

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: P483648

Luminaire Tested: **IFLD-L-SA8C-740-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483648  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-740-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (128) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

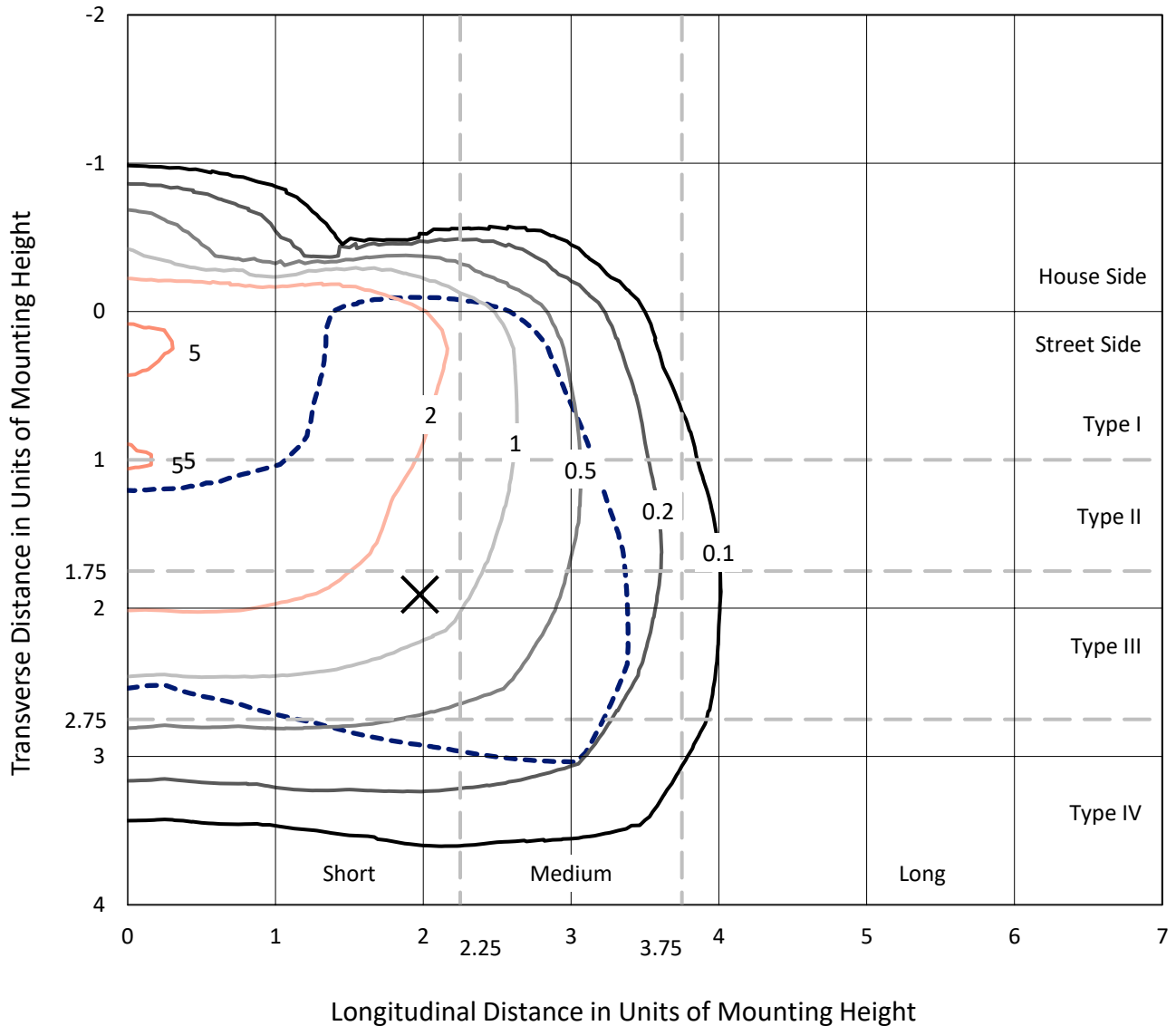
Lumens per Lamp: N/A  
Luminaire Lumens: 37381.7 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

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

REPORT NUMBER: P483648  
 CATALOG NUMBER: IFLD-L-SA8C-740-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

