

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: P483166

Luminaire Tested: **IFLD-S-SA6D-730-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483166
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-730-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

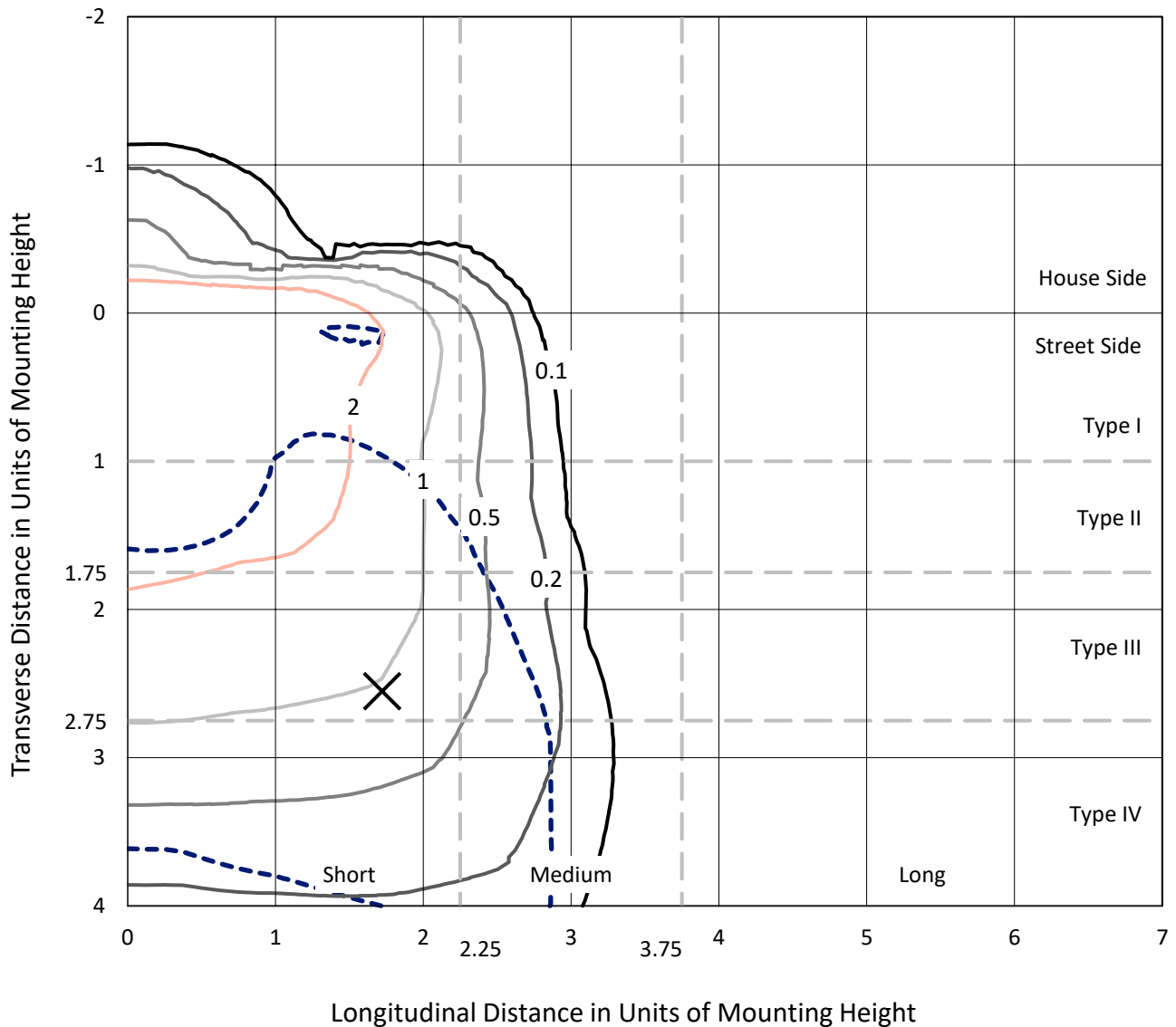
Lumens per Lamp: N/A
Luminaire Lumens: 30105.3 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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

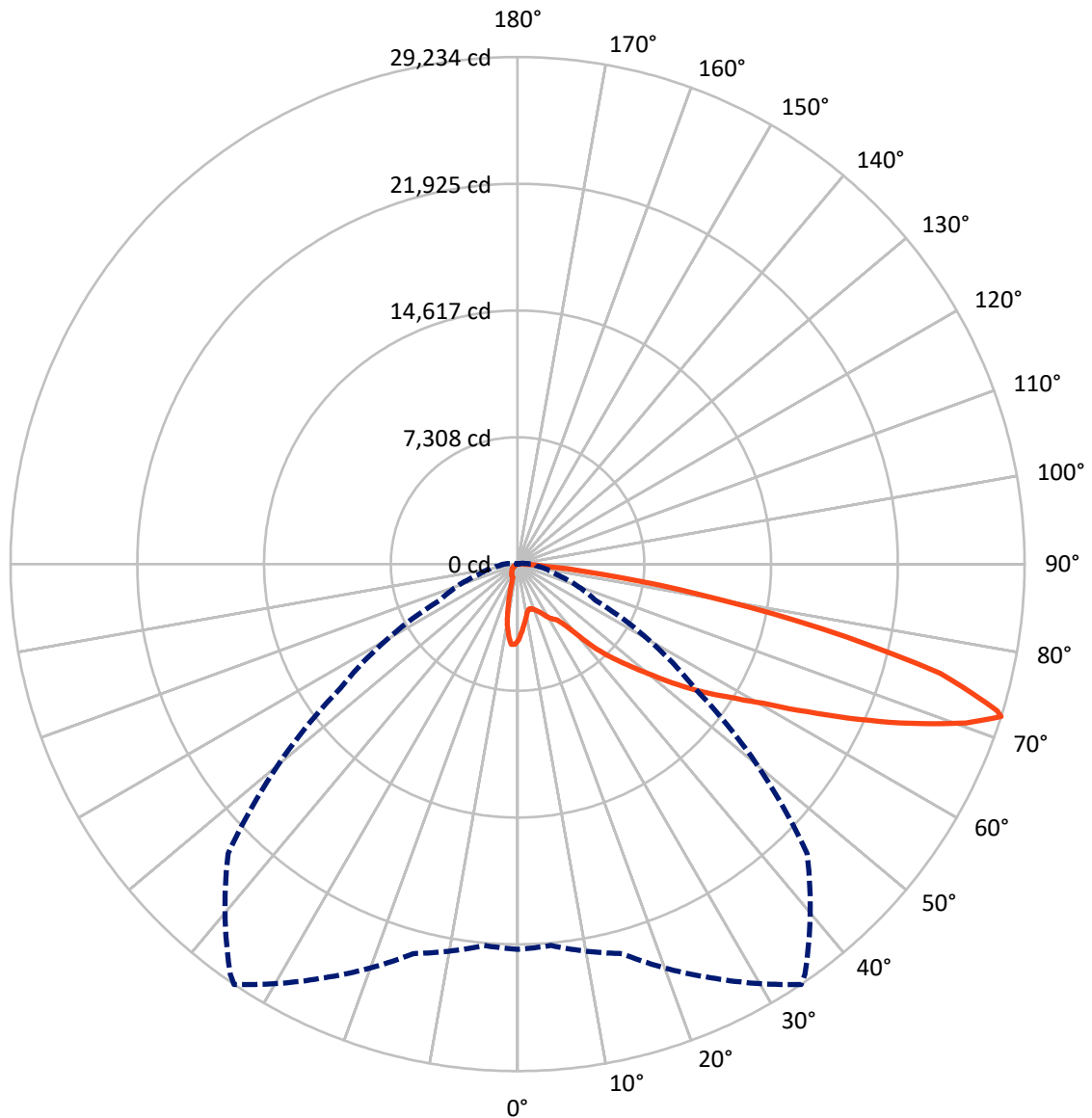
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.9 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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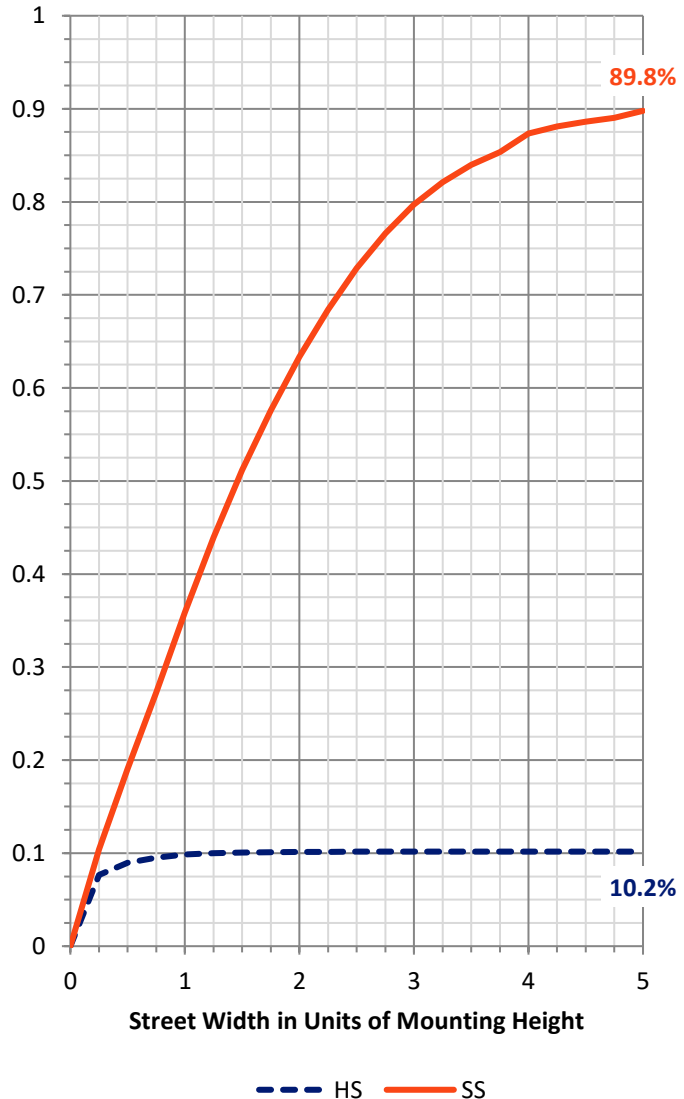
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3082.1	0.0	3082.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	27023.2	0.0	27023.2
	% Fixture	89.8	0.0	89.8
Total	Lumens	30105.3	0.0	30105.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.3	1.3
10°-20°	865.6	2.9
20°-30°	1306.6	4.3
30°-40°	2120.3	7.0
40°-50°	3987.1	13.2
50°-60°	6519.0	21.7
60°-70°	8666.0	28.8
70°-80°	5803.6	19.3
80°-90°	454.8	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°	30105.3	100.0
0°-180°	30105.3	100.0

Coefficient of Utilization

