

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: P322530

Luminaire Tested: **GAN-SA6C-730-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322530
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-SA6C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA 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: 27358 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

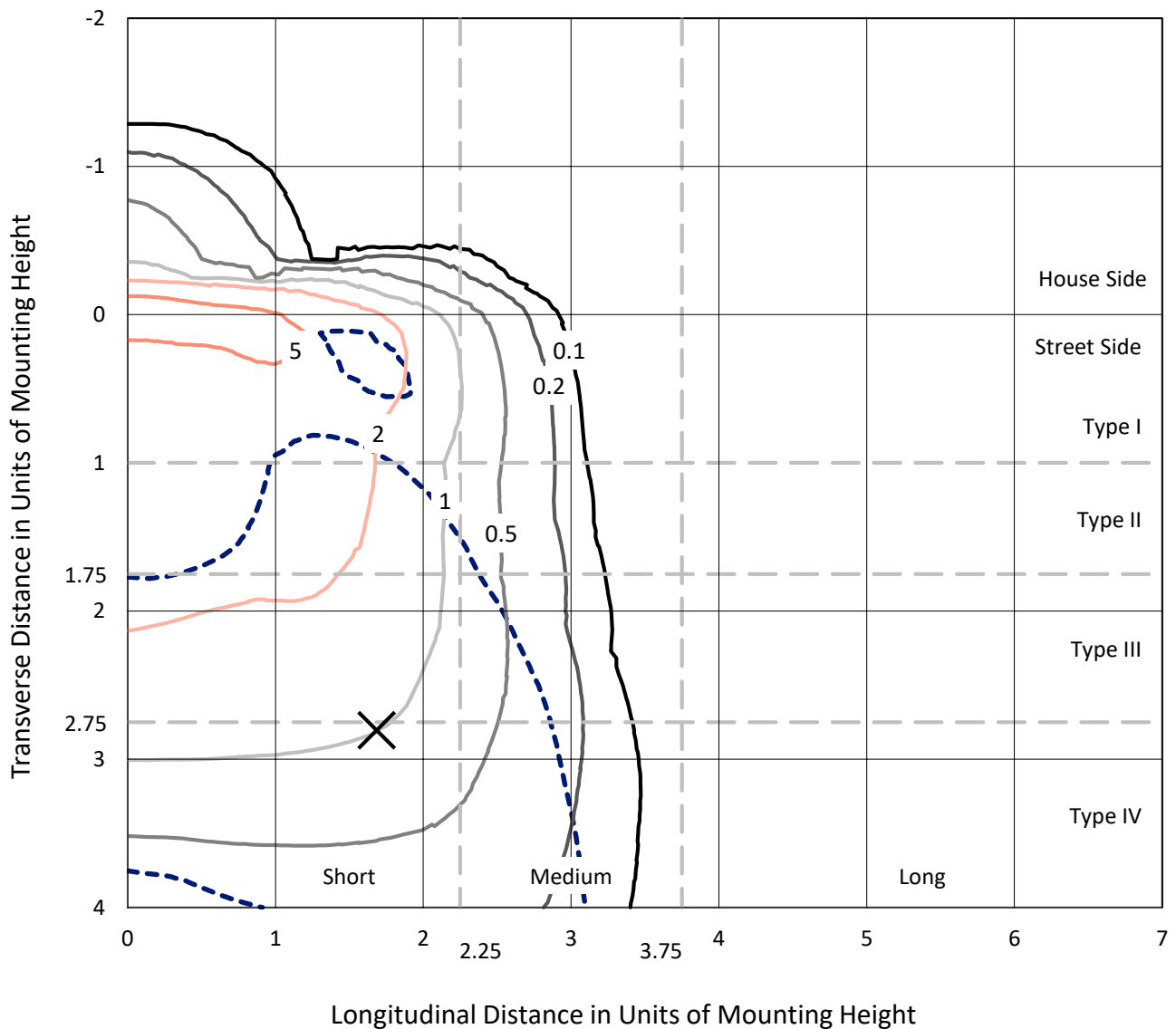
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

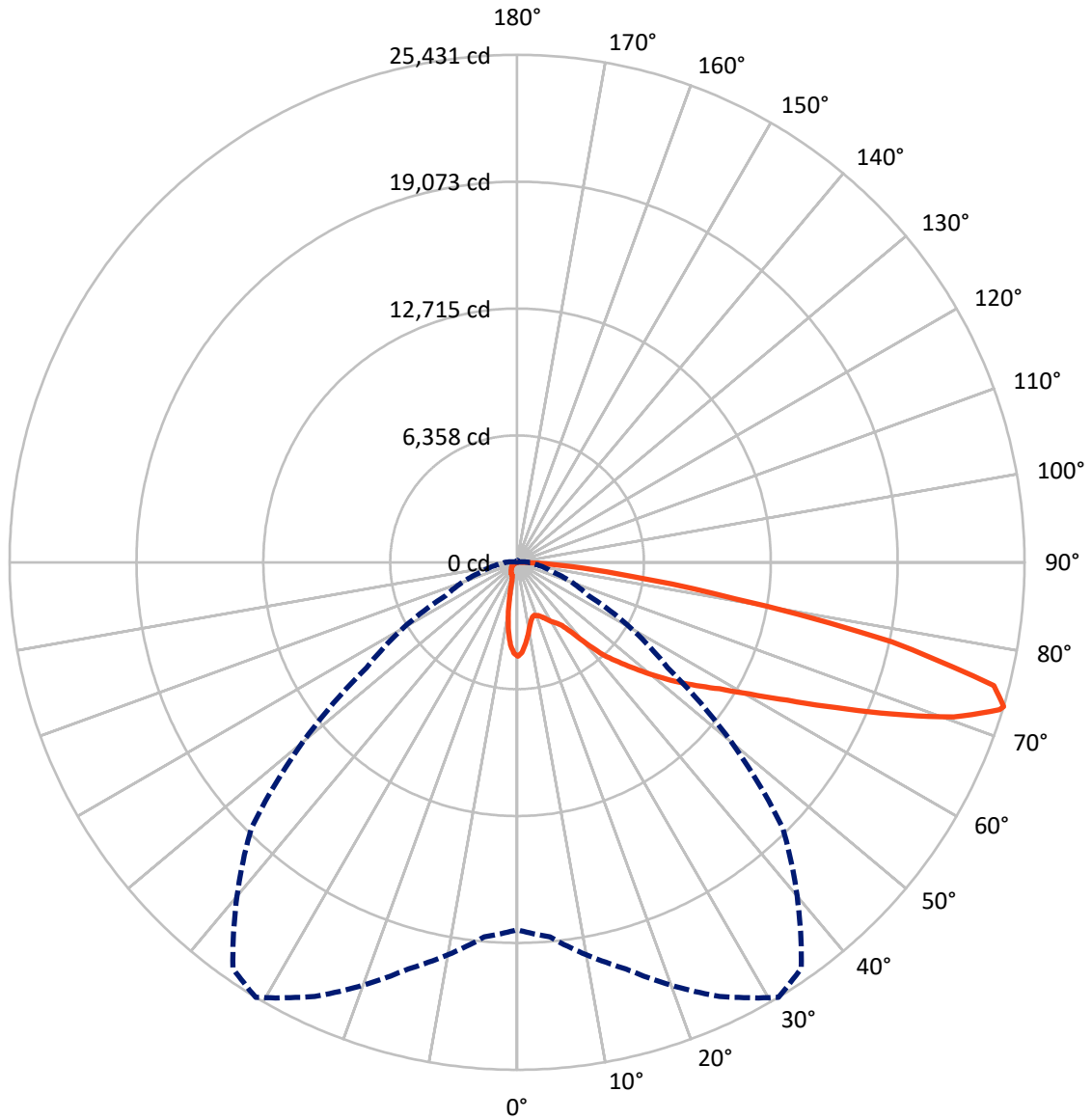
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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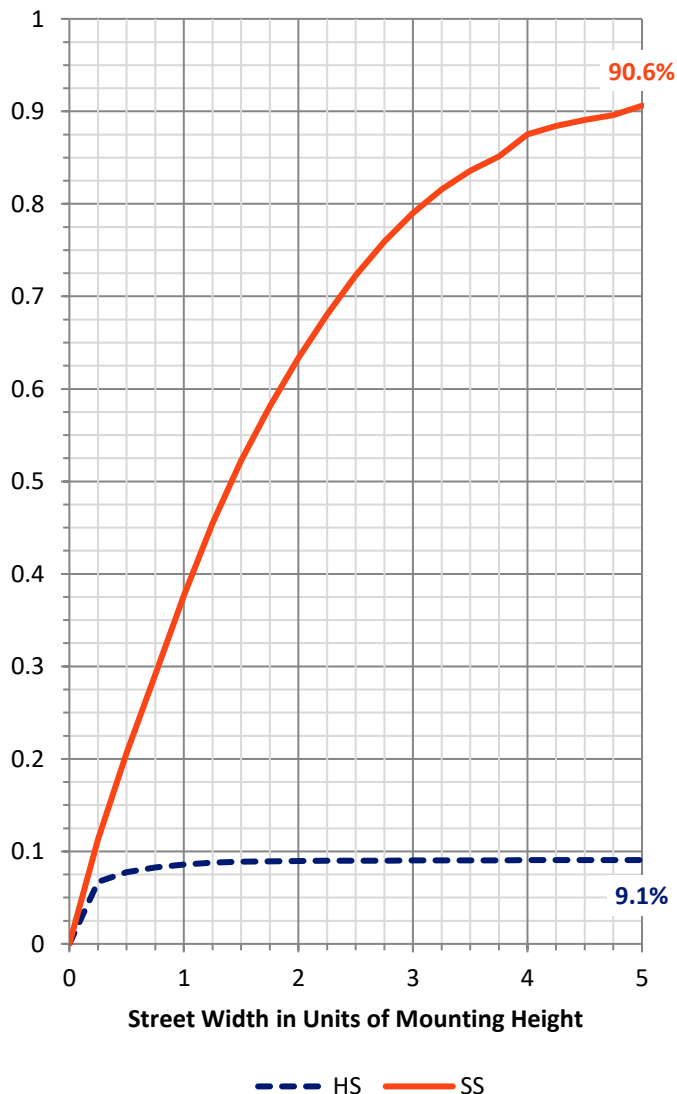
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2493.8	0.0	2493.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	24864.2	0.0	24864.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	27358.0	0.0	27358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.3	1.4
10°-20°	847.4	3.1
20°-30°	1269.7	4.6
30°-40°	2020.0	7.4
40°-50°	3607.2	13.2
50°-60°	5597.3	20.5
60°-70°	7440.9	27.2
70°-80°	5597.1	20.5
80°-90°	588.1	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°	27358.0	100.0
0°-180°	27358.0	100.0

Coefficient of Utilization



