

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: P484340

Luminaire Tested: **IFLD-M-SA4C-730-U-SL3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P484340  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-730-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (64) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

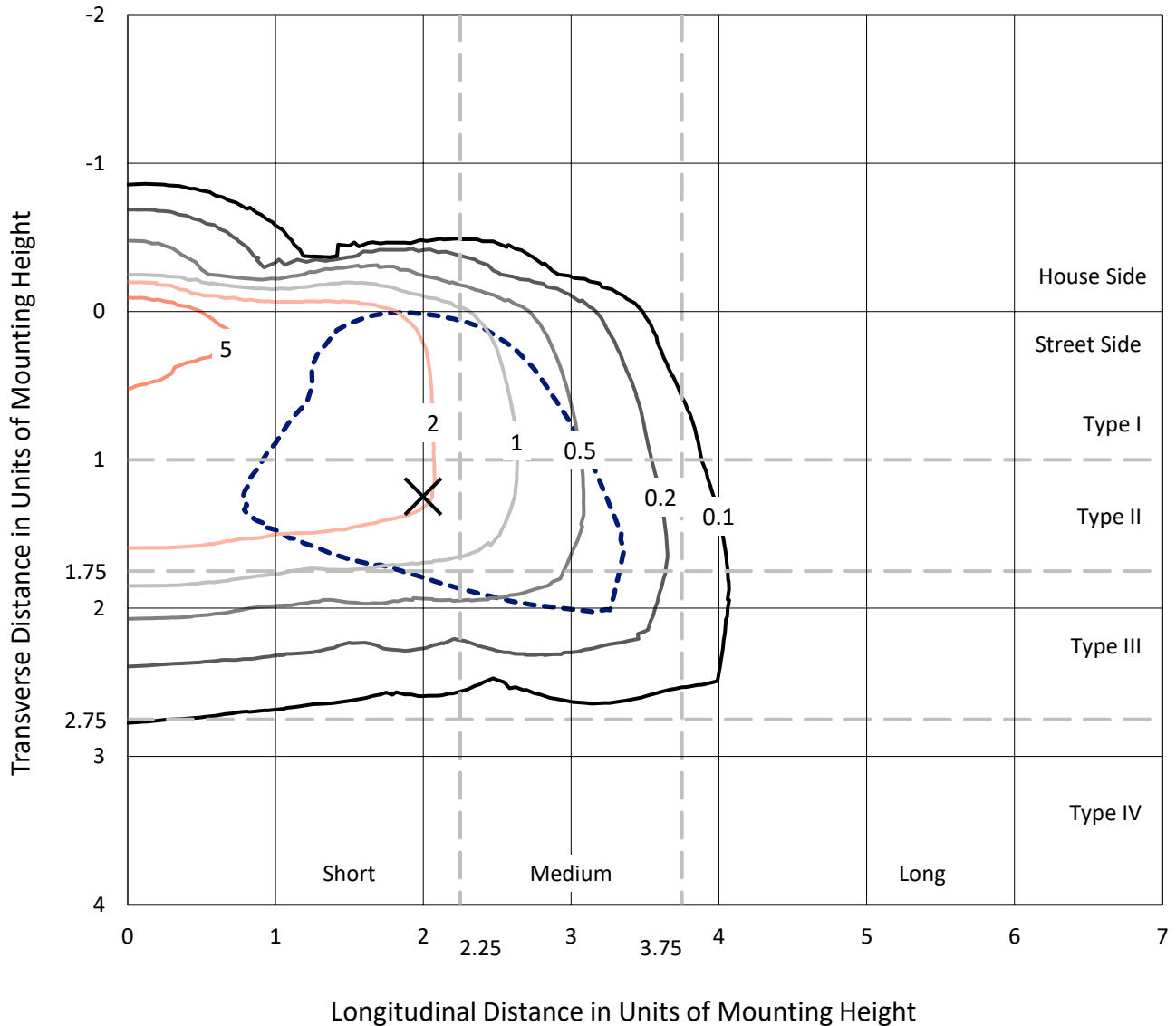
Lumens per Lamp: N/A  
Luminaire Lumens: 21651.6 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 218.1  
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: P484340  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

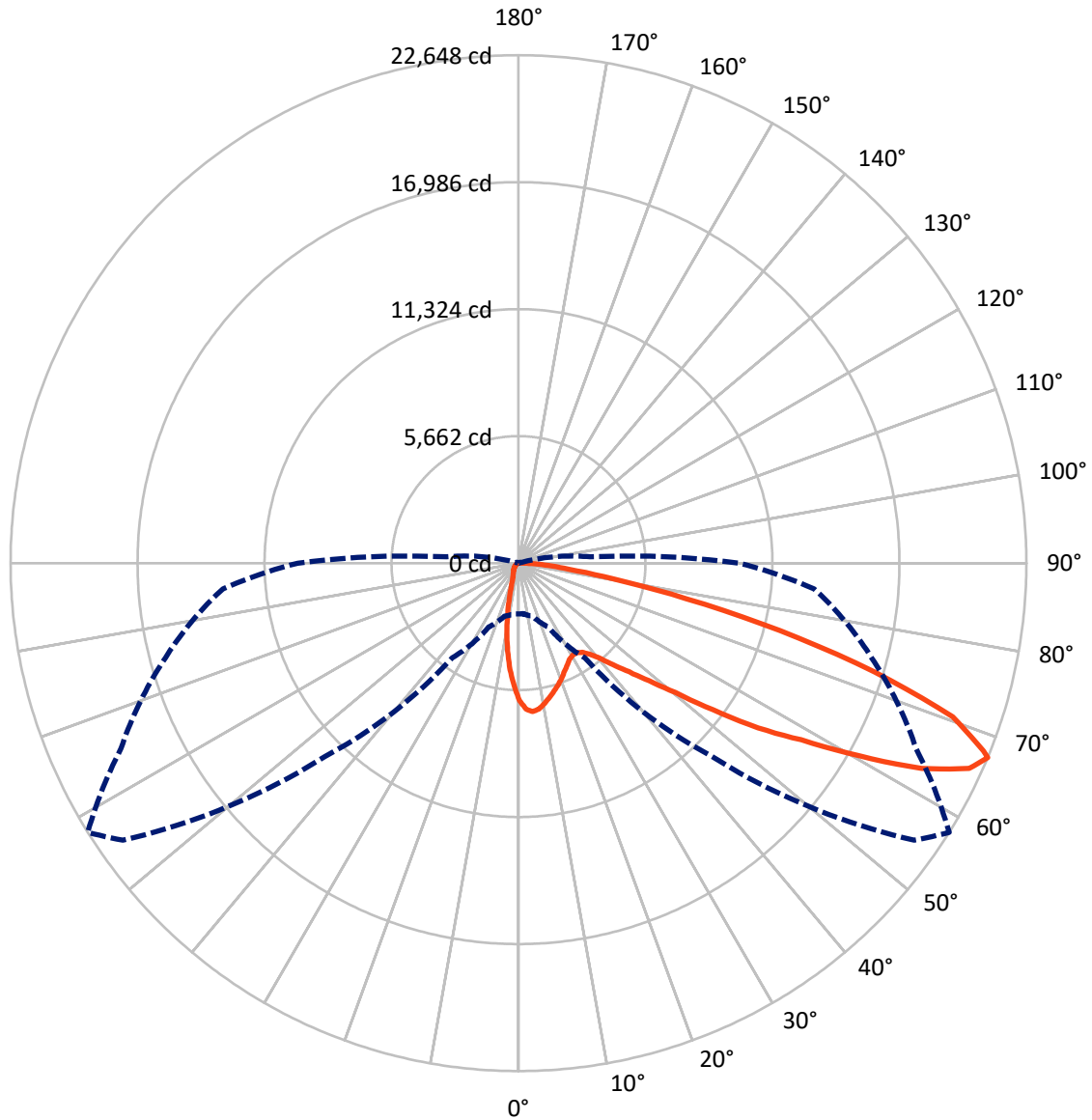
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Short - N/A

REPORT NUMBER: P484340  
CATALOG NUMBER: IFLD-M-SA4C-730-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P484340  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SL3-HSS

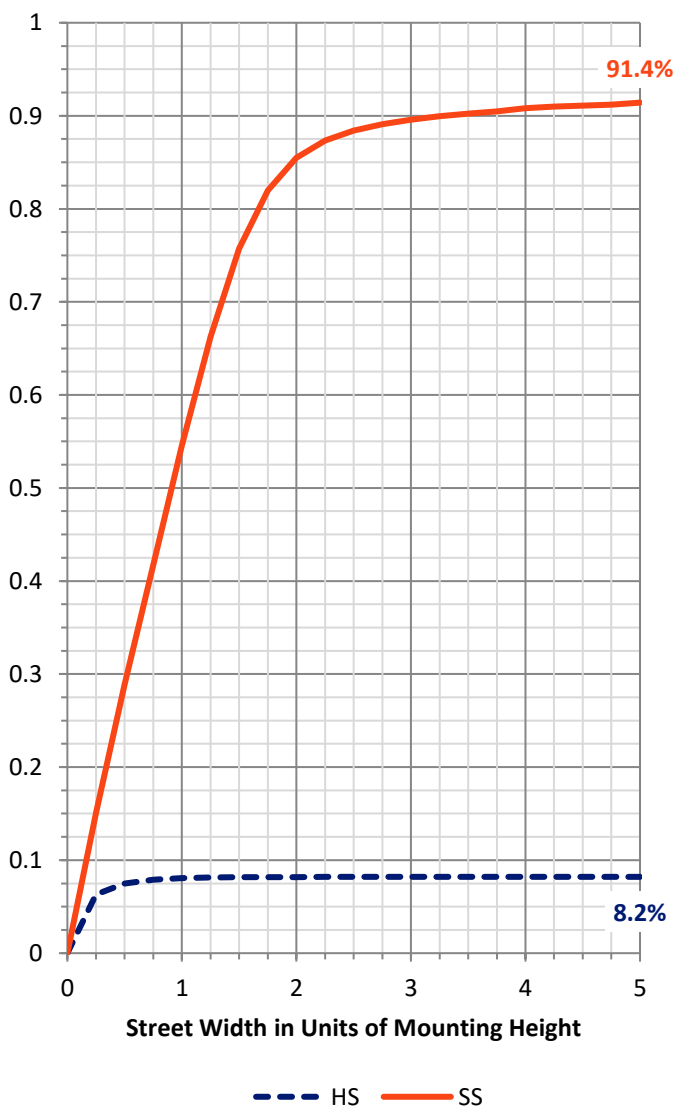
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1789.6	0.0	1789.6
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	19862.0	0.0	19862.0
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	21651.6	0.0	21651.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	486.7	2.2
10°-20°	1009.6	4.7
20°-30°	1339.5	6.2
30°-40°	1856.1	8.6
