

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: P323167

Luminaire Tested: **GAN-SA3C-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16289 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

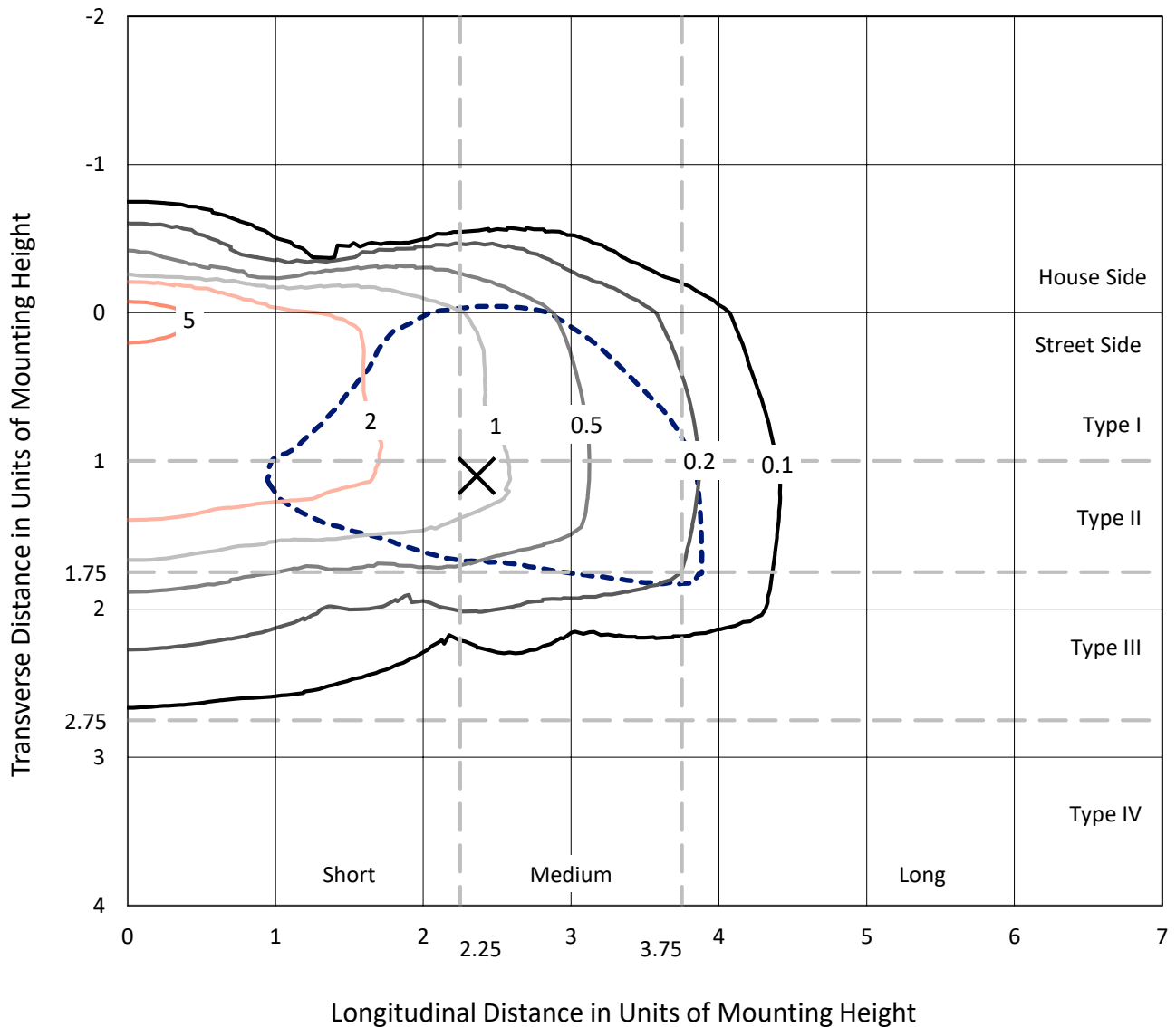
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

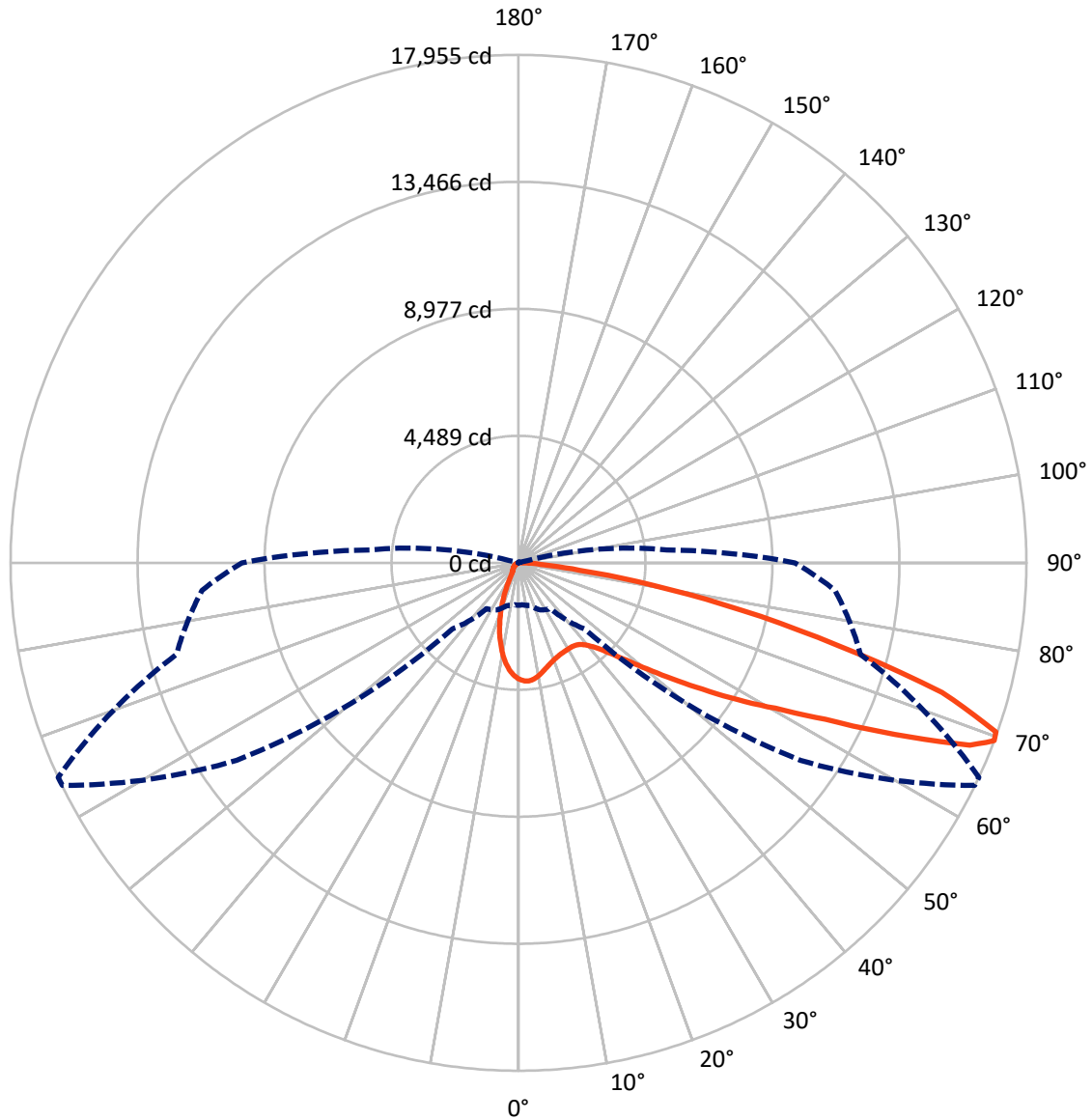
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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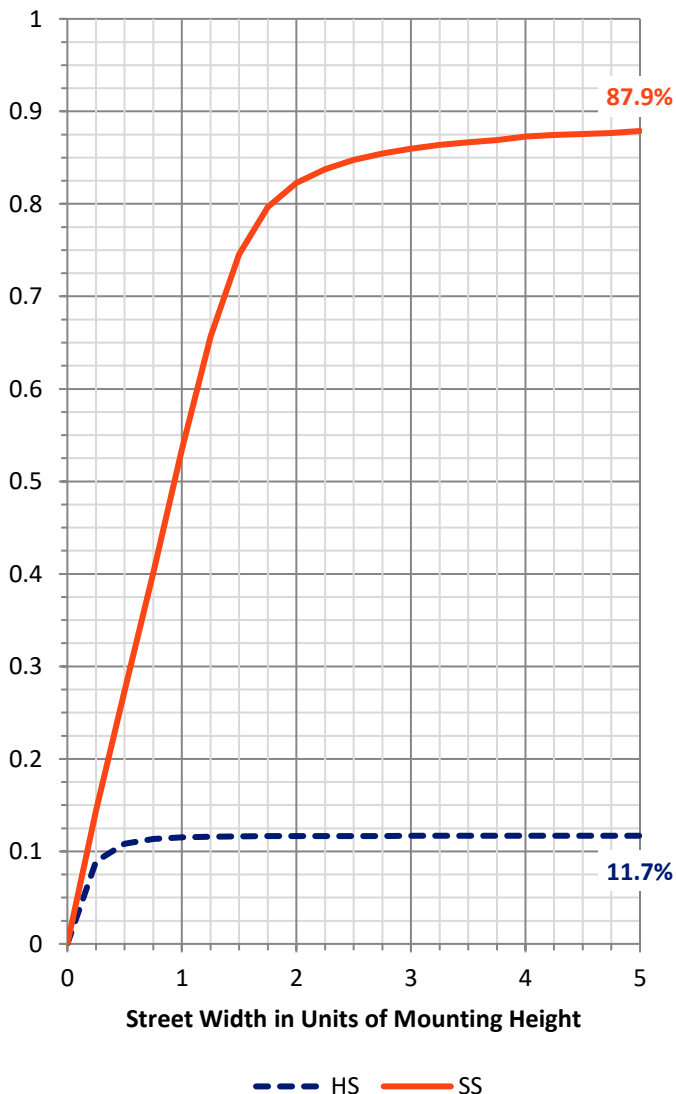
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1920.1	0.0	1920.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	14368.9	0.0	14368.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	16289.0	0.0	16289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.2	2.1
10°-20°	753.5	4.6
20°-30°	1043.6	6.4
30°-40°	1455.1	8.9
40°-50°	2261.7	13.9
50°-60°	3630.9	22.3
60°-70°	4107.2	25.2
70°-80°	2412.2	14.8
80°-90°	280.6	1.7
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°	16289.0	100.0
0°-180°	16289.0	100.0

Coefficient of Utilization

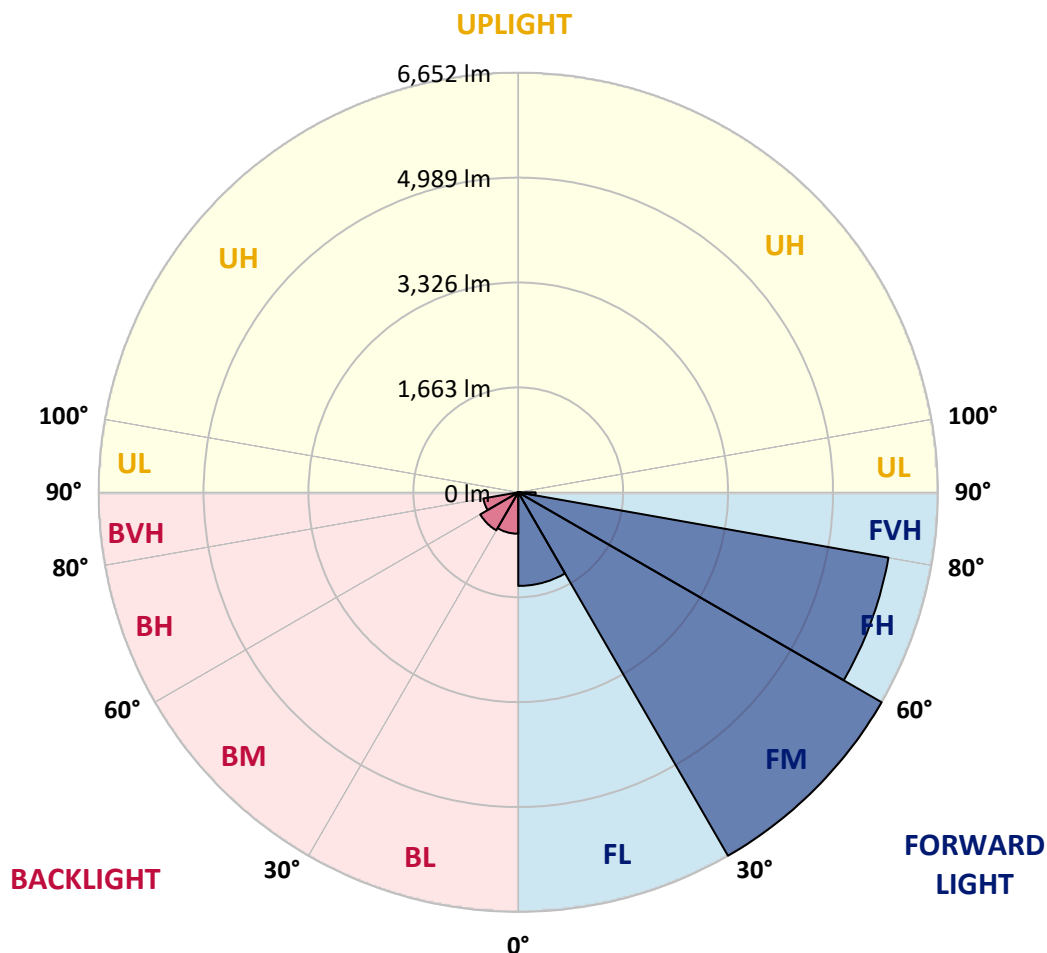


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1484.3	9.1			
