

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: P322210

Luminaire Tested: **GAN-SA6C-730-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28074 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

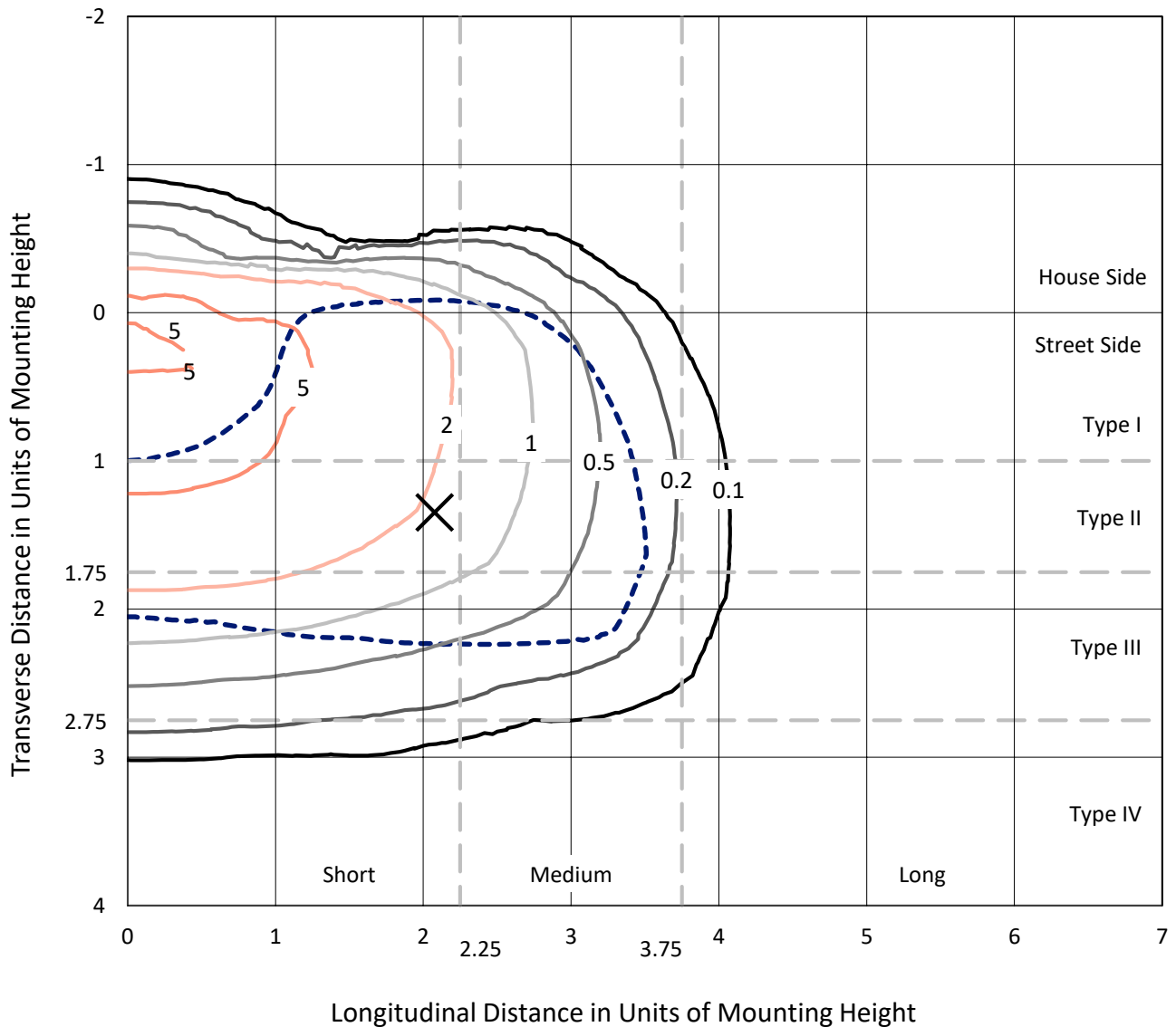
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

