

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: P322560

Luminaire Tested: **GAN-SA6B-740-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24272 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

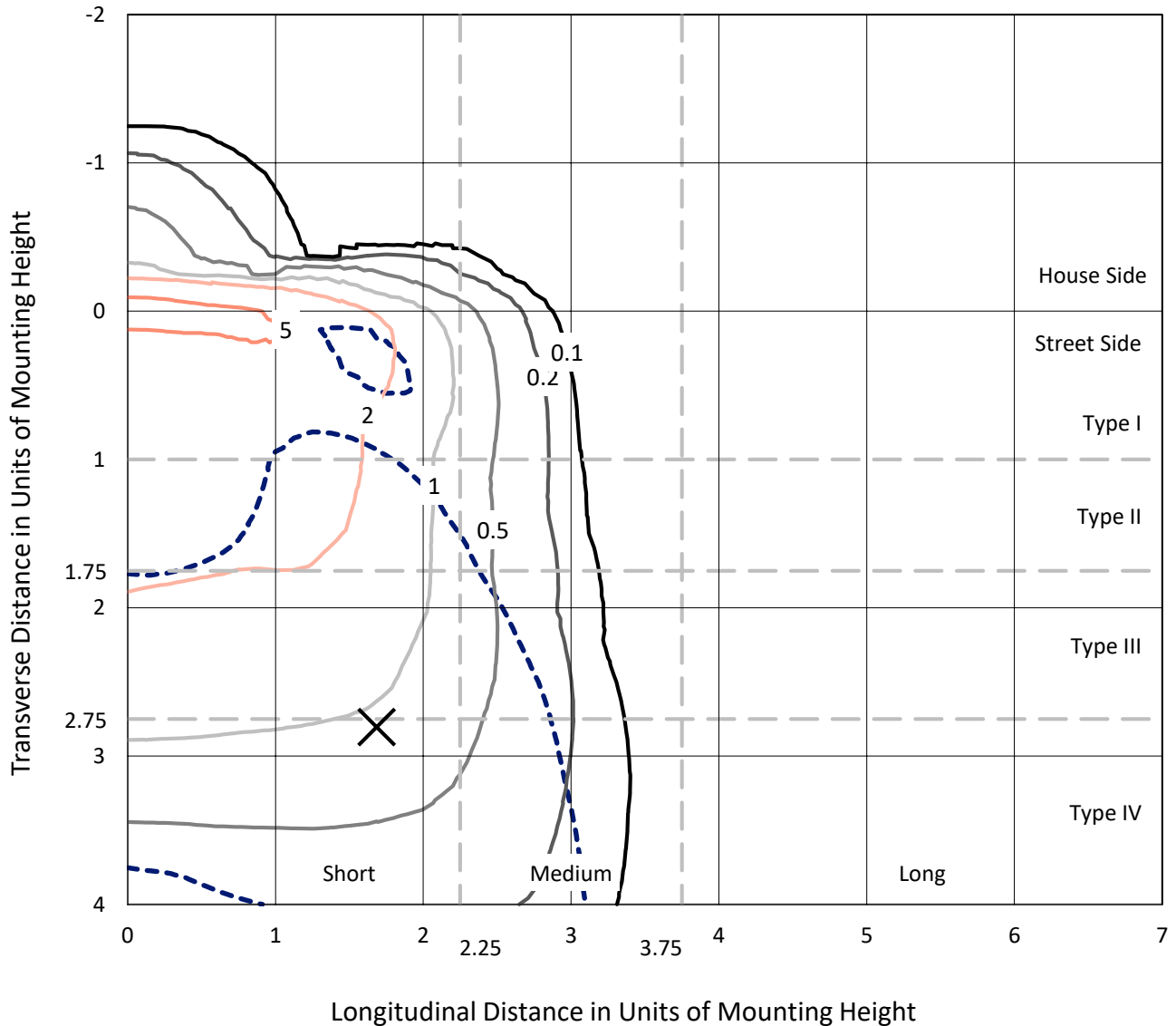
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

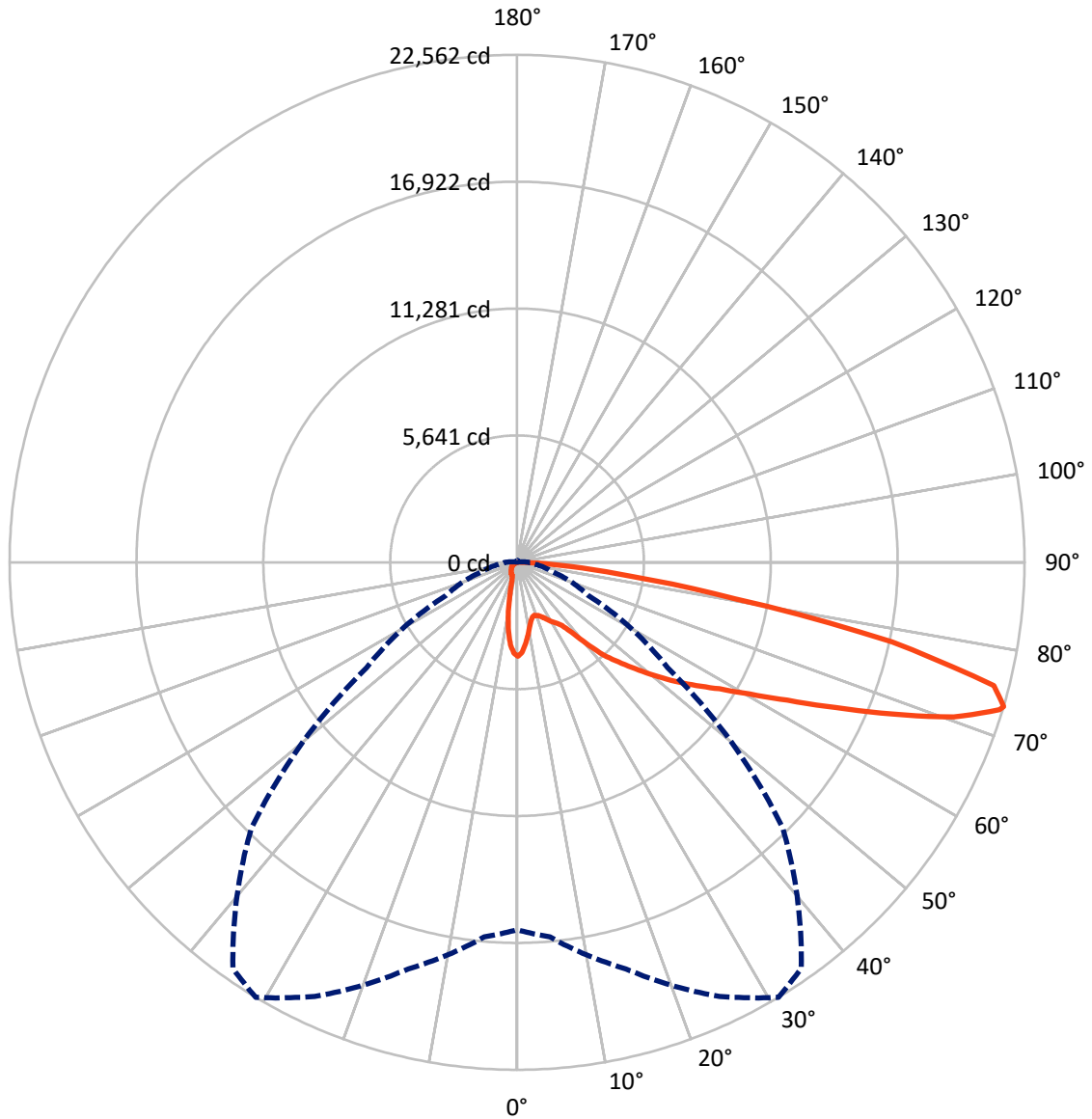
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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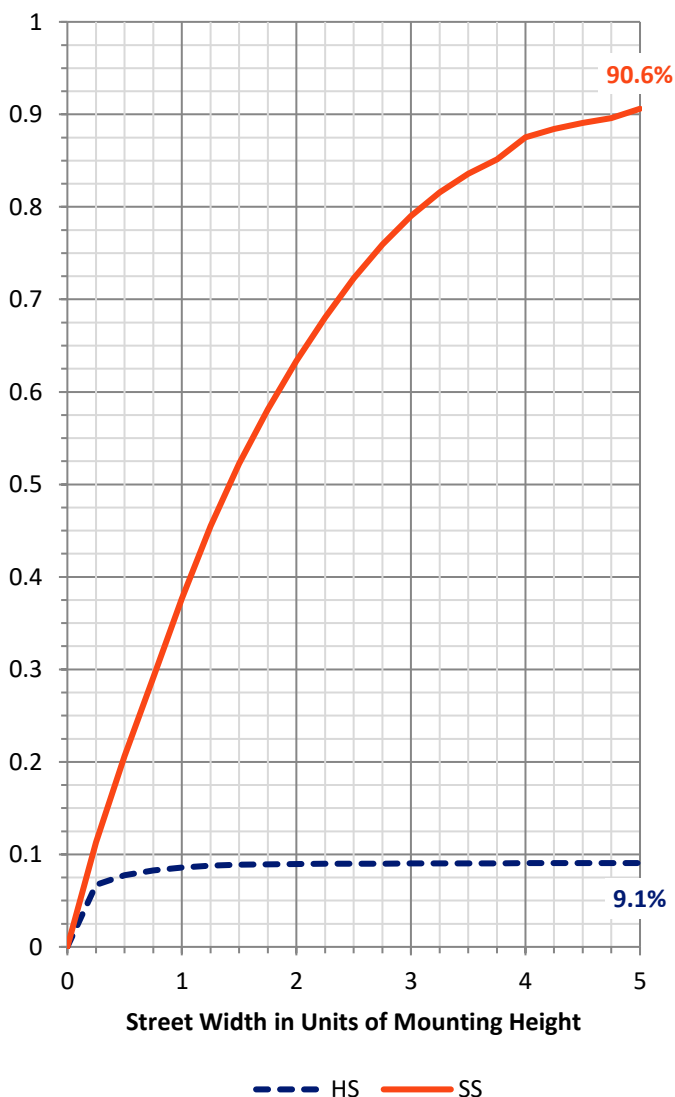
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2212.5	0.0	2212.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	22059.5	0.0	22059.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	24272.0	0.0	24272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.2	1.4
10°-20°	751.8	3.1
20°-30°	1126.4	4.6
30°-40°	1792.2	7.4
40°-50°	3200.3	13.2
50°-60°	4966.0	20.5
60°-70°	6601.6	27.2
70°-80°	4965.7	20.5
80°-90°	521.8	2.1
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°	24272.0	100.0
0°-180°	24272.0	100.0

Coefficient of Utilization



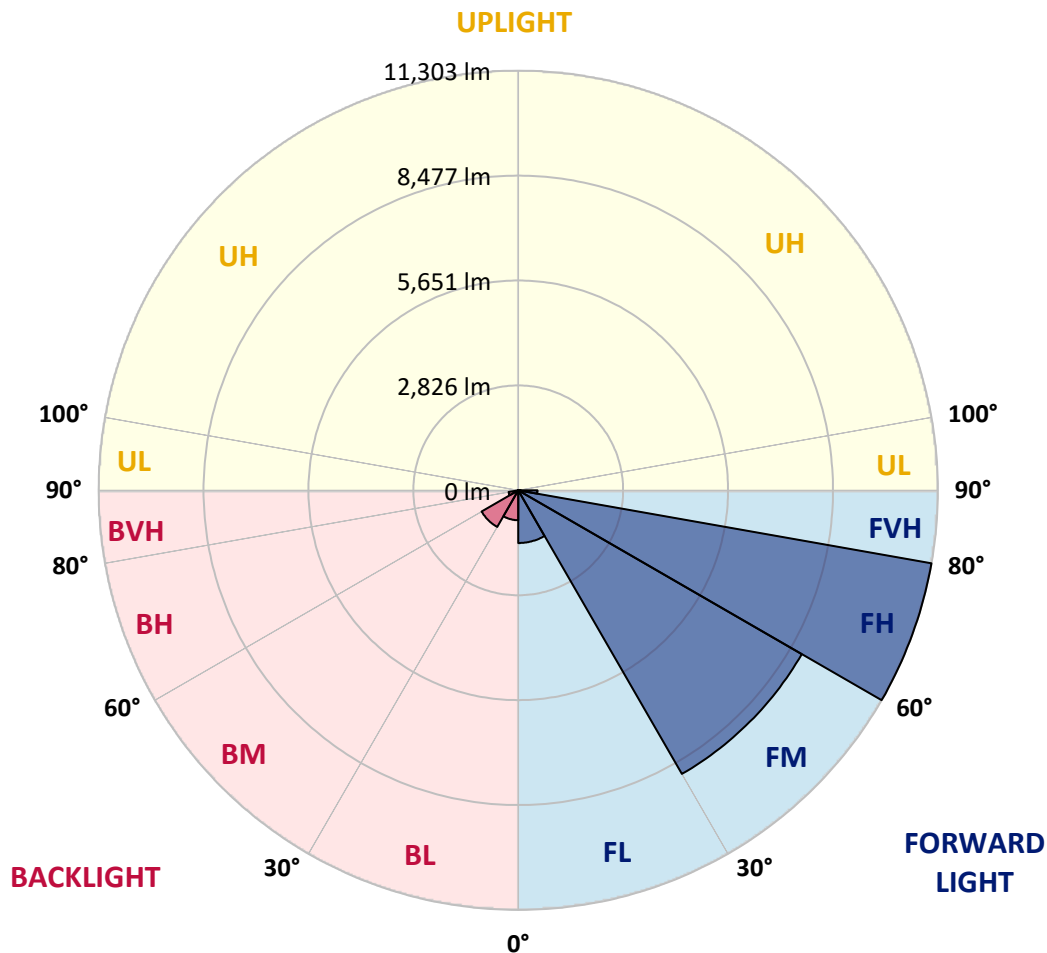
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1419.9	5.9			
FM (30°-60°)	8819.6	36.3			
