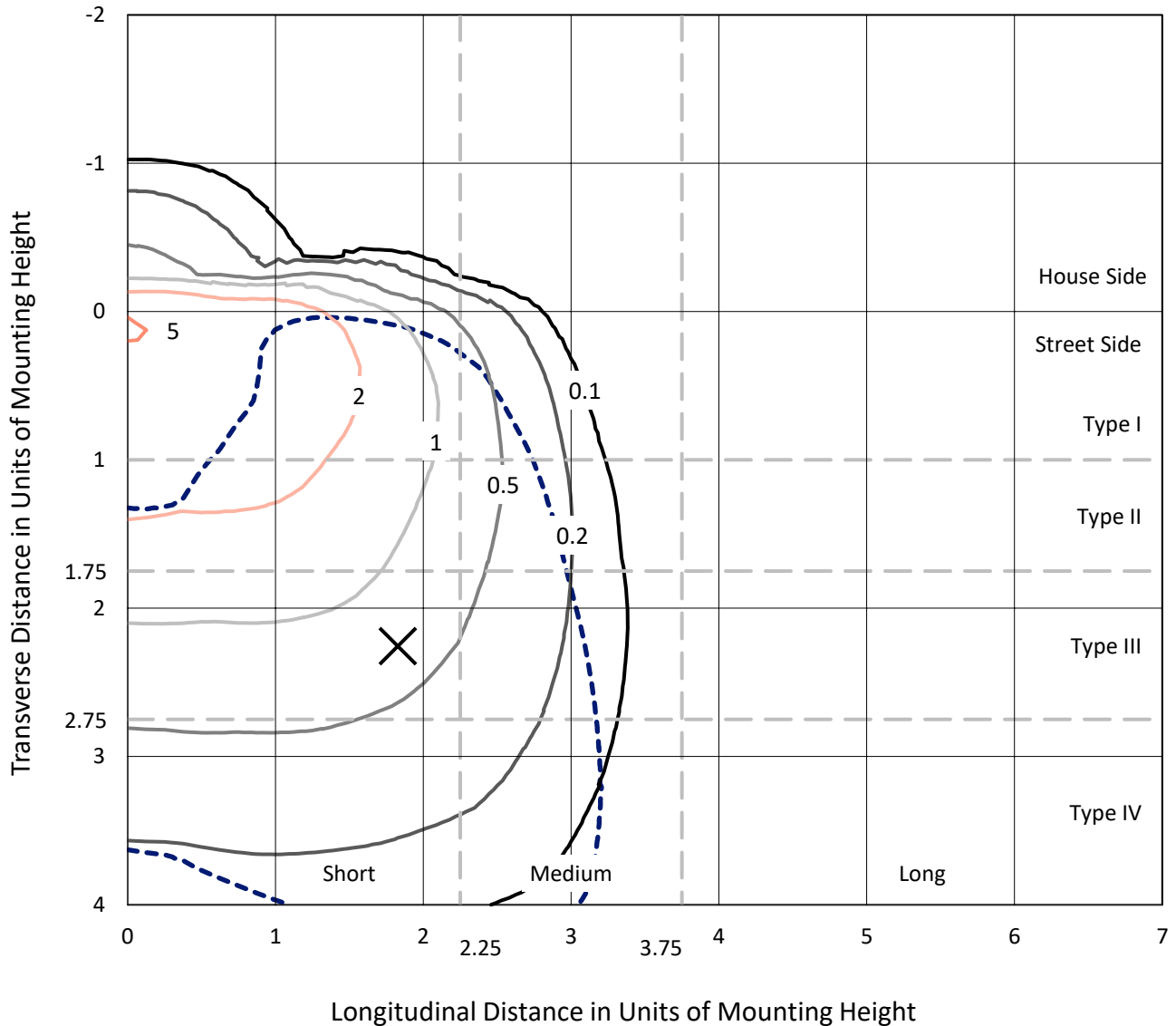
Lumens per Lamp: N/A  
Luminaire Lumens: 17498.8 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 160.8  
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

REPORT NUMBER: P484788  
 CATALOG NUMBER: IFLD-S-SA3C-740-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

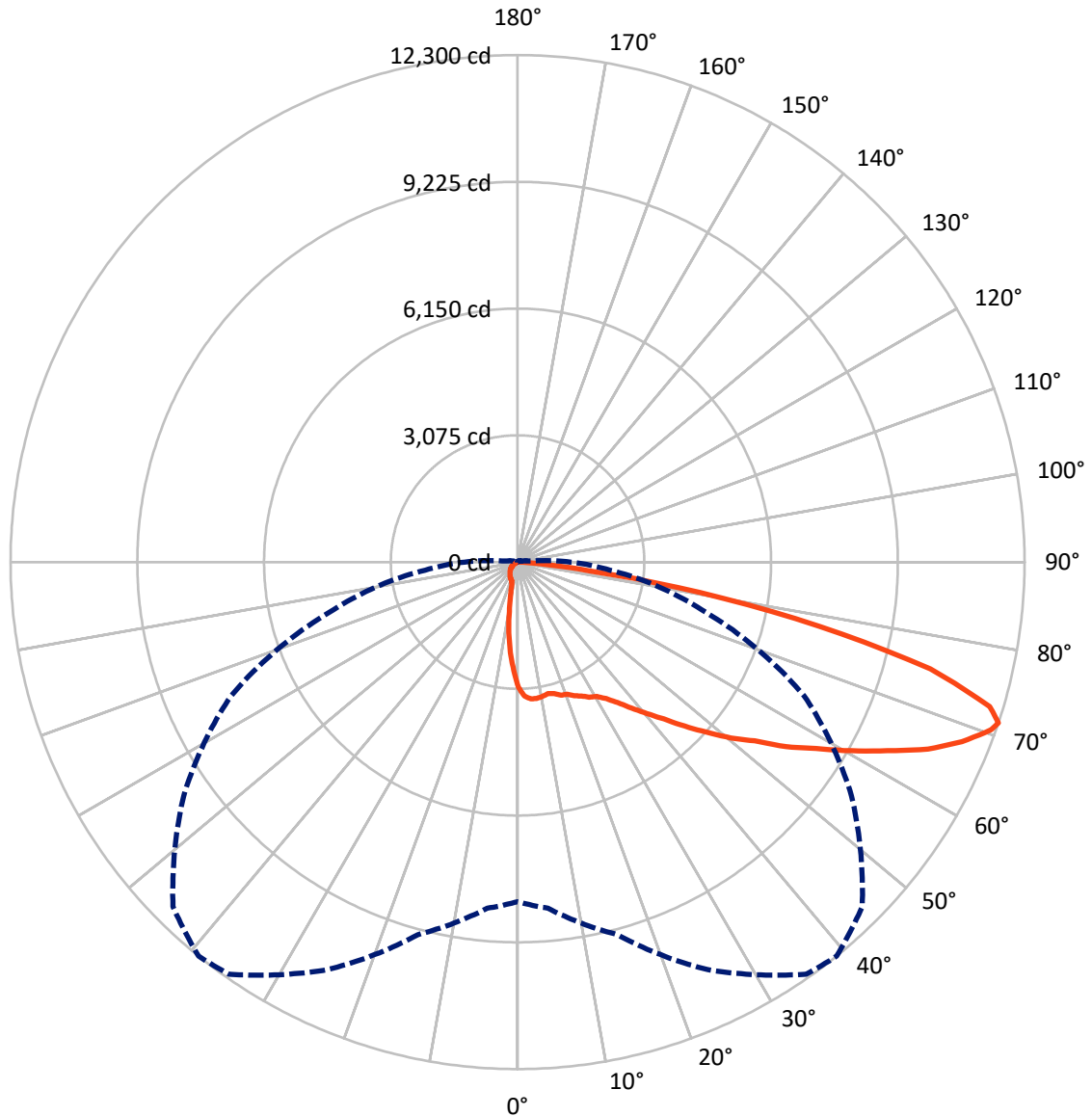
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P484788  
CATALOG NUMBER: IFLD-S-SA3C-740-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P484788

CATALOG NUMBER: IFLD-S-SA3C-740-U-SL4-HSS

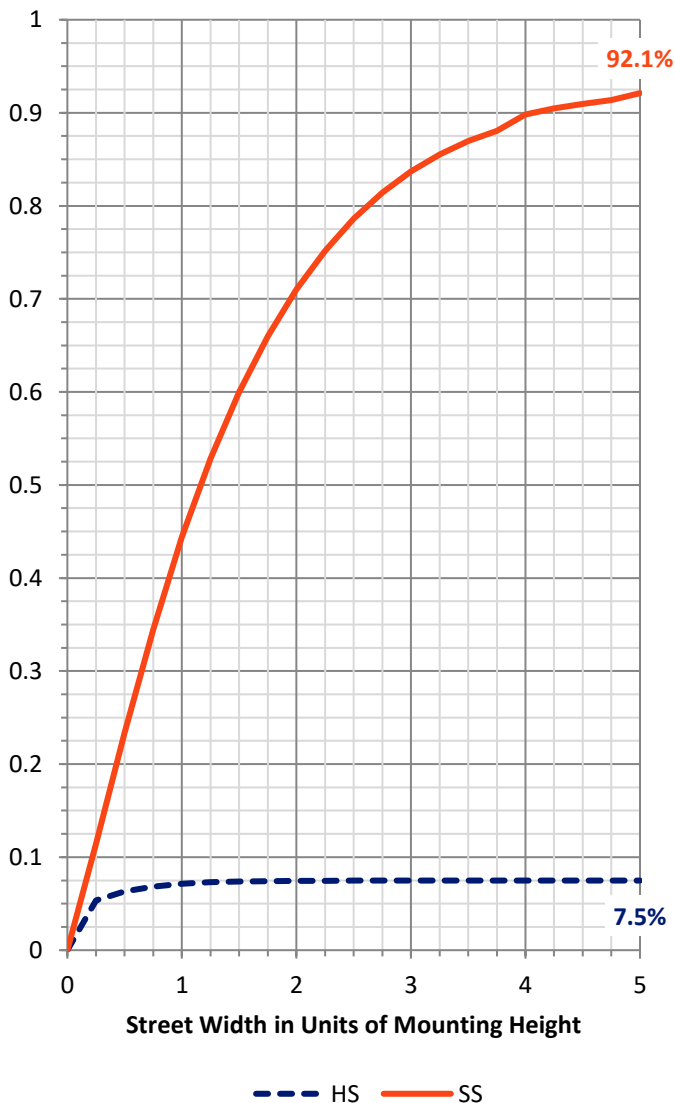
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1317.4	0.0	1317.4
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	16181.4	0.0	16181.4
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	17498.8	0.0	17498.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.7	1.5
10°-20°	626.8	3.6
20°-30°	1006.2	5.7
30°-40°	1540.2	8.8
40°-50°	2472.3	14.1
50°-60°	3631.5	20.8
60°-70°	4573.7	26.1
70°-80°	3052.4	17.4
80°-90°	341.1	1.9
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°	17498.8	100.0
0°-180°	17498.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P484788

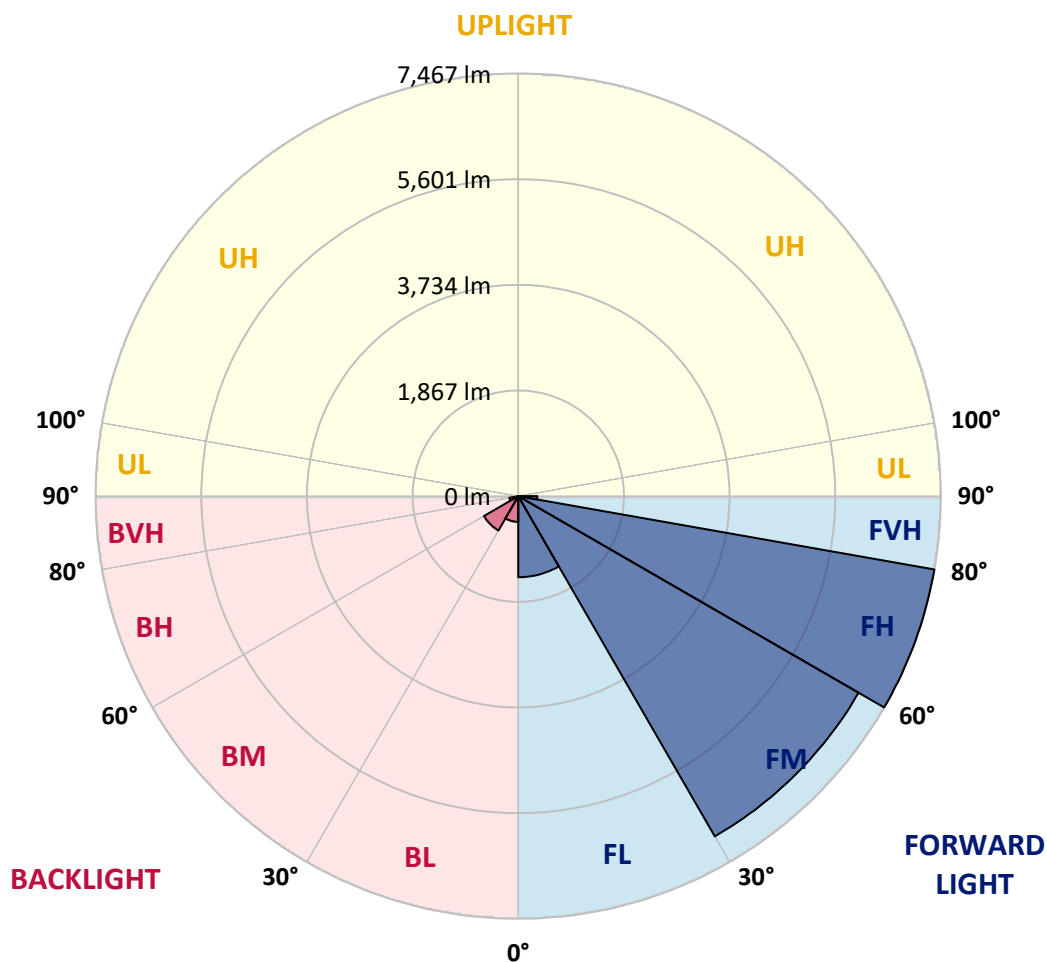