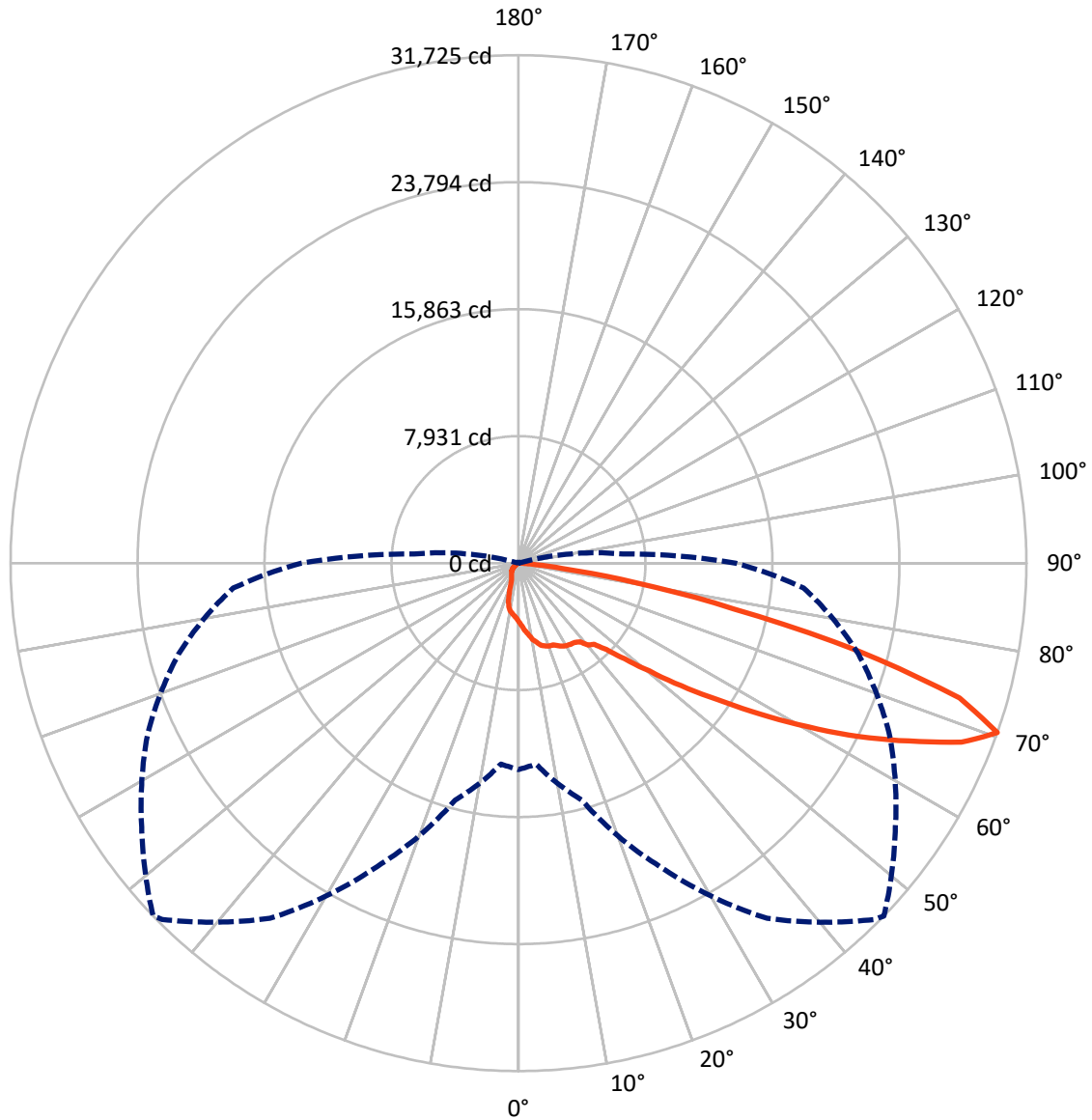
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483648  
CATALOG NUMBER: IFLD-L-SA8C-740-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483648  
 CATALOG NUMBER: IFLD-L-SA8C-740-U-T4W-HSS