FH (60°-80°)	11302.6	46.6			G4/12000
FVH (80°-90°)	517.4	2.1			G4/750
BL (0°-30°)	804.6	3.3	B2/1000		
BM (30°-60°)	1138.8	4.7	B2/2500		
BH (60°-80°)	264.7	1.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0
2.5°	3957.5	3974.1	3991.9	3995.5	4025.2	4026.4	4069.2	4101.2	4133.3	4164.2	4174.9
5°	3551.3	3578.6	3610.7	3642.8	3705.7	3730.6	3835.2	3942.1	4044.2	4141.6	4189.1
7.5°	3117.8	3148.7	3193.8	3273.4	3343.5	3392.1	3557.2	3747.3	3937.3	4116.7	4220.0
10°	2722.3	2750.8	2798.3	2882.6	2990.7	3057.2	3279.3	3543.0	3822.1	4094.1	4266.3
12.5°	2470.5	2485.9	2512.0	2602.3	2699.7	2774.5	3035.8	3362.5	3727.1	4092.9	4341.1
15°	2424.2	2428.9	2407.5	2447.9	2523.9	2596.4	2861.2	3216.4	3654.6	4111.9	4438.5
17.5°	2497.8	2495.4	2424.2	2419.4	2480.0	2539.4	2775.7	3115.4	3603.6	4155.9	4564.4
20°	2609.4	2601.1	2477.6	2455.0	2519.2	2575.0	2769.8	3077.4	3584.6	4229.5	4717.7
22.5°	2757.9	2743.6	2550.0	2526.3	2595.2	2653.4	2843.4	3114.2	3601.2	4328.1	4895.8
25°	2942.0	2920.6	2674.8	2648.6	2718.7	2776.9	2975.3	3219.9	3651.1	4448.0	5121.5
27.5°	3149.9	3119.0	2874.3	2806.6	2886.2	2946.8	3151.0	3381.5	3729.5	4575.1	5398.2
30°	3345.8	3305.4	3084.5	2972.9	3070.3	3138.0	3341.1	3573.9	3855.4	4771.1	5777.1