FM (30°-60°)	6652.0	40.8			
FH (60°-80°)	5958.4	36.6			G3/7500
FVH (80°-90°)	274.3	1.7			G3/500
BL (0°-30°)	657.0	4.0	B2/1000		
BM (30°-60°)	695.8	4.3	B1/1000		
BH (60°-80°)	561.0	3.4	B2/1000		G2/1000
BVH (80°-90°)	6.3	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3
2.5°	4152.8	4142.5	4150.7	4168.6	4177.6	4177.6	4184.5	4176.2	4179.0	4159.0	4130.0
5°	3892.9	3877.1	3899.8	3950.1	4012.2	4065.3	4143.8	4185.2	4189.3	4190.0	4156.2
7.5°	3613.1	3598.6	3632.4	3691.7	3771.6	3870.2	4007.4	4127.3	4134.2	4199.0	4174.2
10°	3385.6	3375.3	3414.6	3478.0	3571.7	3682.0	3850.2	4017.0	4037.0	4180.4	4171.4
12.5°	3205.1	3196.8	3234.0	3307.1	3402.9	3524.9	3700.6	3894.3	3921.2	4138.3	4157.6
15°	3073.4	3072.0	3103.0	3173.4	3279.5	3393.2	3573.1	3780.6	3811.6	4092.8	4155.5
17.5°	3004.5	3006.6	3029.3	3089.3	3180.2	3293.3	3465.6	3684.8	3718.6	4052.2	4165.9
20°	2997.6	2999.7	3012.1	3045.8	3119.6	3219.5	3378.1	3604.1	3639.3	4021.8	4182.4
22.5°	3058.2	3056.9	3060.3	3056.9	3098.2	3174.0	3320.2	3542.1	3582.8	4001.8	4195.5
25°	3174.7	3172.7	3171.3	3145.8	3118.2	3158.9	3296.0	3507.0	3545.6	3987.4	4203.1
27.5°	3336.7	3335.3	3333.3	3291.2	3208.5	3183.0	3298.8	3493.9	3526.3	3975.6	4201.7