40°-50°	3028.5	14.0
50°-60°	5323.2	24.6
60°-70°	5895.9	27.2
70°-80°	2443.2	11.3
80°-90°	269.0	1.2
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°	21651.6	100.0
0°-180°	21651.6	100.0

**Coefficient of Utilization**



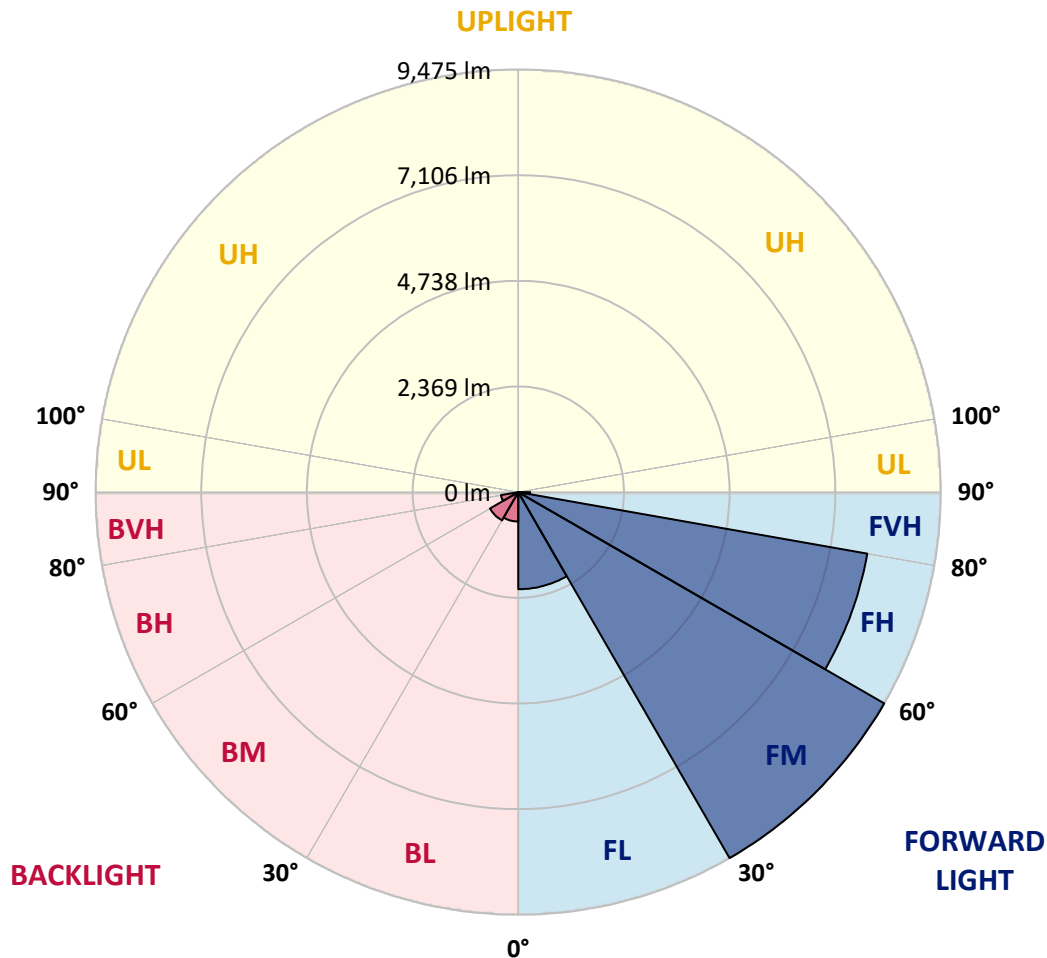
REPORT NUMBER: P484340  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2176.6	10.1			
FM (30°-60°)	9475.2	43.8			
FH (60°-80°)	7945.6	36.7			G4/12000
FVH (80°-90°)	264.5	1.2			G3/500
BL (0°-30°)	659.1	3.0	B2/1000		
BM (30°-60°)	732.6	3.4	B1/1000		
BH (60°-80°)	393.5	1.8	B1/500		G1/500
BVH (80°-90°)	4.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type III Short





REPORT NUMBER: P484340

CATALOG NUMBER: IFLD-M-SA4C-730-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2
2.5°	6674.6	6697.6	6717.7	6680.3	6712.0	6666.0	6548.1	6522.2	6502.1	6326.8	6226.2
5°	6671.7	6645.9	6666.0	6683.2	6640.1	6674.6	6645.9	6648.7	6571.1	6413.0	6131.3
7.5°	6226.2	6214.7	6226.2	6309.5	6404.4	6479.1	6522.2	6565.4	6513.6	6277.9	6004.8
10°	5625.4	5682.9	5714.5	5864.0	6010.6	6148.6	6283.7	6364.2	6349.8	6254.9	5866.9
12.5°	5205.7	5188.5	5303.5	5401.2	5547.8	5826.6	6062.3	6137.1	6223.3	6091.1	5685.8
15°	4817.7	4771.7	4840.7	5010.3	5260.3	5481.7	5812.2	5924.4	6033.6	6068.1	5588.0