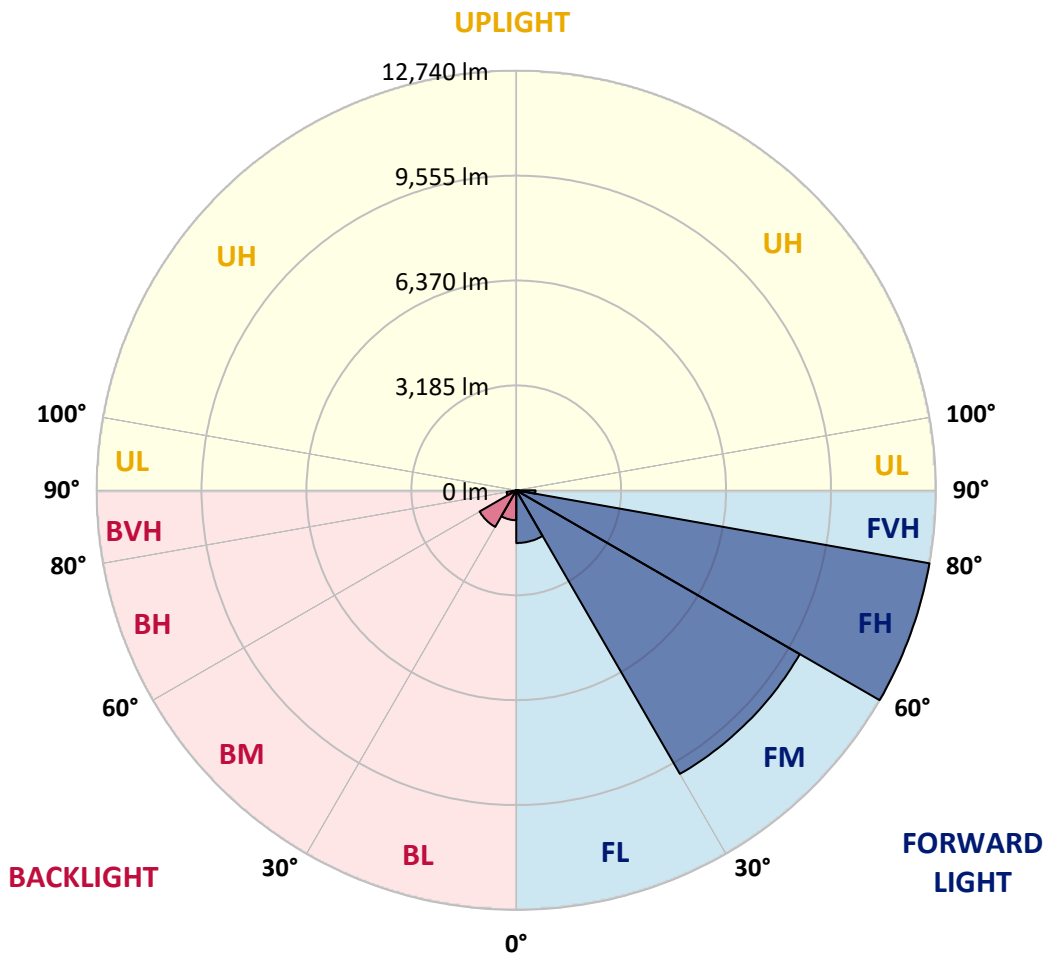
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1600.5	5.9			
FM (30°-60°)	9940.9	36.3			
FH (60°-80°)	12739.6	46.6			G5
FVH (80°-90°)	583.2	2.1			G4/750
BL (0°-30°)	906.8	3.3	B2/1000		
BM (30°-60°)	1283.6	4.7	B2/2500		
BH (60°-80°)	298.4	1.1	B1/500		G1/500
BVH (80°-90°)	4.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0
2.5°	4460.7	4479.4	4499.5	4503.5	4537.0	4538.3	4586.5	4622.7	4658.8	4693.6	4705.7
5°	4002.8	4033.6	4069.8	4105.9	4176.9	4205.0	4322.8	4443.3	4558.4	4668.2	4721.7
7.5°	3514.2	3549.0	3599.9	3689.6	3768.5	3823.4	4009.5	4223.7	4437.9	4640.1	4756.5
10°	3068.4	3100.5	3154.1	3249.1	3370.9	3445.9	3696.3	3993.5	4308.1	4614.6	4808.7
12.5°	2784.6	2802.0	2831.4	2933.2	3042.9	3127.3	3421.8	3790.0	4201.0	4613.3	4893.1
15°	2732.4	2737.7	2713.6	2759.1	2844.8	2926.5	3225.0	3625.3	4119.3	4634.7	5002.9
17.5°	2815.4	2812.7	2732.4	2727.0	2795.3	2862.2	3128.6	3511.5	4061.7	4684.2	5144.8
20°	2941.2	2931.8	2792.6	2767.2	2839.5	2902.4	3121.9	3468.7	4040.3	4767.2	5317.5
22.5°	3108.5	3092.5	2874.3	2847.5	2925.1	2990.7	3204.9	3510.2	4059.1	4878.4	5518.3
25°	3316.1	3292.0	3014.8	2985.4	3064.4	3130.0	3353.5	3629.3	4115.3	5013.6	5772.6