30°	3549.7	3559.3	3556.6	3498.0	3369.1	3256.8	3327.7	3487.0	3515.2	3952.9	4187.3
32.5°	3799.9	3819.2	3834.4	3771.6	3610.3	3402.9	3394.6	3494.5	3515.2	3935.7	4161.1
35°	4059.7	4084.6	4140.4	4118.3	3906.0	3622.7	3509.7	3540.0	3557.3	3945.3	4148.7
37.5°	4315.5	4345.1	4466.4	4530.5	4293.4	3913.6	3688.9	3652.4	3661.3	4003.9	4162.4
40°	4612.5	4657.3	4841.4	4944.7	4755.9	4303.0	3957.0	3845.4	3848.8	4132.8	4226.5
42.5°	5002.6	5048.8	5248.0	5410.0	5277.0	4795.2	4321.0	4140.4	4136.9	4374.0	4377.5
45°	5478.2	5526.5	5732.6	5912.5	5852.5	5378.3	4786.9	4571.2	4567.0	4754.5	4663.5
47.5°	6017.2	6064.8	6248.8	6434.2	6499.0	6059.3	5380.4	5159.1	5149.5	5283.2	5105.3
50°	6479.7	6510.7	6680.3	6929.8	7222.1	6896.0	6118.6	5905.6	5895.2	5985.5	5753.9
52.5°	6647.9	6665.8	6838.1	7187.6	7916.8	8029.2	7088.3	6814.0	6806.4	6845.7	6617.6
55°	6307.4	6339.8	6551.4	7069.7	8293.2	9309.8	8312.5	7938.9	7881.7	7796.9	7520.5
57.5°	5379.7	5431.4	5658.8	6348.1	8117.4	10325.8	10111.4	9211.3	9127.2	8608.9	8254.6
60°	4030.8	4094.2	4283.1	5026.8	7179.3	10687.7	12077.2	10629.1	10439.5	9255.4	8929.4
62.5°	2766.0	2797.7	2925.9	3410.5	5287.3	10094.9	13721.8	12528.0	12182.0	9958.4	9659.3