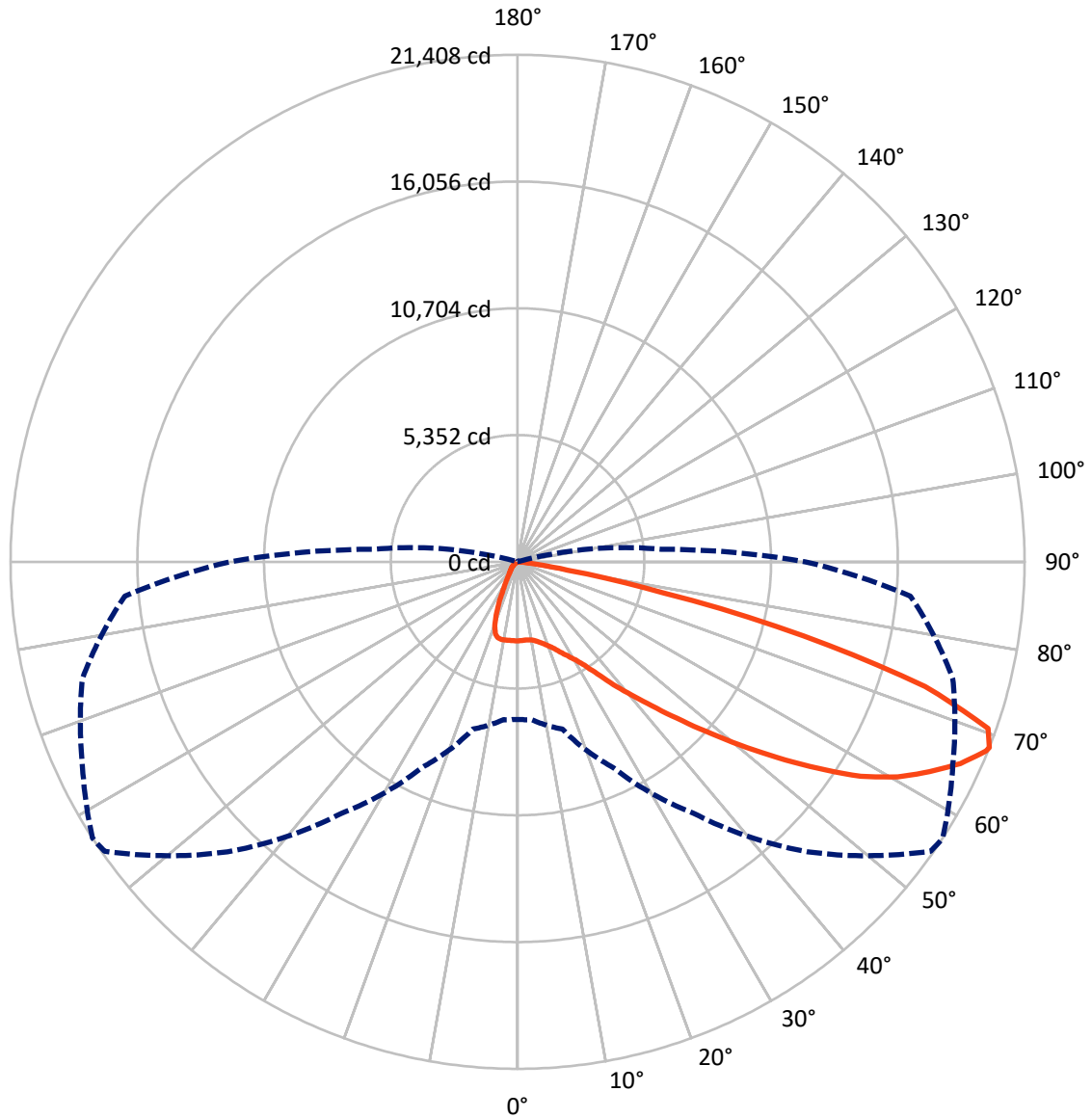
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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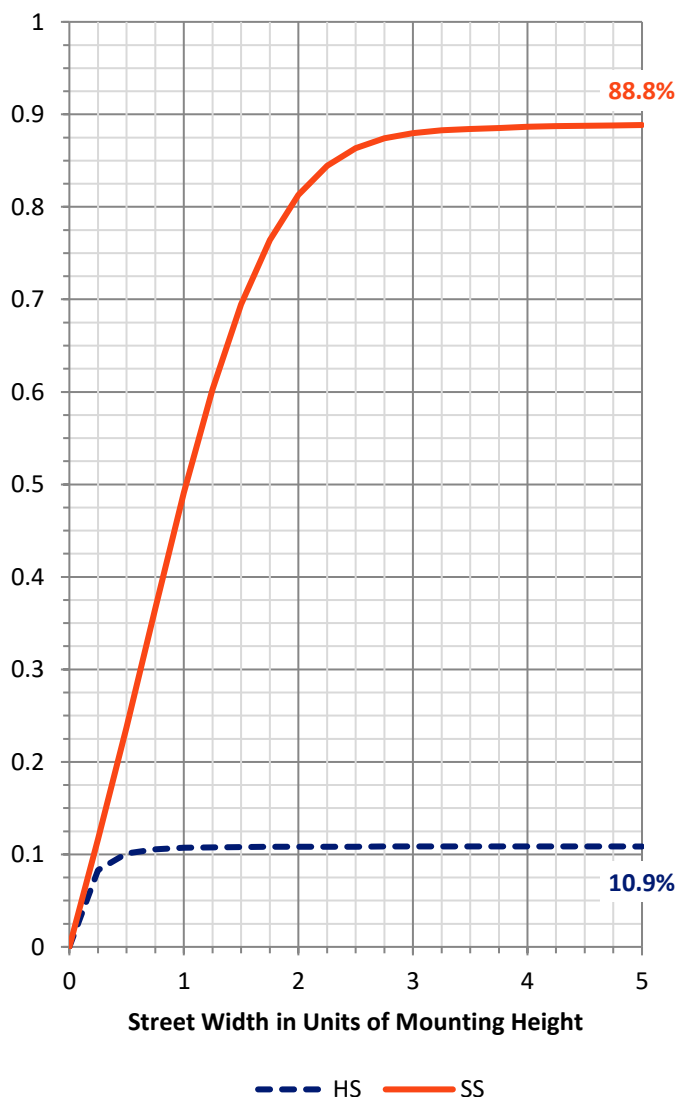
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3078.5	0.0	3078.5
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	24995.5	0.0	24995.5
	% Fixture	89.0	0.0	89.0
Total	Lumens	28074.0	0.0	28074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.2	1.1
10°-20°	865.1	3.1
20°-30°	1492.4	5.3
30°-40°	2575.8	9.2
40°-50°	4406.0	15.7
50°-60°	7049.2	25.1
60°-70°	8144.5	29.0
70°-80°	3112.1	11.1
80°-90°	116.7	0.4
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°	28074.0	100.0
0°-180°	28074.0	100.0