17.5°	4446.9	4469.9	4541.7	4694.1	4929.8	5240.2	5550.7	5711.6	5973.2	5927.2	5441.4
20°	4268.6	4317.5	4343.4	4421.0	4584.8	4895.3	5358.1	5487.4	5766.3	5924.4	5297.7
22.5°	4277.3	4277.3	4216.9	4262.9	4412.4	4653.8	5096.5	5240.2	5682.9	5774.9	5168.4
25°	4369.2	4311.8	4314.6	4260.0	4323.3	4455.5	4860.8	5036.1	5513.3	5789.3	5099.4
27.5°	4438.2	4426.7	4409.5	4395.1	4314.6	4334.8	4705.6	4849.3	5447.2	5772.0	4993.0
30°	4688.3	4636.6	4619.3	4587.7	4481.4	4383.6	4582.0	4763.1	5395.4	5812.2	4932.6
32.5°	4898.2	4906.8	4921.2	4829.2	4737.2	4495.7	4616.5	4760.2	5358.1	5904.2	4993.0
35°	5162.6	5200.0	5205.7	5177.0	5079.2	4840.7	4760.2	4883.8	5421.3	6068.1	4998.8
37.5°	5565.0	5524.8	5634.0	5645.5	5576.5	5260.3	5093.6	5142.5	5608.2	6329.7	5217.2
40°	5826.6	5875.5	6079.6	6206.1	6088.2	5800.7	5576.5	5567.9	5878.4	6740.7	5487.4
42.5°	6116.9	6226.2	6450.4	6723.5	6709.1	6441.8	6214.7	6177.3	6358.4	7335.7	5915.7
45°	6513.6	6611.4	6924.7	7335.7	7559.9	7332.9	6990.8	6916.1	6941.9	8146.3	6645.9
47.5°	7171.9	7146.0	7597.3	8002.6	8370.6	8195.2	8048.6	7830.1	7810.0	9100.7	7654.8
50°	7916.4	7910.6	8313.1	8773.0	9198.4	9540.5	9296.1	9057.6	9063.3	10397.1	8842.0
52.5°	8623.5	8735.6	9169.7	9626.7	10356.8	10724.8	10960.5	10865.6	10408.6	11555.5	10112.5
55°	8997.2	9094.9	9526.1	10313.7	11466.4	12412.1	13050.2	12969.8	12087.3	12860.5	11365.8