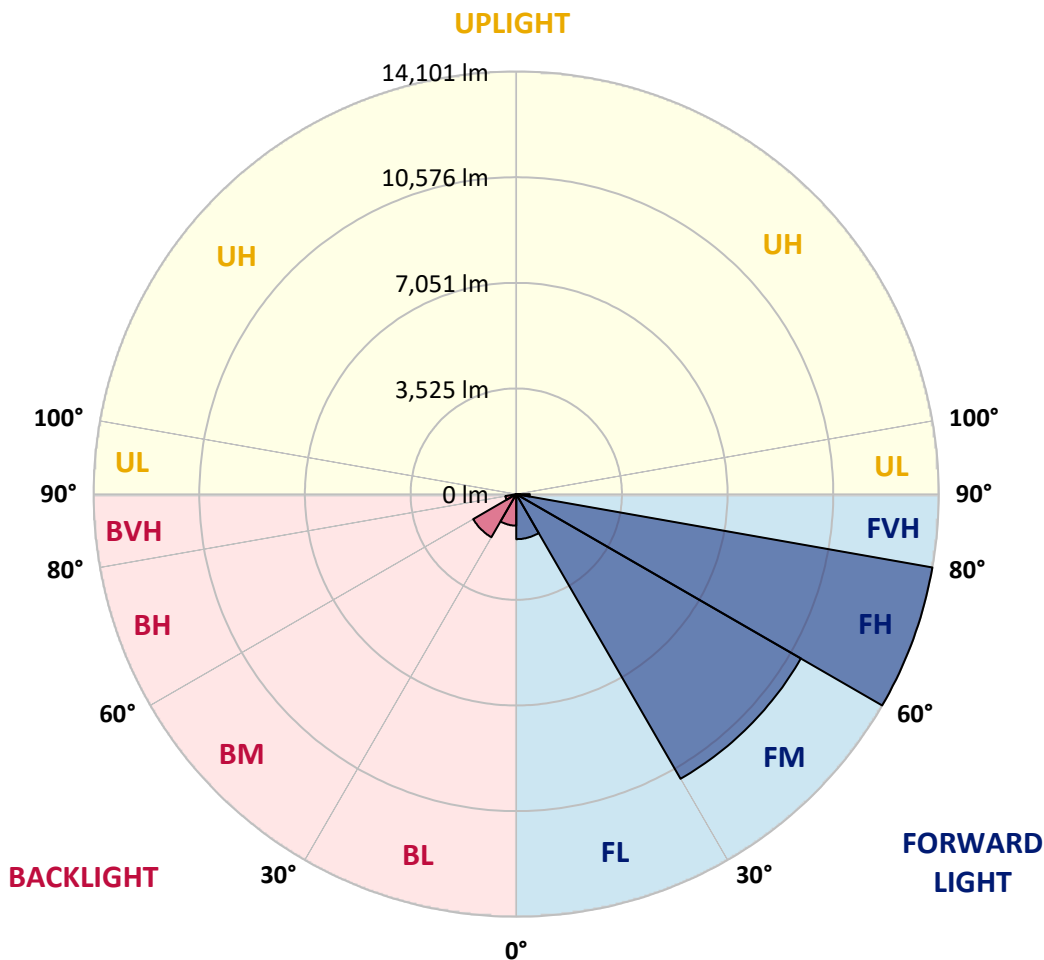


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1502.9	5.0			
FM (30°-60°)	10967.3	36.4			
FH (60°-80°)	14101.1	46.8			G5
FVH (80°-90°)	451.9	1.5			G3/500
BL (0°-30°)	1051.6	3.5	B3/2500		
BM (30°-60°)	1659.0	5.5	B2/2500		
BH (60°-80°)	368.6	1.2	B1/500		G1/500
BVH (80°-90°)	2.9	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°	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4
2.5°	3895.2	3886.5	3912.6	3956.1	3999.7	3982.3	4065.0	4152.0	4212.9	4295.6	4395.7
5°	3403.4	3425.2	3451.3	3538.3	3594.9	3608.0	3760.3	3873.5	4060.6	4252.1	4430.5
7.5°	2955.1	2981.3	3033.5	3129.2	3246.7	3277.2	3429.5	3655.8	3899.6	4152.0	4443.6
10°	2628.7	2654.8	2711.4	2772.3	2929.0	2929.0	3137.9	3451.3	3769.0	4065.0	4447.9
12.5°	2559.1	2572.1	2567.8	2615.7	2715.8	2737.5	2942.1	3285.9	3655.8	4034.5	4517.6
15°	2641.8	2650.5	2607.0	2580.9	2667.9	2689.7	2881.2	3185.8	3581.9	4051.9	4630.7
17.5°	2807.2	2776.7	2689.7	2650.5	2724.5	2737.5	2916.0	3181.5	3573.2	4099.8	4761.3
20°	2902.9	2937.7	2785.4	2711.4	2815.9	2833.3	3024.8	3251.1	3616.7	4182.5	4944.1
22.5°	3072.7	3090.1	2885.5	2837.6	2937.7	2937.7	3155.3	3390.4	3721.1	4317.4	5161.7
25°	3312.0	3290.3	3050.9	3003.0	3098.8	3137.9	3355.5	3612.3	3882.2	4443.6	5361.9
