

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: P483292

Luminaire Tested: **IFLD-L-SA7C-750-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483292
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-750-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

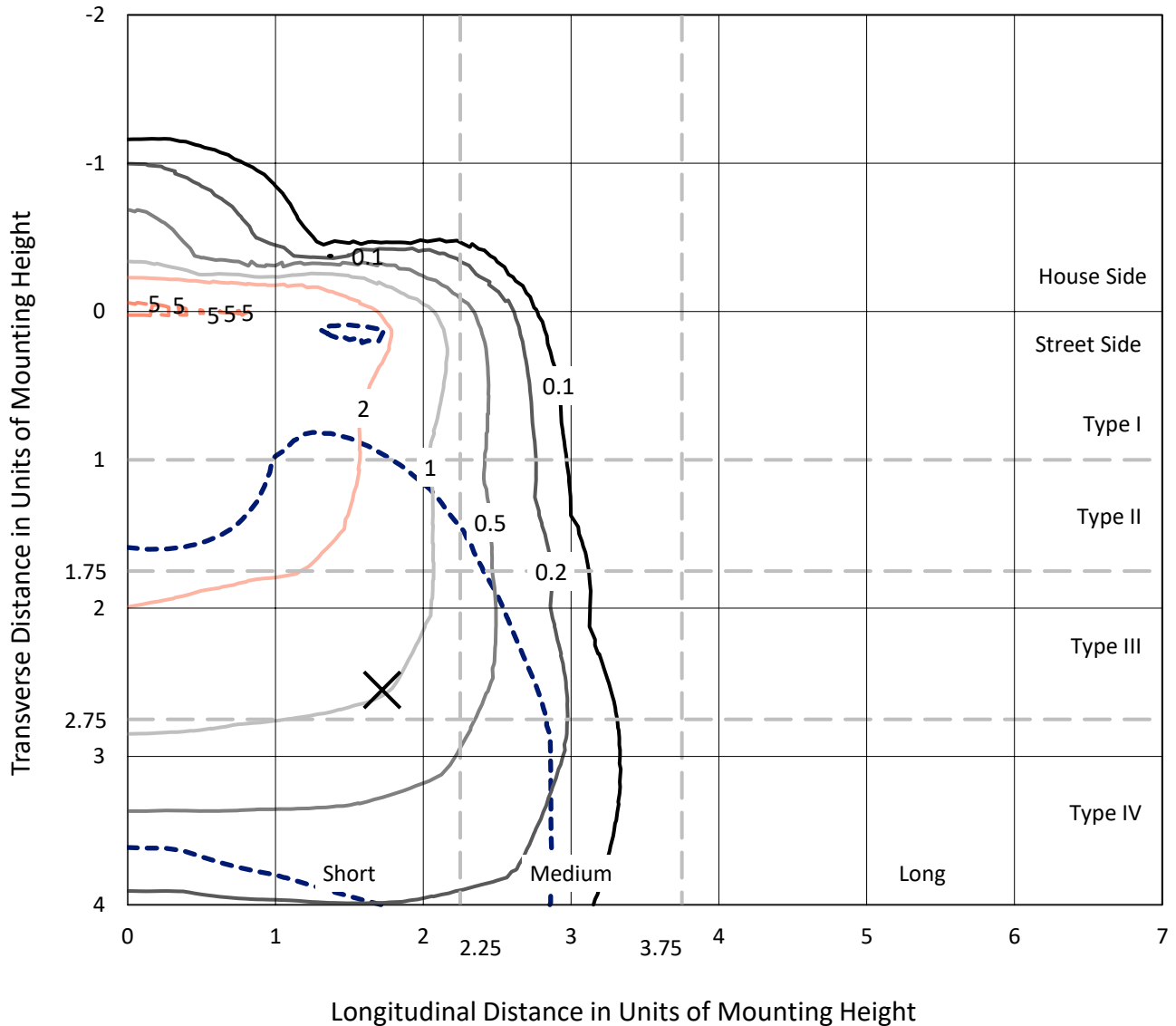
Lumens per Lamp: N/A
Luminaire Lumens: 32789.2 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 369
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

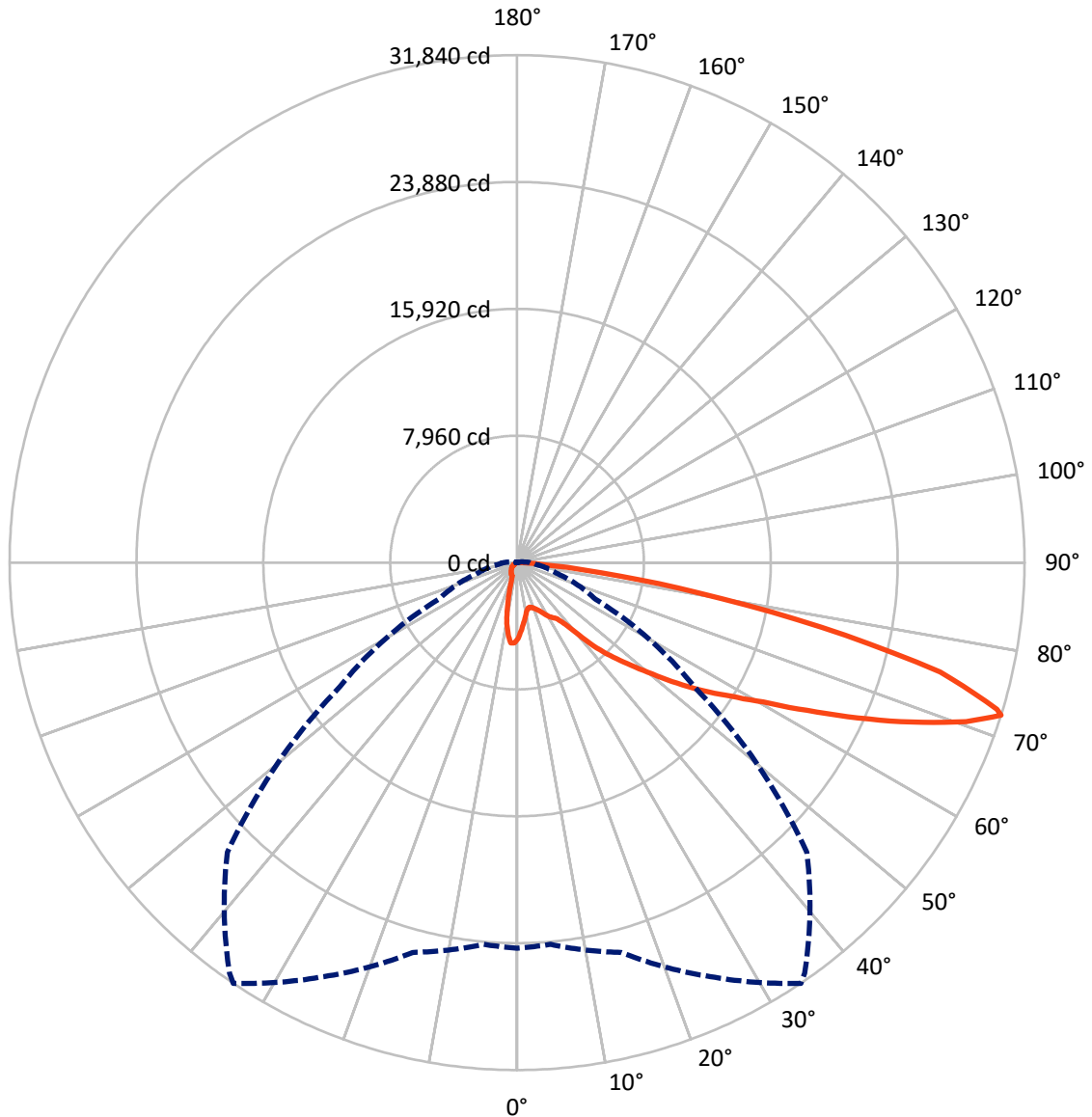
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3356.8	0.0	3356.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	29432.3	0.0	29432.3
	% Fixture	89.8	0.0	89.8
Total	Lumens	32789.2	0.0	32789.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.4	1.3
10°-20°	942.8	2.9
20°-30°	1423.0	4.3
30°-40°	2309.3	7.0
40°-50°	4342.5	13.2
50°-60°	7100.1	21.7
60°-70°	9438.6	28.8
70°-80°	6321.0	19.3
80°-90°	495.3	1.5
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°	32789.2	100.0
0°-180°	32789.2	100.0



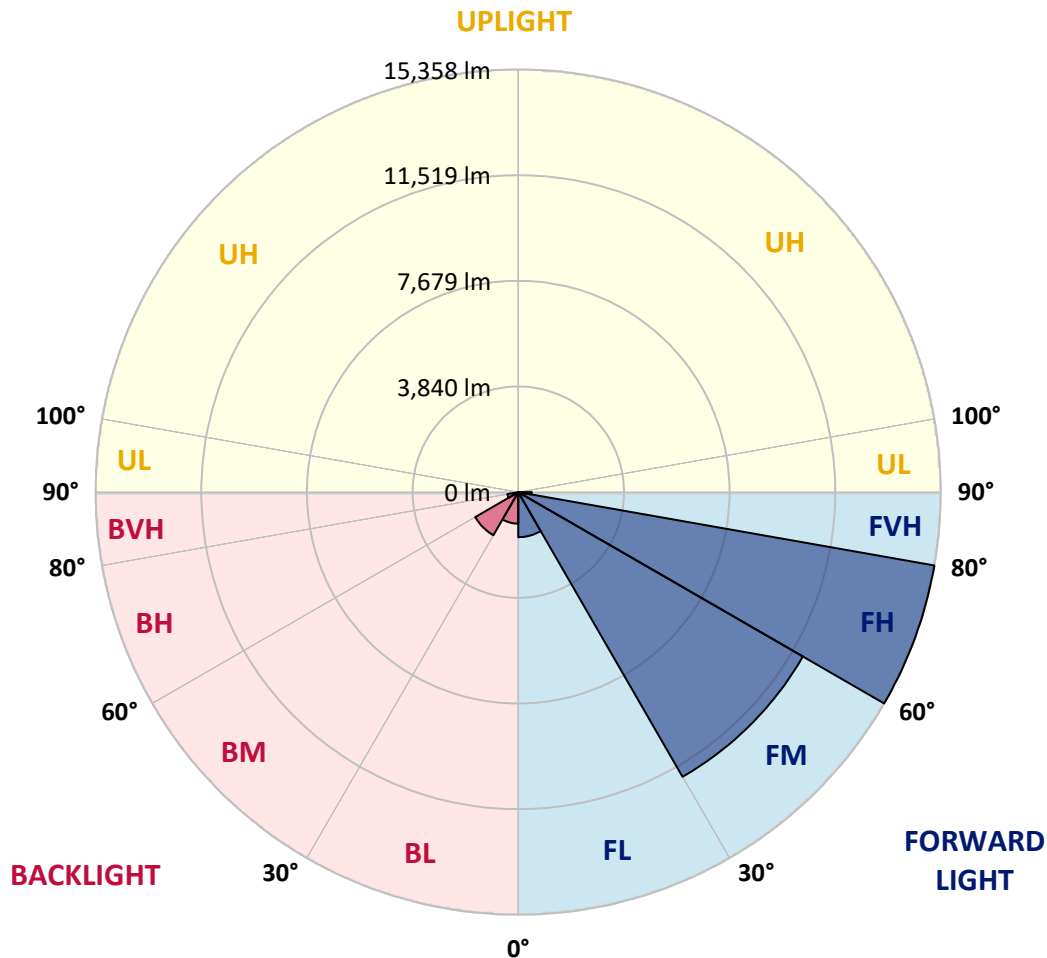
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1636.9	5.0			
FM (30°-60°)	11945.0	36.4			
FH (60°-80°)	15358.2	46.8			G5
FVH (80°-90°)	492.2	1.5			G3/500
BL (0°-30°)	1145.3	3.5	B3/2500		
BM (30°-60°)	1807.0	5.5	B2/2500		
BH (60°-80°)	401.4	1.2	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1
2.5°	4242.5	4233.0	4261.4	4308.8	4356.2	4337.3	4427.3	4522.1	4588.5	4678.6	4787.6