57.5°	8643.6	8709.7	9293.3	10325.2	12242.5	14352.4	14964.7	14864.1	13823.5	13858.0	12880.7
60°	7163.3	7266.7	8134.8	9345.0	11940.7	15847.1	17600.6	17448.2	15404.5	15119.9	13855.1
62.5°	4961.4	5030.4	5743.3	7249.5	10509.2	16367.4	20089.9	20173.3	17071.7	16103.0	14145.4
65°	3213.7	3207.9	3616.1	4636.6	7447.8	14792.2	21561.7	22079.1	18681.4	16252.4	14056.3
67°	2270.9	2262.2	2454.8	3144.7	5156.9	12187.9	21535.8	22648.2	19555.2	16295.6	13231.3
67.5°	2095.5	2086.9	2270.9	2891.8	4653.8	11334.2	21213.8	22355.0	19862.8	16235.2	12869.2
70°	1627.0	1604.0	1673.0	1992.0	2710.7	7330.0	18155.4	20535.5	19224.7	14729.0	10276.4
72.5°	1175.7	1201.5	1310.8	1635.6	2127.1	3943.8	13837.9	16606.0	16057.0	11101.3	6530.9
75°	819.2	842.2	1017.6	1333.8	1951.8	2391.6	9356.5	12044.2	11184.7	6128.4	2782.5
77.5°	428.3	457.0	649.6	1066.4	1773.6	1851.2	5590.9	7637.6	5927.2	2181.7	767.5
80°	198.3	212.7	324.8	756.0	1483.2	1627.0	3259.7	4248.5	2371.5	488.7	264.5
82.5°	86.2	94.9	149.5	434.1	1052.1	1422.9	2017.9	2227.7	859.5	158.1	163.8
85°	17.2	20.1	57.5	230.0	508.8	862.4	1417.1	1322.3	431.2	77.6	129.4
87.5°	0.0	0.0	14.4	66.1	138.0	255.8	600.8	600.8	132.2	40.2	48.9
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: P484340  