32.5°	3543.0	3497.9	3272.2	3139.2	3227.1	3300.7	3537.1	3838.7	4091.7	5070.4	6280.7
35°	3996.7	3949.2	3672.5	3452.7	3451.5	3493.1	3811.4	4201.0	4404.1	5487.3	6881.7
37.5°	4760.4	4733.1	4469.4	4052.5	3940.9	3894.6	4185.5	4633.3	4853.1	6061.0	7559.9
40°	5596.6	5572.8	5277.1	4899.4	4729.5	4615.5	4722.4	5235.5	5487.3	6761.7	8252.3
42.5°	6540.8	6428.0	5900.6	5787.8	5635.8	5549.1	5452.9	5977.8	6266.4	7524.2	8938.8
45°	7398.4	7208.3	6524.2	6353.2	6318.7	6340.1	6393.5	6975.5	7143.0	8430.5	9623.0
47.5°	7909.1	7759.4	7234.4	7070.5	7061.0	7202.4	7606.2	8102.7	8016.0	9220.3	10225.1
50°	8394.9	8259.5	7823.6	7863.9	7907.9	8100.3	8982.8	9261.9	8812.9	9936.5	10777.4
52.5°	8788.0	8581.3	8353.3	8580.1	8796.3	9106.3	10403.3	10302.3	9378.3	10506.6	11250.1
55°	9014.8	8921.0	9031.5	9259.5	9665.7	10169.3	11744.2	11168.2	9791.6	11026.9	11564.9
57.5°	9846.3	9662.2	9881.9	10079.0	10608.8	11313.1	12892.8	11813.1	10089.7	11348.7	11637.3
60°	10852.3	10703.8	10833.3	11161.1	11876.1	12703.9	13966.5	12339.3	10245.3	11555.4	11449.7
62.5°	12453.3	12257.3	12176.6	12543.6	13491.4	14395.2	14781.3	12703.9	10210.9	11463.9	10805.9
65°	14598.3	14395.2	14034.2	14366.7	15572.3	16210.1	15692.2	12781.1	9973.3	10724.0	9178.8