5°	3706.8	3730.5	3759.0	3853.8	3915.4	3929.6	4095.5	4218.8	4422.6	4631.2	4825.5
7.5°	3218.6	3247.0	3303.9	3408.2	3536.2	3569.4	3735.3	3981.8	4247.2	4522.1	4839.7
10°	2863.1	2891.5	2953.1	3019.5	3190.2	3190.2	3417.7	3759.0	4105.0	4427.3	4844.5
12.5°	2787.2	2801.5	2796.7	2848.9	2957.9	2981.6	3204.4	3578.8	3981.8	4394.2	4920.3
15°	2877.3	2886.8	2839.4	2810.9	2905.7	2929.4	3138.0	3469.8	3901.2	4413.1	5043.6
17.5°	3057.4	3024.2	2929.4	2886.8	2967.4	2981.6	3175.9	3465.1	3891.7	4465.3	5185.8
20°	3161.7	3199.6	3033.7	2953.1	3066.9	3085.9	3294.4	3540.9	3939.1	4555.3	5384.9
22.5°	3346.6	3365.5	3142.8	3090.6	3199.6	3199.6	3436.6	3692.6	4052.9	4702.3	5621.9
25°	3607.3	3583.6	3322.9	3270.7	3375.0	3417.7	3654.7	3934.4	4228.3	4839.7	5839.9
27.5°	3811.1	3825.3	3612.0	3474.6	3650.0	3678.4	3934.4	4195.1	4361.0	4953.5	6105.4
30°	4114.5	4086.0	3858.5	3702.1	3920.1	3924.9	4171.4	4441.6	4617.0	5157.3	6503.6
32.5°	4474.7	4417.9	4157.2	3934.4	4109.8	4152.4	4403.6	4797.1	5015.1	5541.3	7119.8
35°	5237.9	5100.5	4673.8	4327.8	4342.0	4361.0	4749.7	5313.8	5565.0	6029.5	7944.6
37.5°	6351.9	6295.0	5811.5	5152.6	4901.4	4844.5	5280.6	5996.3	6309.2	6674.2	9015.9
40°	7456.3	7375.7	6925.4	6427.7	5972.6	5858.9	6076.9	6901.7	7186.1	7570.1	10115.6
42.5°	8684.0	8541.8	8010.9	7608.0	7323.6	7200.4	7115.0	8039.4	8361.7	8622.4	11191.6
45°	9926.0	9693.7	8925.8	8617.7	8466.0	8399.6	8390.1	9470.9	9665.3	9717.4	12386.1