27.5°	3550.3	3515.5	3239.7	3163.4	3253.1	3321.4	3551.7	3811.4	4203.6	5156.8	6084.6
30°	3771.2	3725.7	3476.7	3350.9	3460.6	3536.9	3765.9	4028.3	4345.5	5377.7	6511.6
32.5°	3993.5	3942.6	3688.2	3538.3	3637.3	3720.4	3986.8	4326.8	4611.9	5715.1	7079.2
35°	4504.9	4451.3	4139.4	3891.7	3890.4	3937.2	4296.0	4735.1	4964.0	6185.0	7756.6
37.5°	5365.7	5334.9	5037.7	4567.8	4441.9	4389.7	4717.7	5222.4	5470.1	6831.6	8521.1
40°	6308.1	6281.4	5948.0	5522.3	5330.9	5202.3	5322.8	5901.2	6185.0	7621.4	9301.5
42.5°	7372.4	7245.2	6650.8	6523.7	6352.3	6254.6	6146.1	6737.9	7063.2	8480.9	10075.3
45°	8339.0	8124.8	7353.7	7160.9	7122.1	7146.2	7206.4	7862.4	8051.2	9502.4	10846.4
47.5°	8914.7	8746.0	8154.2	7969.5	7958.8	8118.1	8573.3	9132.9	9035.1	10392.6	11525.2
50°	9462.2	9309.6	8818.3	8863.8	8913.3	9130.2	10124.9	10439.5	9933.4	11199.9	12147.7
52.5°	9905.3	9672.4	9415.3	9671.0	9914.7	10264.1	11726.0	11612.2	10570.7	11842.5	12680.5
55°	10161.0	10055.3	10179.8	10436.8	10894.6	11462.3	13237.4	12588.1	11036.5	12428.8	13035.3
57.5°	11098.1	10890.6	11138.3	11360.5	11957.6	12751.5	14532.0	13315.1	11372.6	12791.6	13116.9
60°	12232.0	12064.7	12210.6	12580.1	13386.0	14319.1	15742.2	13908.1	11547.9	13024.6	12905.4
62.5°	14036.7	13815.8	13724.7	14138.4	15206.7	16225.5	16660.6	14319.1	11509.1	12921.5	12179.8