CATALOG NUMBER: IFLD-S-SA3C-740-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1432.8	8.2			
FM (30°-60°)	6943.8	39.7			
FH (60°-80°)	7467.5	42.7			G3/7500
FVH (80°-90°)	337.4	1.9			G3/500
BL (0°-30°)	454.8	2.6	B1/500		
BM (30°-60°)	700.2	4.0	B1/1000		
BH (60°-80°)	158.6	0.9	B1/500		G1/500
BVH (80°-90°)	3.8	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-G3**

Type IV Short





REPORT NUMBER: P484788

CATALOG NUMBER: IFLD-S-SA3C-740-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8
2.5°	3282.2	3314.3	3282.2	3268.4	3254.6	3256.9	3220.2	3227.1	3183.5	3126.1	3080.2
5°	3385.5	3429.1	3394.7	3378.6	3376.3	3332.7	3314.3	3270.7	3217.9	3128.4	3073.3
7.5°	3376.3	3367.1	3383.2	3369.4	3339.6	3339.6	3318.9	3256.9	3204.1	3103.2	3009.1
10°	3307.4	3335.0	3321.2	3305.1	3312.0	3314.3	3275.3	3231.7	3215.6	3114.6	2960.9
12.5°	3300.5	3254.6	3305.1	3307.4	3277.6	3275.3	3270.7	3259.2	3208.7	3116.9	2972.3
15°	3277.6	3259.2	3309.7	3312.0	3318.9	3312.0	3318.9	3309.7	3259.2	3206.4	3022.8
17.5°	3296.0	3275.3	3346.5	3380.9	3364.8	3396.9	3385.5	3344.2	3300.5	3238.6	3071.0
20°	3300.5	3330.4	3408.4	3422.2	3472.7	3419.9	3417.6	3374.0	3346.5	3279.9	3100.9
22.5°	3385.5	3399.2	3495.6	3525.5	3527.8	3520.9	3463.5	3413.0	3401.5	3318.9	3107.7