47.5°	11016.2	10765.0	10068.2	9722.1	9608.4	9589.4	10120.3	11120.5	10968.8	10831.3	13718.1
50°	11855.2	11694.1	11191.6	11068.4	10983.0	10949.9	12191.8	12817.5	12115.9	11874.2	14889.0
52.5°	13154.0	12793.8	12225.0	12267.6	12566.3	12571.0	14291.7	14429.2	13068.7	12590.0	15993.4
55°	14192.1	13955.1	13490.6	13429.0	14215.9	14301.2	16173.6	15652.1	13599.6	13272.6	16401.1
57.5°	15415.1	15306.1	14969.5	14979.0	15803.8	15983.9	17846.8	16685.5	14040.5	13713.4	16462.7
60°	17183.2	16870.4	16695.0	16775.6	17747.3	17922.7	19468.0	17429.7	14253.8	14002.5	16311.0
62.5°	19136.2	18771.2	18581.6	18994.0	20411.3	20439.7	20700.4	18088.6	14121.0	14078.4	15334.5
65°	21487.3	21127.1	20975.4	21804.9	23487.7	23383.4	22430.6	18368.3	13699.2	13315.2	12770.1
67.5°	23829.0	23610.9	23298.1	24620.6	26715.7	26715.7	24227.1	18264.0	12594.7	10689.1	8352.2
70°	24938.2	25089.9	25587.6	27663.8	29886.9	29659.4	26000.0	17064.7	9376.1	5740.4	3285.0
72°	24198.7	24042.3	25326.9	28659.2	31839.9	31465.4	25701.3	13566.4	5418.0	2517.0	1142.4
72.5°	22928.3	23075.3	24843.4	28521.8	31474.9	31783.0	24971.4	12514.1	4455.8	2005.1	862.7
75°	14059.4	14310.7	18543.6	24217.7	27426.8	27080.7	19316.3	5963.2	1711.2	853.2	308.1
77.5°	5133.6	5342.2	8996.9	15239.7	19505.9	19287.9	11177.4	2118.9	929.1	635.2	156.4
80°	1336.7	1445.8	3057.4	7029.7	11471.3	11485.5	4678.6	848.5	630.4	521.4	94.8
82.5°	265.5	293.9	938.6	2735.1	5361.2	5290.1	1478.9	455.1	474.0	426.6	66.4