 CATALOG NUMBER: IFLD-M-SA4C-730-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2	6134.2
2.5°	6137.1	6033.6	5806.5	5596.7	5447.2	5277.6	5053.4	4952.8	4915.4	4863.7	4786.0
5°	5976.1	5849.6	5461.6	5070.6	4642.3	4317.5	3972.6	3771.3	3619.0	3524.1	3492.5
7.5°	5749.0	5490.3	4967.1	4340.5	3785.7	3302.8	2779.6	2426.1	2199.0	2107.0	2020.8
10°	5567.9	5231.6	4435.4	3656.4	2917.6	2210.5	1621.2	1310.8	1075.1	986.0	974.5
12.5°	5332.2	4929.8	3938.1	2957.9	2029.4	1316.5	896.8	779.0	712.9	701.4	692.8
15°	5136.7	4656.7	3466.7	2291.0	1313.6	822.1	698.5	669.8	652.5	646.8	649.6
17.5°	5004.5	4363.5	2983.7	1667.2	865.2	672.6	643.9	626.6	618.0	615.1	606.5
20°	4742.9	4116.3	2506.6	1167.0	675.5	620.9	597.9	583.5	574.9	572.0	569.2
22.5°	4593.5	3803.0	2029.4	813.5	600.8	563.4	546.2	534.7	520.3	511.7	508.8
25°	4444.0	3573.0	1604.0	632.4	546.2	520.3	494.4	480.0	457.0	445.5	442.7
27.5°	4268.6	3345.9	1236.0	549.0	491.5	465.7	439.8	416.8	388.1	376.6	370.8
30°	4168.0	3124.6	931.3	491.5	451.3	416.8	385.2	356.4	324.8	304.7	298.9
32.5°	4116.3	2923.4	698.5	448.4	408.2	370.8	330.6	296.1	267.3	250.1	247.2
35°	4053.1	2727.9	549.0	408.2	367.9	327.7	287.5	253.0	224.2	209.8	204.1
37.5°	4119.2	2612.9	457.0	376.6	336.3	290.3	247.2	212.7	189.7	175.3	172.5
40°	4300.3	2518.1	396.7	347.8	304.7	255.8	215.6	181.1	161.0	149.5	143.7