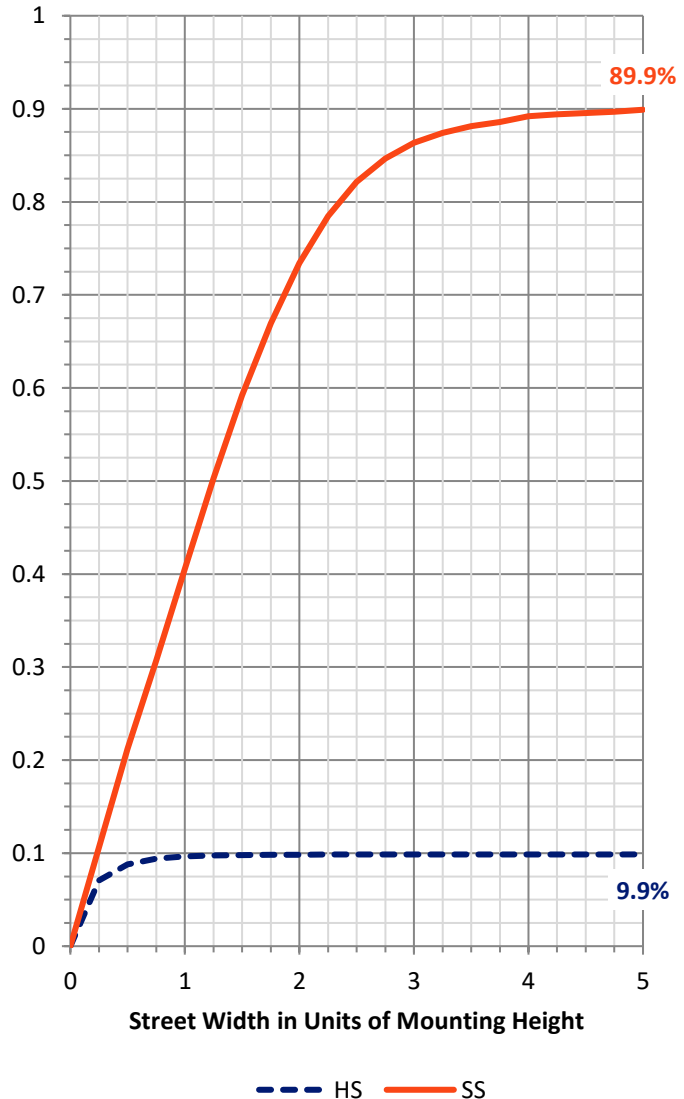
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3719.6	0.0	3719.6
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	33662.1	0.0	33662.1
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	37381.7	0.0	37381.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.9	1.0
10°-20°	1105.0	3.0
20°-30°	1770.0	4.7
30°-40°	2526.4	6.8
40°-50°	4362.5	11.7
50°-60°	8352.4	22.3
60°-70°	12368.6	33.1
70°-80°	6126.0	16.4
80°-90°	404.8	1.1
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°	37381.7	100.0
0°-180°	37381.7	100.0