65°	2112.6	2123.6	2176.0	2342.8	3148.5	8200.1	14375.9	15033.4	14615.1	10799.3	10416.8
67.5°	1702.5	1693.5	1765.9	2004.4	2108.4	5002.6	13612.9	17403.8	17208.1	11923.5	11179.1
69°	1501.2	1488.8	1562.6	1839.6	1980.2	3307.1	12169.6	17942.1	17954.5	12517.0	11231.5
70°	1350.9	1359.2	1432.3	1741.8	1936.8	2595.8	10791.0	17805.0	17902.8	12738.9	10917.2
72.5°	902.2	924.3	1071.1	1446.1	1862.4	1964.4	6515.6	15278.8	15655.2	12239.2	9366.3
75°	508.7	525.2	699.6	1090.4	1754.9	1870.7	3441.5	11256.3	11620.2	10234.8	7222.8
77.5°	249.5	258.5	395.6	703.7	1467.4	1782.4	1952.0	7646.0	8061.6	6680.3	4085.2
80°	105.5	110.3	197.8	434.2	1049.1	1701.1	1449.5	4705.6	4757.3	2617.1	1088.3
82.5°	40.7	42.0	83.4	270.9	666.5	1326.1	1212.4	2231.1	2177.4	492.8	248.1
85°	4.8	5.5	30.3	162.7	370.8	682.4	985.0	961.5	889.8	97.9	127.5
87.5°	0.0	0.0	2.1	49.6	110.3	319.8	512.1	399.1	359.8	31.7	66.2
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°	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3	4116.3
2.5°	4105.9	4099.0	4061.8	4008.0	3957.0	3893.6	3833.0	3796.4	3767.5	3748.2	3770.9
5°	4116.9	4086.6	3973.6	3828.8	3686.9	3526.9	3378.1	3251.9	3202.3	3147.2	3172.0