85°	33.2	42.7	199.1	929.1	1734.9	1554.8	365.0	227.5	350.8	331.8	42.7
87.5°	4.7	4.7	47.4	213.3	365.0	355.5	75.8	71.1	156.4	203.8	23.7
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°	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1	4797.1
2.5°	4849.2	4868.2	4934.5	4991.4	5057.8	5076.8	5048.3	5095.7	5029.3	5067.3	5076.8
5°	4858.7	4967.7	5091.0	5171.6	5152.6	5105.2	5067.3	4939.3	4849.2	4816.0	4887.1
7.5°	4925.1	5048.3	5181.0	5181.0	5076.8	4830.3	4593.3	4365.7	4176.1	4081.3	4161.9
10°	5010.4	5138.4	5275.8	5095.7	4707.0	4256.7	3920.1	3493.5	3204.4	3052.7	3066.9
12.5°	5124.2	5304.3	5351.7	4934.5	4289.9	3621.5	3010.0	2417.5	2142.6	1924.5	1929.3
15°	5271.1	5446.5	5304.3	4583.8	3759.0	2773.0	2038.3	1474.2	1256.2	1142.4	1142.4
17.5°	5465.4	5598.2	5290.1	4261.4	3043.2	1896.1	1251.4	995.4	948.0	929.1	929.1
20°	5693.0	5792.5	5152.6	3759.0	2261.1	1218.2	919.6	891.2	895.9	886.4	886.4
22.5°	5948.9	5982.1	4996.2	3175.9	1531.1	900.6	858.0	862.7	867.5	858.0	862.7
25°	6219.1	6129.1	4768.6	2493.3	1019.1	820.1	829.5	839.0	843.8	848.5	848.5
27.5°	6522.5	6342.4	4451.0	1825.0	796.4	772.7	801.1	829.5	834.3	834.3	829.5
30°	6968.1	6669.5	4142.9	1237.2	701.5	720.5	767.9	801.1	824.8	824.8	820.1
32.5°	7532.2	7010.8	3711.6	843.8	649.4	658.9	696.8	763.2	815.3	820.1	805.8
35°	8314.3	7423.1	3261.3	673.1	611.5	616.2	639.9	692.1	782.1	810.6	805.8
37.5°	9139.1	7892.4	2701.9	606.7	583.0	578.3	592.5	635.2	715.8	786.9	791.6