27.5°	3499.2	3512.2	3316.4	3190.2	3351.2	3377.3	3612.3	3851.7	4004.0	4548.0	5605.6
30°	3777.7	3751.6	3542.7	3399.1	3599.3	3603.6	3829.9	4078.0	4239.0	4735.2	5971.2
32.5°	4108.5	4056.2	3816.9	3612.3	3773.4	3812.5	4043.2	4404.4	4604.6	5087.7	6537.0
35°	4809.2	4683.0	4291.3	3973.6	3986.6	4004.0	4360.9	4878.8	5109.5	5536.0	7294.3
37.5°	5831.9	5779.7	5335.8	4730.8	4500.2	4447.9	4848.3	5505.5	5792.8	6127.9	8277.9
40°	6846.0	6772.0	6358.6	5901.6	5483.8	5379.3	5579.5	6336.8	6597.9	6950.5	9287.6
42.5°	7973.2	7842.7	7355.2	6985.3	6724.1	6611.0	6532.6	7381.3	7677.3	7916.6	10275.5
45°	9113.5	8900.2	8195.2	7912.3	7773.0	7712.1	7703.4	8695.7	8874.1	8922.0	11372.3
47.5°	10114.5	9883.8	9244.1	8926.4	8821.9	8804.5	9291.9	10210.3	10071.0	9944.8	12595.3
50°	10884.8	10736.9	10275.5	10162.4	10084.0	10053.6	11193.8	11768.3	11124.2	10902.3	13670.2
52.5°	12077.3	11746.6	11224.3	11263.5	11537.7	11542.0	13121.9	13248.1	11999.0	11559.4	14684.3
55°	13030.5	12812.9	12386.3	12329.8	13052.2	13130.6	14849.7	14371.0	12486.4	12186.1	15058.6
57.5°	14153.3	14053.2	13744.2	13752.9	14510.2	14675.6	16386.0	15319.7	12891.2	12590.9	15115.2
60°	15776.7	15489.5	15328.4	15402.4	16294.6	16455.7	17874.5	16003.0	13087.1	12856.4	14975.9