**Coefficient of Utilization**

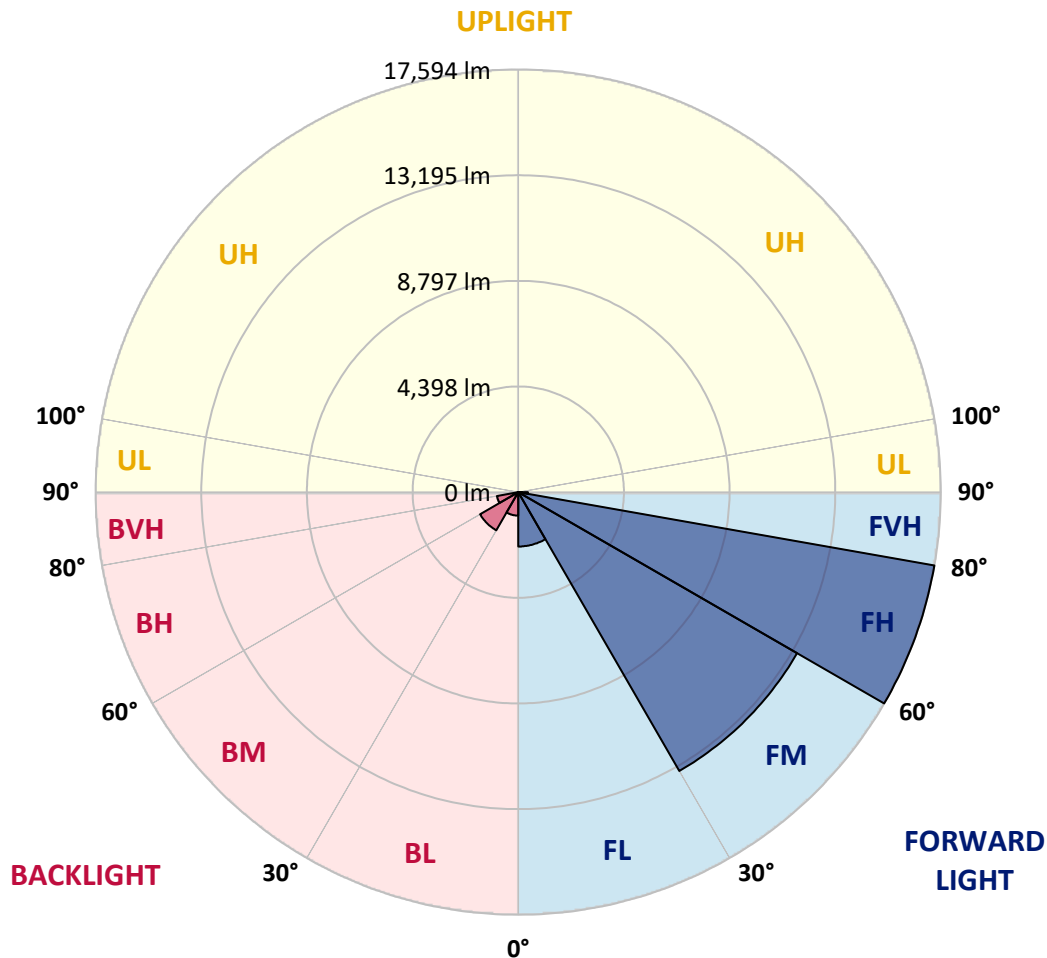


REPORT NUMBER: P483648  
 CATALOG NUMBER: IFLD-L-SA8C-740-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2263.7	6.1			
FM (30°-60°)	13405.0	35.9			
FH (60°-80°)	17593.8	47.1			G5
FVH (80°-90°)	399.6	1.1			G3/500
BL (0°-30°)	977.2	2.6	B2/1000		
BM (30°-60°)	1836.4	4.9	B2/2500		
BH (60°-80°)	900.9	2.4	B2/1000		G2/1000
BVH (80°-90°)	5.2	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-G5**  
 Type IV Short