25°	3514.0	3562.2	3605.8	3624.2	3631.1	3598.9	3539.3	3475.0	3447.4	3394.7	3178.9
27.5°	3741.2	3711.4	3750.4	3778.0	3699.9	3711.4	3635.7	3580.6	3541.5	3495.6	3261.5
30°	3943.2	3915.7	3918.0	3913.4	3846.8	3784.8	3764.2	3667.8	3619.6	3637.9	3390.1
32.5°	4124.5	4064.9	4115.4	4092.4	3968.5	3950.1	3934.0	3812.4	3821.6	3906.5	3582.9
35°	4292.1	4271.4	4312.7	4271.4	4188.8	4184.2	4168.1	4062.6	4113.1	4234.7	3913.4
37.5°	4445.9	4452.8	4503.3	4482.6	4489.5	4494.1	4484.9	4372.4	4517.0	4790.2	4299.0
40°	4588.2	4579.0	4702.9	4767.2	4781.0	4831.5	4831.5	4803.9	5026.6	5334.1	4833.8
42.5°	4739.7	4762.6	4923.3	5031.2	5162.0	5205.6	5265.3	5279.0	5623.3	5974.5	5380.0
45°	4987.5	4948.5	5152.8	5407.6	5522.3	5676.1	5767.9	5846.0	6261.4	6743.4	5926.3
47.5°	5302.0	5224.0	5403.0	5772.5	6038.8	6165.0	6330.3	6433.5	6839.8	7337.9	6442.7
50°	5650.9	5570.5	5657.8	6167.3	6477.2	6706.7	6917.8	7048.7	7539.9	8003.5	6819.1
52.5°	6045.7	5972.2	5986.0	6578.1	7034.9	7202.5	7480.2	7675.3	8164.2	8405.2	6952.3
55°	6465.7	6447.3	6403.7	6979.8	7523.8	7900.2	8067.8	8301.9	8804.5	8623.2	7096.9
57.5°	6888.0	6830.6	6892.6	7512.3	8308.8	8533.7	8765.5	8905.5	9160.3	8813.7	7041.8
60°	7285.1	7289.7	7376.9	8090.7	8976.7	9295.7	9504.6	9419.6	9525.2	8896.3	6915.5