62.5°	17569.8	17234.7	17060.6	17439.2	18740.6	18766.7	19006.0	16608.0	12965.2	12926.0	14079.4
65°	19728.5	19397.7	19258.5	20020.1	21565.1	21469.4	20594.6	16864.8	12577.8	12225.3	11724.8
67.5°	21878.5	21678.3	21391.0	22605.3	24529.0	24529.0	22244.1	16769.0	11563.8	9814.2	7668.6
70°	22896.9	23036.2	23493.2	25399.4	27440.6	27231.7	23871.8	15667.9	8608.6	5270.5	3016.1
72°	22218.0	22074.3	23253.8	26313.4	29233.7	28889.9	23597.6	12456.0	4974.6	2311.0	1048.9
72.5°	21051.6	21186.5	22809.9	26187.2	28898.6	29181.5	22927.4	11489.8	4091.1	1841.0	792.1
75°	12908.6	13139.3	17025.8	22235.4	25181.8	24864.1	17735.2	5475.1	1571.1	783.4	282.9
77.5°	4713.4	4904.9	8260.5	13992.3	17909.3	17709.1	10262.5	1945.4	853.0	583.2	143.6
80°	1227.3	1327.4	2807.2	6454.3	10532.3	10545.4	4295.6	779.0	578.8	478.7	87.0
82.5°	243.7	269.8	861.7	2511.2	4922.3	4857.1	1357.9	417.8	435.2	391.7	60.9
85°	30.5	39.2	182.8	853.0	1592.9	1427.5	335.1	208.9	322.1	304.7	39.2
87.5°	4.4	4.4	43.5	195.8	335.1	326.4	69.6	65.3	143.6	187.1	21.8
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°	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4
2.5°	4452.3	4469.7	4530.6	4582.9	4643.8	4661.2	4635.1	4678.6	4617.7	4652.5	4661.2