65°	16454.4	16225.5	15818.5	16193.4	17552.2	18271.1	17687.4	14406.2	11241.4	12087.5	10345.8
67.5°	18931.1	18765.1	18417.0	19048.9	20275.2	20506.8	18773.1	14194.6	10379.2	9800.9	7309.5
70°	20567.0	20496.1	20722.3	22120.0	23213.7	23146.8	19769.1	13058.0	8090.0	6027.0	3615.9
72.5°	19387.6	19727.6	21398.4	23932.6	25268.7	24722.5	19257.7	10027.1	4624.0	2318.7	1045.6
73°	18410.3	18845.4	21094.5	24000.9	25430.7	24832.2	18828.0	9203.8	3941.2	1830.1	792.5
75°	12807.7	13341.9	17463.8	22352.9	24672.9	23659.5	15694.0	5633.4	1826.0	811.3	320.0
77.5°	6218.4	6613.4	9616.1	16150.5	19188.1	18485.3	9770.1	2099.1	824.7	507.4	147.3
80°	2321.4	2581.1	4174.2	8219.8	11088.8	11379.3	4297.3	793.9	548.9	408.3	75.0
82.5°	607.8	677.4	1539.5	3665.5	5682.9	5948.0	1354.8	400.3	401.6	336.0	45.5
85°	194.1	222.2	480.6	1645.3	2677.5	2350.8	353.4	194.1	291.8	250.3	25.4
87.5°	24.1	30.8	152.6	386.9	590.4	328.0	54.9	57.6	124.5	139.2	14.7
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°	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0	4707.0
2.5°	4717.7	4711.0	4712.4	4677.5	4654.8	4609.3	4562.4	4541.0	4518.2	4508.9	4518.2
5°	4741.8	4729.8	4695.0	4587.9	4474.1	4326.8	4188.9	4084.5	3953.3	3917.1	3954.6