REPORT NUMBER: P483648

CATALOG NUMBER: IFLD-L-SA8C-740-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7
2.5°	4094.8	4067.9	4024.9	4008.7	3965.7	3944.1	3911.9	3895.7	3836.5	3777.3	3739.7
5°	4595.2	4530.6	4552.2	4487.6	4347.7	4234.7	4229.3	4105.6	3971.0	3863.4	3718.1
7.5°	5101.0	5047.2	4966.5	4875.0	4719.0	4552.2	4503.7	4385.4	4197.0	4008.7	3815.0
10°	5483.1	5445.4	5375.4	5246.3	5031.1	4842.7	4848.1	4649.0	4449.9	4234.7	3971.0
12.5°	5719.8	5736.0	5633.7	5504.6	5316.2	5079.5	5074.1	4939.6	4713.6	4487.6	4175.5
15°	5956.6	6015.8	5859.7	5709.0	5466.9	5294.7	5327.0	5165.6	4945.0	4686.7	4342.3
17.5°	5994.2	6010.4	5978.1	5757.5	5579.9	5434.6	5440.0	5332.4	5165.6	4885.8	4589.8
20°	5929.7	5918.9	5881.2	5719.8	5601.4	5515.3	5520.7	5493.8	5402.3	5176.3	4772.8
22.5°	5741.3	5741.3	5692.9	5585.3	5531.5	5612.2	5547.6	5649.9	5553.0	5418.5	5084.9
25°	5590.7	5649.9	5623.0	5553.0	5574.5	5682.1	5714.4	5811.3	5795.1	5628.3	5300.1
27.5°	5752.1	5682.1	5698.3	5617.6	5698.3	5859.7	5875.9	5945.8	5940.4	5805.9	5493.8
30°	5859.7	5924.3	5800.5	5623.0	5709.0	5983.5	5972.7	6064.2	6107.2	5945.8	5676.8
32.5°	6204.1	6150.3	6048.0	5811.3	5822.0	5978.1	6026.5	6144.9	6171.8	6074.9	5854.3
35°	6909.0	6828.3	6381.6	6026.5	5972.7	6048.0	6080.3	6311.7	6360.1	6252.5	6042.7
37.5°	7995.9	7812.9	7274.9	6489.3	6247.1	6231.0	6231.0	6537.7	6720.6	6473.1	6322.5
40°	9551.0	9292.7	8711.5	7344.8	6607.6	6672.2	6736.8	6903.6	6882.1	6720.6	6688.4
42.5°	11531.1	11332.0	10702.4	8781.5	7296.4	6973.5	6919.7	7145.7	7484.7	7420.1	7398.6
45°	13183.0	13193.8	12790.2	10750.9	8485.5	7667.7	7705.3	7877.5	8447.9	8399.5	8394.1
47.5°	14388.3	14237.6	14178.5	12650.3	10218.2	8986.0	8932.2	9050.5	9793.1	10099.8	10239.7
50°	15486.0	15383.8	15243.9	14495.9	12300.5	10637.9	10584.1	10594.8	11730.2	12160.6	12505.0
52.5°	16847.3	16976.5	16513.7	16056.4	14996.3	12784.8	12725.6	12515.8	13925.6	14517.4	14926.4
55°	18526.2	18284.0	17762.1	17998.8	17573.8	15104.0	14996.3	14748.8	16427.6	16675.2	17105.6
57.5°	18897.4	18714.5	19252.6	20092.0	20500.9	17826.6	17783.6	17337.0	18531.5	18305.5	19521.6
60°	19822.9	19871.4	20619.3	22287.3	22997.6	20969.0	20759.2	19973.6	20570.9	20613.9	21910.7
62.5°	20775.3	20662.3	22335.8	23939.3	25031.6	23944.6	23874.7	22314.3	22992.2	22443.4	24159.9
65°	20075.8	20248.0	22642.5	25327.5	27668.2	26855.7	26796.5	24568.8	24940.1	24256.7	25074.6
67.5°	17589.9	17240.1	20592.4	24692.6	29024.1	29906.6	29842.0	27027.8	26037.8	24246.0	23175.2
70°	12892.4	12591.1	15324.6	20909.9	27081.7	31467.0	31725.3	28738.9	25591.2	21986.0	17880.5
72.5°	6317.1	6322.5	8587.8	14178.5	21426.4	28679.8	28808.9	26349.9	21986.0	16207.0	10126.7
75°	1867.1	1888.7	3180.1	6952.0	13850.2	21781.6	21926.8	20000.5	15238.5	8372.6	3454.5
77.5°	683.4	683.4	1054.6	2609.7	6909.0	13748.0	13737.2	12279.0	7716.1	2835.7	807.1
80°	355.1	371.3	548.8	1065.4	2991.7	7161.9	7430.9	6010.4	2932.5	1194.5	236.8
82.5°	145.3	161.4	301.3	548.8	1436.7	2512.8	2749.6	2356.8	1275.3	834.0	107.6
85°	43.0	48.4	145.3	306.7	565.0	629.6	699.5	791.0	801.7	645.7	48.4
87.5°	5.4	5.4	59.2	102.2	123.8	134.5	156.0	156.0	408.9	452.0	26.9
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: P483648