67.5°	16795.6	16648.4	16339.6	16900.2	17988.1	18193.6	16655.5	12593.5	9208.4	8695.3	6485.0
70°	18247.0	18184.1	18384.8	19624.8	20595.2	20535.8	17539.2	11585.1	7177.4	5347.1	3208.1
72.5°	17200.7	17502.3	18984.6	21233.0	22418.3	21933.8	17085.4	8896.1	4102.4	2057.1	927.6
73°	16333.6	16719.6	18715.0	21293.6	22562.1	22031.1	16704.2	8165.6	3496.7	1623.6	703.1
75°	11363.0	11836.9	15493.9	19831.5	21889.8	20990.7	13923.7	4998.0	1620.1	719.8	283.9
77.5°	5517.0	5867.4	8531.4	14328.7	17023.7	16400.1	8668.0	1862.4	731.6	450.1	130.6
80°	2059.5	2289.9	3703.3	7292.6	9837.9	10095.7	3812.6	704.3	487.0	362.3	66.5
82.5°	539.2	601.0	1365.9	3252.0	5041.9	5277.1	1202.0	355.1	356.3	298.1	40.4
85°	172.2	197.2	426.4	1459.7	2375.5	2085.6	313.6	172.2	258.9	222.1	22.6
87.5°	21.4	27.3	135.4	343.3	523.8	291.0	48.7	51.1	110.5	123.5	13.1
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°	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0	4176.0
2.5°	4185.5	4179.6	4180.8	4149.9	4129.7	4089.3	4047.8	4028.8	4008.6	4000.3	4008.6
5°	4206.9	4196.2	4165.4	4070.3	3969.4	3838.7	3716.4	3623.8	3507.4	3475.3	3508.5
7.5°	4240.2	4218.8	4128.5	3934.9	3710.5	3461.0	3180.7	2976.4	2809.0	2700.9	2740.1