7.5°	4113.5	4056.3	3853.0	3595.2	3334.6	3065.1	2810.1	2613.7	2511.7	2411.7	2437.2
10°	4096.3	3999.8	3691.7	3309.8	2919.7	2532.3	2170.5	1895.5	1741.8	1602.5	1622.5
12.5°	4058.4	3924.0	3501.4	2983.1	2461.3	1950.6	1526.7	1174.5	985.6	902.2	912.6
15°	4035.6	3850.2	3300.2	2652.3	1972.0	1358.5	933.3	694.1	607.9	580.4	583.8
17.5°	4024.6	3779.2	3092.0	2273.9	1471.6	865.0	603.1	532.1	513.5	508.7	510.1
20°	4013.6	3707.5	2877.7	1899.6	1013.9	581.7	495.6	474.9	468.0	461.8	463.2
22.5°	3994.9	3638.6	2647.4	1520.5	683.7	472.1	446.6	426.7	412.2	404.6	406.0
25°	3972.2	3566.2	2412.4	1132.5	499.0	421.1	397.0	368.8	351.5	337.7	338.4
27.5°	3935.7	3477.3	2169.8	824.4	419.1	377.0	344.6	313.6	284.7	268.8	268.8
30°	3884.7	3376.7	1900.3	590.0	375.6	333.6	294.3	255.7	224.7	210.2	208.8
32.5°	3828.1	3271.9	1628.0	447.3	341.2	292.9	248.1	207.5	179.9	168.2	167.5
35°	3779.9	3158.9	1356.5	375.0	306.7	253.6	204.7	170.2	148.2	138.5	137.9
37.5°	3748.9	3045.8	1091.8	335.0	275.7	217.1	171.6	140.6	124.8	117.2	116.5
40°	3744.1	2961.7	849.9	304.7	246.8	184.7	143.4	119.2	104.8	96.5	95.8
42.5°	3806.8	2913.5	652.0	279.2	217.1	156.5	122.0	102.0	86.8	78.6	77.9
45°	3971.5	2928.7	501.8	256.4	187.5	132.3	103.4	84.8	71.0	64.8	63.4