CATALOG NUMBER: IFLD-L-SA8C-740-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7	3669.7
2.5°	3696.6	3669.7	3626.7	3529.8	3508.3	3438.3	3433.0	3368.4	3389.9	3346.9	3330.7
5°	3669.7	3610.5	3492.2	3416.8	3341.5	3293.1	3260.8	3233.9	3228.5	3207.0	3196.2
7.5°	3718.1	3637.4	3454.5	3336.1	3207.0	3163.9	3094.0	3088.6	3050.9	3013.3	3013.3
10°	3879.6	3734.3	3535.2	3336.1	3169.3	3029.4	2868.0	2749.6	2706.6	2609.7	2620.5
12.5°	4008.7	3879.6	3589.0	3384.5	3131.6	2814.2	2459.0	2184.6	2055.5	1931.7	1980.1
15°	4191.7	4003.3	3691.2	3395.3	2986.4	2437.5	1856.4	1549.7	1431.3	1404.4	1399.0
17.5°	4390.7	4191.7	3820.4	3368.4	2690.4	1883.3	1366.7	1189.2	1210.7	1243.0	1237.6
20°	4611.4	4369.2	3917.2	3276.9	2222.3	1366.7	1119.2	1113.8	1146.1	1194.5	1205.3
22.5°	4842.7	4632.9	4035.6	3002.5	1657.3	1097.7	1076.2	1076.2	1097.7	1156.9	1146.1
25°	5101.0	4821.2	4094.8	2577.4	1189.2	1011.6	1022.4	1043.9	1054.6	1103.1	1108.4
27.5°	5300.1	5031.1	4110.9	2066.2	968.5	936.3	963.2	990.1	1006.2	1043.9	1060.0
30°	5483.1	5294.7	4024.9	1538.9	887.8	871.7	882.5	920.1	952.4	984.7	984.7
32.5°	5714.4	5445.4	3825.8	1092.3	839.4	812.5	807.1	823.3	860.9	898.6	898.6
35°	5951.2	5698.3	3508.3	877.1	796.4	758.7	737.2	721.0	737.2	764.1	785.6
37.5°	6295.6	6080.3	3110.1	807.1	764.1	710.3	667.2	629.6	602.7	597.3	613.4
40°	6785.2	6510.8	2598.9	758.7	726.4	661.8	597.3	532.7	473.5	435.8	441.2
42.5°	7527.8	7145.7	2044.7	731.8	699.5	608.0	516.6	425.1	349.8	312.1	312.1
45°	8587.8	7985.1	1501.2	704.9	667.2	543.5	425.1	317.5	242.1	220.6	226.0
47.5°	10185.9	8996.7	1076.2	661.8	624.2	473.5	333.6	226.0	177.6	166.8	172.2
50°	12273.6	10196.6	839.4	613.4	570.4	398.2	247.5	166.8	139.9	134.5	139.9
52.5°	14463.6	11407.3	737.2	570.4	489.7	317.5	182.9	134.5	118.4	113.0	118.4
55°	16336.2	12187.6	640.3	505.8	392.8	236.8	145.3	118.4	102.2	86.1	86.1
57.5°	18230.2	12580.4	505.8	419.7	290.6	177.6	123.8	102.2	86.1	70.0	64.6
60°	19769.1	12860.2	360.5	312.1	204.5	139.9	107.6	91.5	70.0	53.8	48.4
62.5°	20780.7	12058.4	263.7	236.8	150.7	118.4	91.5	75.3	53.8	37.7	37.7
65°	20280.3	10950.0	204.5	166.8	113.0	91.5	75.3	53.8	37.7	21.5	16.1
67.5°	18197.9	8921.4	166.8	123.8	86.1	70.0	59.2	43.0	21.5	5.4	5.4
70°	13575.8	6537.7	134.5	91.5	70.0	53.8	43.0	26.9	10.8	5.4	0.0
72.5°	7425.5	3578.2	107.6	75.3	53.8	43.0	32.3	21.5	10.8	0.0	0.0
75°	2453.7	952.4	80.7	53.8	32.3	26.9	21.5	16.1	5.4	0.0	0.0
77.5°	591.9	247.5	64.6	48.4	26.9	16.1	10.8	5.4	5.4	0.0	0.0
80°	182.9	102.2	48.4	32.3	21.5	16.1	5.4	0.0	0.0	0.0	0.0
82.5°	75.3	48.4	21.5	21.5	16.1	5.4	0.0	0.0	0.0	0.0	0.0
85°	37.7	26.9	16.1	10.8	10.8	5.4	0.0	0.0	0.0	0.0	0.0
87.5°	26.9	10.8	5.4	5.4	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)