62.5°	7620.2	7611.0	7831.3	8740.3	9860.3	10076.1	10232.2	9853.4	9695.1	8976.7	6695.2
65°	7920.9	8024.1	8370.7	9513.8	10691.2	10939.1	10845.0	10264.3	9860.3	8740.3	6075.5
67.5°	8148.1	8301.9	8903.2	10241.3	11453.2	11627.7	11496.8	10576.4	9665.2	7813.0	4948.5
70°	8281.2	8437.3	9284.2	10847.3	12061.5	12187.7	11880.1	10335.4	8526.8	5657.8	3087.1
71°	8239.9	8430.4	9357.7	10911.6	12206.1	12300.2	11822.8	9890.2	7668.4	4737.4	2251.6
72.5°	7865.8	8044.8	9052.4	10865.6	12031.6	11974.2	11375.2	8820.6	6036.5	3020.5	1163.7
75°	5779.4	5972.2	7769.4	9399.0	10739.4	10344.6	9206.2	6190.3	3149.1	925.0	339.7
77.5°	2878.2	2910.4	4822.3	6823.7	7877.3	7484.8	6169.6	3452.0	1177.5	273.1	169.8
80°	1326.6	1335.8	1808.6	3534.7	4762.6	4482.6	3456.6	1703.1	532.5	144.6	133.1
82.5°	904.3	918.1	1090.2	1464.4	2068.0	1744.4	1400.1	1090.2	305.3	87.2	130.8
85°	165.3	151.5	610.5	775.8	798.7	541.7	484.3	943.3	114.8	50.5	114.8
87.5°	0.0	2.3	84.9	316.7	284.6	126.2	165.3	229.5	11.5	16.1	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P484788

CATALOG NUMBER: IFLD-S-SA3C-740-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8	3045.8
2.5°	3041.2	3015.9	2931.0	2836.9	2752.0	2685.4	2600.5	2561.5	2499.5	2465.1	2462.8