10°	4288.9	4248.5	4066.8	3737.8	3336.3	2894.5	2496.6	2186.6	1966.9	1876.6	1873.0
12.5°	4370.8	4294.8	3990.8	3481.2	2879.0	2289.9	1768.5	1432.4	1254.2	1139.0	1136.7
15°	4461.1	4349.5	3894.6	3173.6	2346.9	1640.3	1139.0	883.7	768.5	731.6	726.9
17.5°	4571.6	4412.4	3769.8	2794.7	1789.9	1086.8	743.5	669.9	665.1	661.6	661.6
20°	4710.5	4487.2	3609.5	2361.2	1269.7	725.7	631.9	636.6	639.0	634.2	635.4
22.5°	4872.1	4563.2	3418.3	1895.6	858.7	606.9	604.6	610.5	612.9	610.5	611.7
25°	5059.7	4651.1	3185.5	1407.5	620.0	576.0	582.0	590.3	596.2	596.2	596.2
27.5°	5292.5	4758.0	2905.2	982.3	535.7	544.0	560.6	576.0	584.4	586.7	586.7
30°	5595.4	4891.1	2569.1	673.4	487.0	501.2	532.1	561.8	577.2	579.6	580.8
32.5°	5977.8	5040.7	2179.5	497.7	445.4	456.1	489.3	539.2	568.9	573.7	573.7
35°	6416.1	5214.1	1760.2	433.5	415.7	419.3	445.4	502.4	554.7	567.7	568.9
37.5°	6895.9	5385.2	1338.6	405.0	390.8	390.8	409.8	458.5	520.2	560.6	565.4
40°	7343.7	5488.5	938.3	382.4	368.2	368.2	384.8	420.5	478.7	539.2	552.3
42.5°	7757.0	5524.1	653.2	361.1	346.8	350.4	364.6	393.1	437.1	497.7	509.5
45°	8182.2	5518.2	476.3	336.1	325.4	336.1	346.8	368.2	400.3	434.7	437.1