42.5°	4579.1	2518.1	359.3	319.1	276.0	224.2	184.0	158.1	138.0	126.5	123.6
45°	5085.0	2595.7	327.7	290.3	241.5	192.6	158.1	132.2	112.1	100.6	97.7
47.5°	5795.0	2773.9	301.8	264.5	215.6	169.6	138.0	112.1	92.0	80.5	77.6
50°	6749.3	3179.2	276.0	232.8	192.6	146.6	115.0	89.1	71.9	60.4	57.5
52.5°	7939.4	3754.1	250.1	215.6	163.8	123.6	92.0	71.9	54.6	46.0	43.1
55°	9198.4	4458.4	218.5	192.6	140.9	103.5	74.7	54.6	40.2	34.5	31.6
57.5°	10466.1	5001.6	192.6	166.7	115.0	83.4	60.4	43.1	28.7	23.0	20.1
60°	11138.7	5053.4	166.7	138.0	92.0	66.1	46.0	31.6	20.1	14.4	11.5
62.5°	11242.2	4593.5	143.7	112.1	74.7	51.7	31.6	23.0	11.5	5.7	5.7
65°	10710.4	3828.8	123.6	89.1	57.5	37.4	23.0	14.4	5.7	2.9	0.0
67°	9848.1	3207.9	106.4	74.7	46.0	28.7	17.2	8.6	2.9	0.0	0.0
67.5°	9514.6	3035.5	100.6	69.0	43.1	25.9	14.4	8.6	2.9	0.0	0.0
70°	7384.6	2167.4	74.7	48.9	31.6	20.1	11.5	5.7	0.0	0.0	0.0
72.5°	4524.5	1267.7	57.5	34.5	23.0	14.4	8.6	2.9	0.0	0.0	0.0
75°	1897.2	436.9	48.9	25.9	17.2	8.6	5.7	2.9	0.0	0.0	0.0
77.5°	494.4	163.8	34.5	17.2	11.5	8.6	5.7	2.9	0.0	0.0	0.0
80°	201.2	74.7	23.0	11.5	11.5	8.6	5.7	2.9	0.0	0.0	0.0
82.5°	132.2	34.5	14.4	11.5	8.6	5.7	2.9	0.0	0.0	0.0	0.0
85°	100.6	20.1	8.6	8.6	5.7	2.9	0.0	0.0	0.0	0.0	0.0
87.5°	43.1	11.5	8.6	5.7	5.7	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)