5°	2997.6	2928.7	2781.8	2623.5	2446.7	2299.8	2136.9	2045.1	1939.5	1907.3	1900.5
7.5°	2924.1	2825.4	2609.7	2387.0	2116.2	1856.8	1657.2	1443.7	1312.9	1257.8	1237.1
10°	2878.2	2758.9	2465.1	2132.3	1753.6	1388.6	1108.6	881.4	762.0	704.6	690.9
12.5°	2878.2	2749.7	2348.0	1889.0	1386.3	950.2	686.3	555.4	516.4	502.7	502.7
15°	2871.3	2731.3	2235.6	1638.8	1026.0	638.1	511.8	484.3	479.7	477.4	475.1
17.5°	2905.8	2699.2	2120.8	1370.3	725.3	502.7	470.5	465.9	461.3	461.3	456.8
20°	2931.0	2680.8	1983.1	1085.6	541.7	465.9	452.2	445.3	443.0	440.7	445.3
22.5°	2910.4	2653.3	1813.2	812.5	472.8	443.0	433.8	426.9	422.3	422.3	424.6
25°	2949.4	2628.0	1643.4	612.8	443.0	422.3	413.1	408.6	406.3	404.0	399.4
27.5°	3002.2	2639.5	1441.4	493.5	417.7	401.7	392.5	387.9	385.6	381.0	385.6
30°	3066.4	2637.2	1218.8	431.5	394.8	378.7	369.5	367.2	362.6	360.4	362.6
32.5°	3176.6	2696.9	989.2	399.4	369.5	355.8	346.6	344.3	342.0	339.7	337.4
35°	3413.0	2770.3	773.5	374.1	346.6	330.5	323.6	319.0	316.7	314.4	312.2
37.5°	3704.5	2933.3	589.9	351.2	323.6	307.6	300.7	298.4	289.2	286.9	284.6
40°	4069.5	3107.7	454.5	325.9	303.0	286.9	280.0	273.1	261.7	257.1	252.5
42.5°	4523.9	3277.6	374.1	303.0	280.0	268.5	257.1	245.6	236.4	227.2	222.6