47.5°	8502.9	5468.3	377.7	312.4	305.2	319.5	329.0	343.3	361.1	358.7	358.7
50°	8803.4	5347.1	304.1	280.3	285.1	301.7	306.4	311.2	312.4	289.8	287.4
52.5°	9031.5	5158.3	243.5	245.9	264.9	281.5	276.7	269.6	257.7	230.4	225.7
55°	9107.5	4794.9	191.2	203.1	235.2	256.5	238.7	223.3	200.7	178.2	173.4
57.5°	8969.7	4325.7	155.6	158.0	198.4	216.2	196.0	178.2	153.2	134.2	130.6
60°	8677.5	3804.3	128.3	118.8	153.2	168.7	155.6	137.8	115.2	101.0	99.8
62.5°	8097.9	3248.4	105.7	92.6	116.4	129.5	121.1	108.1	89.1	79.6	78.4
65°	6879.3	2598.7	85.5	74.8	90.3	101.0	93.8	84.3	70.1	62.9	61.8
67.5°	4802.0	1756.6	70.1	61.8	71.3	79.6	73.6	68.9	55.8	54.6	55.8
70°	2316.1	846.8	58.2	49.9	55.8	61.8	59.4	55.8	53.4	61.8	71.3
72.5°	663.9	283.9	46.3	41.6	45.1	48.7	51.1	49.9	58.2	74.8	86.7
73°	510.7	229.2	43.9	39.2	42.8	47.5	49.9	48.7	59.4	76.0	86.7
75°	218.5	110.5	33.3	32.1	35.6	41.6	43.9	43.9	59.4	77.2	83.1
77.5°	98.6	59.4	21.4	24.9	30.9	33.3	36.8	36.8	47.5	59.4	59.4
80°	55.8	32.1	16.6	19.0	22.6	22.6	22.6	20.2	21.4	23.8	26.1
82.5°	35.6	21.4	13.1	15.4	14.3	11.9	9.5	9.5	8.3	9.5	11.9
85°	20.2	11.9	11.9	9.5	5.9	4.8	5.9	4.8	1.2	0.0	1.2
87.5°	11.9	7.1	3.6	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)