40°	10016.0	8385.4	2114.1	573.6	559.3	549.9	554.6	573.6	635.2	725.3	744.2
42.5°	10840.8	8831.0	1588.0	540.4	535.6	526.2	526.2	530.9	564.1	625.7	635.2
45°	11732.0	9196.0	1208.8	516.7	502.5	507.2	488.2	478.8	502.5	507.2	502.5
47.5°	12566.3	9561.0	967.0	488.2	474.0	474.0	450.3	431.4	431.4	388.7	384.0
50°	13348.4	9760.1	772.7	450.3	445.6	440.8	407.7	374.5	346.0	293.9	284.4
52.5°	13997.8	9750.6	597.3	402.9	417.1	402.9	350.8	303.4	260.7	213.3	203.8
55°	14192.1	9295.5	450.3	331.8	355.5	336.6	279.7	237.0	189.6	151.7	146.9
57.5°	14026.2	8603.5	341.3	256.0	274.9	256.0	213.3	175.4	132.7	104.3	94.8
60°	13471.6	7792.9	265.5	199.1	208.6	194.3	161.2	132.7	94.8	66.4	56.9
62.5°	12419.3	6778.5	203.8	156.4	151.7	151.7	123.2	99.5	66.4	37.9	33.2
65°	10191.4	5285.3	156.4	109.0	109.0	109.0	94.8	71.1	42.7	19.0	9.5
67.5°	6399.3	3076.4	128.0	85.3	80.6	80.6	66.4	47.4	23.7	4.7	0.0
70°	2408.0	1128.2	99.5	66.4	61.6	61.6	47.4	28.4	14.2	0.0	0.0
72°	829.5	431.4	80.6	47.4	47.4	42.7	33.2	23.7	9.5	0.0	0.0
72.5°	682.6	346.0	75.8	47.4	42.7	42.7	33.2	23.7	9.5	0.0	0.0
75°	246.5	142.2	52.1	33.2	28.4	28.4	23.7	14.2	4.7	0.0	0.0
77.5°	123.2	90.1	42.7	28.4	23.7	14.2	14.2	9.5	4.7	0.0	0.0
80°	75.8	56.9	23.7	19.0	14.2	9.5	4.7	4.7	0.0	0.0	0.0
82.5°	52.1	33.2	14.2	14.2	9.5	4.7	0.0	0.0	0.0	0.0	0.0
85°	33.2	14.2	9.5	9.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.2	9.5	4.7	0.0	0.0	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)