45°	4978.4	3475.0	328.2	282.3	261.7	247.9	238.7	222.6	206.6	192.8	190.5
47.5°	5357.1	3546.1	300.7	259.4	243.3	231.8	218.0	197.4	174.4	160.7	158.4
50°	5639.4	3504.8	273.1	236.4	222.6	211.2	192.8	167.6	144.6	130.8	126.2
52.5°	5694.5	3323.5	247.9	218.0	202.0	188.2	167.6	140.0	114.8	101.0	98.7
55°	5655.5	3022.8	227.2	202.0	183.6	163.0	140.0	112.5	89.5	75.7	73.4
57.5°	5575.1	2667.1	204.3	181.3	160.7	140.0	114.8	91.8	66.6	52.8	52.8
60°	5302.0	2182.8	181.3	158.4	137.7	119.4	94.1	66.6	45.9	34.4	32.1
62.5°	4921.0	1677.8	158.4	135.4	119.4	98.7	73.4	48.2	27.5	18.4	18.4
65°	4225.5	1175.2	133.1	112.5	98.7	80.3	55.1	29.8	16.1	6.9	6.9
67.5°	3211.0	727.6	110.2	94.1	84.9	64.3	39.0	18.4	6.9	2.3	0.0
70°	1843.1	378.7	87.2	75.7	66.6	48.2	27.5	9.2	4.6	0.0	0.0
71°	1287.6	280.0	78.0	66.6	59.7	43.6	23.0	6.9	2.3	0.0	0.0
72.5°	645.0	185.9	66.6	55.1	48.2	34.4	18.4	6.9	2.3	0.0	0.0
75°	229.5	119.4	45.9	36.7	34.4	25.2	11.5	4.6	2.3	0.0	0.0
77.5°	158.4	96.4	32.1	23.0	23.0	16.1	6.9	2.3	2.3	0.0	0.0
80°	144.6	52.8	20.7	13.8	11.5	9.2	4.6	2.3	0.0	0.0	0.0
82.5°	144.6	39.0	11.5	9.2	6.9	4.6	2.3	0.0	0.0	0.0	0.0
85°	101.0	20.7	6.9	6.9	4.6	2.3	0.0	0.0	0.0	0.0	0.0
87.5°	16.1	6.9	4.6	2.3	2.3	0.0	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)