47.5°	4272.0	3033.4	399.1	233.7	159.2	112.3	88.2	70.3	58.6	52.4	51.7
50°	4806.9	3279.5	333.6	208.8	133.0	95.8	73.1	57.2	47.6	42.0	41.4
52.5°	5516.8	3717.9	297.8	184.7	110.3	81.3	60.0	45.5	37.2	33.1	32.4
55°	6299.8	4248.6	274.3	158.5	90.3	67.5	47.6	35.8	28.9	25.5	24.1
57.5°	7064.2	4708.3	252.3	133.0	75.1	55.1	37.9	28.3	22.7	19.3	18.6
60°	7766.6	5130.8	226.8	106.8	61.3	43.4	29.6	22.1	17.9	14.5	14.5
62.5°	8518.6	5457.6	191.6	83.4	50.3	33.1	24.1	20.0	14.5	12.4	11.7
65°	9315.3	5700.2	150.3	64.8	39.3	24.8	20.0	20.7	11.7	9.0	8.3
67.5°	9904.0	5651.9	111.0	51.0	30.3	19.3	19.3	22.1	10.3	6.9	6.2
69°	9774.4	5259.7	93.1	44.1	26.2	16.5	17.9	22.1	9.6	6.2	5.5
70°	9398.7	4825.5	82.0	39.3	23.4	15.2	17.2	21.4	9.0	6.2	5.5
72.5°	7827.2	3634.5	64.1	29.6	18.6	12.4	14.5	18.6	9.0	6.2	4.8
75°	5887.7	2326.3	48.9	21.4	13.8	9.6	11.0	13.8	9.0	5.5	4.8
77.5°	3203.7	838.8	35.2	14.5	9.6	7.6	7.6	10.3	8.3	4.1	2.8
80°	823.7	210.9	22.1	9.6	7.6	5.5	4.8	6.9	4.8	0.7	0.0
82.5°	203.3	47.6	11.7	6.9	5.5	2.1	2.1	3.4	2.1	0.0	0.0
85°	111.7	23.4	7.6	4.8	2.8	0.0	0.0	0.7	0.0	0.0	0.0
87.5°	57.2	6.9	2.1	1.4	0.7	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)