5°	4461.0	4561.1	4674.3	4748.2	4730.8	4687.3	4652.5	4535.0	4452.3	4421.8	4487.1
7.5°	4521.9	4635.1	4756.9	4756.9	4661.2	4434.9	4217.3	4008.4	3834.3	3747.2	3821.2
10°	4600.3	4717.8	4844.0	4678.6	4321.7	3908.3	3599.3	3207.6	2942.1	2802.8	2815.9
12.5°	4704.7	4870.1	4913.6	4530.6	3938.7	3325.1	2763.6	2219.6	1967.2	1767.0	1771.3
15°	4839.6	5000.7	4870.1	4208.6	3451.3	2546.0	1871.4	1353.5	1153.3	1048.9	1048.9
17.5°	5018.1	5139.9	4857.1	3912.6	2794.1	1740.9	1149.0	914.0	870.4	853.0	853.0
20°	5227.0	5318.4	4730.8	3451.3	2076.0	1118.5	844.3	818.2	822.6	813.9	813.9
22.5°	5462.0	5492.5	4587.2	2916.0	1405.8	826.9	787.7	792.1	796.5	787.7	792.1
25°	5710.1	5627.4	4378.3	2289.3	935.7	752.9	761.6	770.3	774.7	779.0	779.0
27.5°	5988.6	5823.2	4086.7	1675.6	731.2	709.4	735.5	761.6	766.0	766.0	761.6
30°	6397.7	6123.5	3803.8	1135.9	644.1	661.5	705.1	735.5	757.3	757.3	752.9
32.5°	6915.6	6436.9	3407.8	774.7	596.3	605.0	639.8	700.7	748.6	752.9	739.9
35°	7633.8	6815.5	2994.3	618.0	561.4	565.8	587.5	635.4	718.1	744.2	739.9
37.5°	8391.0	7246.4	2480.8	557.1	535.3	531.0	544.0	583.2	657.2	722.5	726.8
40°	9196.2	7699.0	1941.1	526.6	513.6	504.9	509.2	526.6	583.2	665.9	683.3
42.5°	9953.5	8108.1	1458.0	496.2	491.8	483.1	483.1	487.4	517.9	574.5	583.2