7.5°	4779.3	4755.2	4653.5	4435.2	4182.2	3901.1	3585.1	3354.9	3166.1	3044.3	3088.5
10°	4834.2	4788.7	4583.8	4213.0	3760.5	3262.5	2814.0	2464.6	2216.9	2115.2	2111.2
12.5°	4926.6	4840.9	4498.2	3923.8	3245.1	2581.1	1993.4	1614.5	1413.7	1283.8	1281.2
15°	5028.3	4902.5	4389.7	3577.1	2645.3	1848.8	1283.8	996.0	866.2	824.7	819.3
17.5°	5152.8	4973.4	4249.2	3150.0	2017.5	1224.9	838.0	755.0	749.7	745.7	745.7
20°	5309.4	5057.7	4068.4	2661.4	1431.1	818.0	712.2	717.6	720.2	714.9	716.2
22.5°	5491.5	5143.4	3852.9	2136.6	967.9	684.1	681.4	688.1	690.8	688.1	689.4
25°	5703.0	5242.5	3590.5	1586.4	698.8	649.3	656.0	665.4	672.0	672.0	672.0
27.5°	5965.4	5363.0	3274.6	1107.1	603.8	613.1	631.9	649.3	658.7	661.3	661.3
30°	6306.8	5512.9	2895.7	759.1	548.9	564.9	599.8	633.2	650.6	653.3	654.6
32.5°	6737.9	5681.6	2456.6	560.9	502.0	514.1	551.6	607.8	641.3	646.6	646.6
35°	7231.9	5877.1	1984.0	488.6	468.6	472.6	502.0	566.3	625.2	639.9	641.3
37.5°	7772.7	6069.8	1508.8	456.5	440.4	440.4	461.9	516.8	586.4	631.9	637.2
40°	8277.4	6186.3	1057.6	431.1	415.0	415.0	433.8	473.9	539.5	607.8	622.5
42.5°	8743.3	6226.5	736.3	407.0	390.9	394.9	411.0	443.1	492.7	560.9	574.3
45°	9222.6	6219.8	536.8	378.9	366.8	378.9	390.9	415.0	451.2	490.0	492.7
47.5°	9584.0	6163.5	425.7	352.1	344.1	360.1	370.8	386.9	407.0	404.3	404.3
50°	9922.7	6027.0	342.7	315.9	321.3	340.0	345.4	350.7	352.1	326.7	324.0
52.5°	10179.8	5814.1	274.4	277.1	298.5	317.3	311.9	303.9	290.5	259.7	254.4
55°	10265.4	5404.5	215.5	228.9	265.1	289.2	269.1	251.7	226.2	200.8	195.5
57.5°	10110.1	4875.7	175.4	178.1	223.6	243.7	220.9	200.8	172.7	151.3	147.3
60°	9780.8	4288.0	144.6	133.9	172.7	190.1	175.4	155.3	129.9	113.8	112.5
62.5°	9127.5	3661.4	119.1	104.4	131.2	145.9	136.6	121.8	100.4	89.7	88.4
65°	7754.0	2929.2	96.4	84.3	101.7	113.8	105.8	95.1	79.0	71.0	69.6
67.5°	5412.5	1980.0	79.0	69.6	80.3	89.7	83.0	77.6	62.9	61.6	62.9
70°	2610.5	954.5	65.6	56.2	62.9	69.6	66.9	62.9	60.2	69.6	80.3
72.5°	748.4	320.0	52.2	46.9	50.9	54.9	57.6	56.2	65.6	84.3	97.7
73°	575.7	258.4	49.5	44.2	48.2	53.5	56.2	54.9	66.9	85.7	97.7
75°	246.3	124.5	37.5	36.1	40.2	46.9	49.5	49.5	66.9	87.0	93.7
77.5°	111.1	66.9	24.1	28.1	34.8	37.5	41.5	41.5	53.5	66.9	66.9
80°	62.9	36.1	18.7	21.4	25.4	25.4	25.4	22.8	24.1	26.8	29.5
82.5°	40.2	24.1	14.7	17.4	16.1	13.4	10.7	10.7	9.4	10.7	13.4
85°	22.8	13.4	13.4	10.7	6.7	5.4	6.7	5.4	1.3	0.0	1.3
87.5°	13.4	8.0	4.0	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)