45°	10771.7	8443.3	1109.8	474.4	461.3	465.7	448.3	439.6	461.3	465.7	461.3
47.5°	11537.7	8778.4	887.8	448.3	435.2	435.2	413.5	396.0	396.0	356.9	352.5
50°	12255.8	8961.2	709.4	413.5	409.1	404.8	374.3	343.8	317.7	269.8	261.1
52.5°	12852.0	8952.5	548.4	369.9	383.0	369.9	322.1	278.5	239.4	195.8	187.1
55°	13030.5	8534.7	413.5	304.7	326.4	309.0	256.8	217.6	174.1	139.3	134.9
57.5°	12878.1	7899.2	313.4	235.0	252.4	235.0	195.8	161.0	121.9	95.7	87.0
60°	12368.9	7155.0	243.7	182.8	191.5	178.4	148.0	121.9	87.0	60.9	52.2
62.5°	11402.8	6223.6	187.1	143.6	139.3	139.3	113.2	91.4	60.9	34.8	30.5
65°	9357.2	4852.7	143.6	100.1	100.1	100.1	87.0	65.3	39.2	17.4	8.7
67.5°	5875.5	2824.6	117.5	78.3	74.0	74.0	60.9	43.5	21.8	4.4	0.0
70°	2210.9	1035.8	91.4	60.9	56.6	56.6	43.5	26.1	13.1	0.0	0.0
72°	761.6	396.0	74.0	43.5	43.5	39.2	30.5	21.8	8.7	0.0	0.0
72.5°	626.7	317.7	69.6	43.5	39.2	39.2	30.5	21.8	8.7	0.0	0.0
75°	226.3	130.6	47.9	30.5	26.1	26.1	21.8	13.1	4.4	0.0	0.0
77.5°	113.2	82.7	39.2	26.1	21.8	13.1	13.1	8.7	4.4	0.0	0.0
80°	69.6	52.2	21.8	17.4	13.1	8.7	4.4	4.4	0.0	0.0	0.0
82.5°	47.9	30.5	13.1	13.1	8.7	4.4	0.0	0.0	0.0	0.0	0.0
85°	30.5	13.1	8.7	8.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.1	8.7	4.4	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)