Coefficient of Utilization

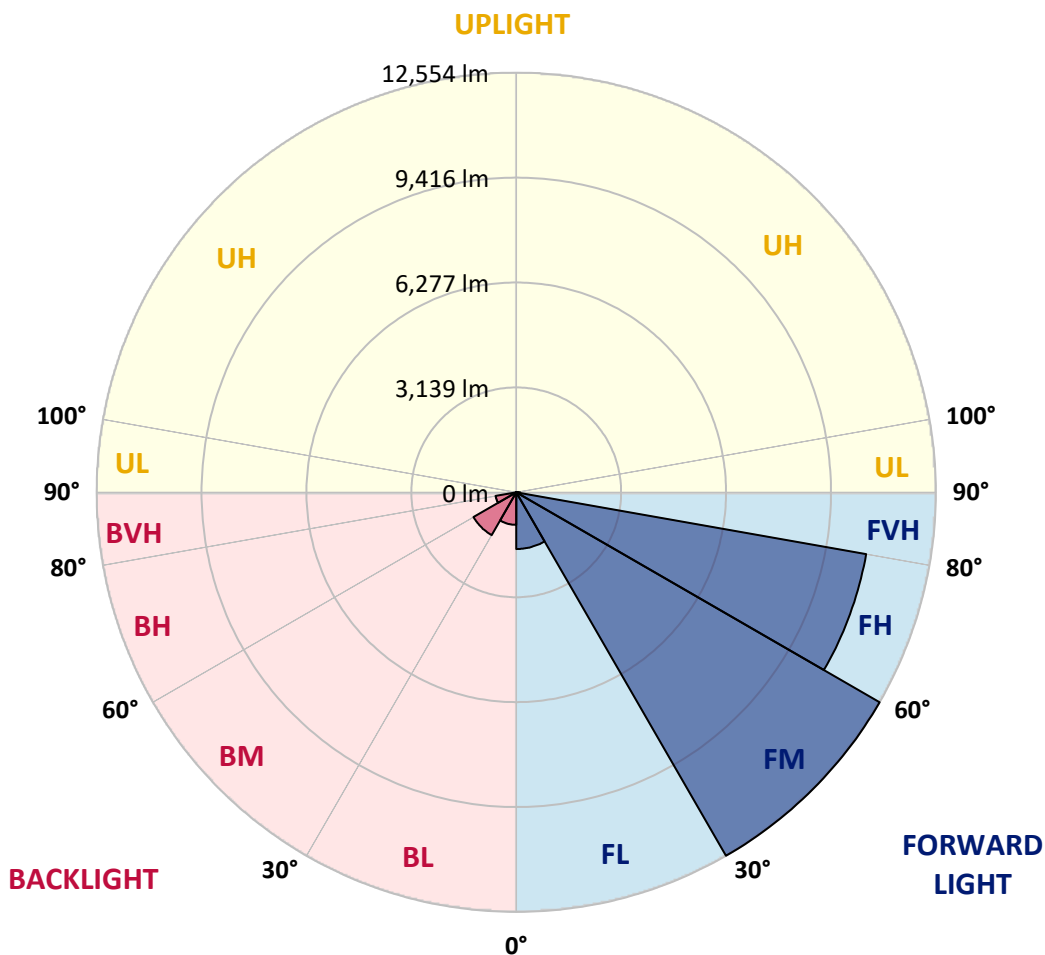


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1696.8	6.0			
FM (30°-60°)	12554.5	44.7			
FH (60°-80°)	10629.7	37.9			G4/12000
FVH (80°-90°)	114.5	0.4			G2/225
BL (0°-30°)	972.9	3.5	B2/1000		
BM (30°-60°)	1476.5	5.3	B2/2500		
BH (60°-80°)	627.0	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.1	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9
2.5°	3257.6	3272.2	3282.8	3289.5	3297.4	3314.7	3320.0	3328.0	3331.9	3331.9	3341.2
5°	3128.8	3144.8	3167.3	3185.9	3223.1	3270.9	3305.4	3318.7	3342.6	3363.8	3375.8
7.5°	3009.4	3028.0	3054.5	3098.3	3162.0	3239.0	3310.7	3329.3	3375.8	3420.9	3443.5
10°	2932.4	2947.0	2981.5	3043.9	3127.5	3235.0	3335.9	3358.5	3438.1	3513.8	3556.3
12.5°	2905.8	2919.1	2954.9	3025.3	3128.8	3255.0	3394.3	3427.5	3544.3	3654.5	3714.3
15°	2944.3	2947.0	2985.5	3051.9	3154.1	3304.1	3491.2	3531.1	3678.4	3821.8	3896.1
17.5°	3093.0	3081.1	3101.0	3130.2	3211.1	3369.1	3593.5	3653.2	3849.7	4018.3	4088.6
20°	3464.7	3464.7	3419.6	3339.9	3341.2	3470.0	3731.5	3799.2	4039.5	4234.6	4298.3
22.5°	4100.6	4088.6	3998.3	3803.2	3624.0	3643.9	3900.1	3987.7	4267.8	4476.2	4497.5
25°	4865.2	4850.6	4711.2	4436.4	4125.8	3925.3	4128.4	4229.3	4539.9	4724.5	4680.7
27.5°	5674.9	5663.0	5524.9	5183.8	4741.7	4374.0	4400.6	4496.1	4817.4	4999.3	4859.9
30°	6459.5	6463.4	6326.7	5976.3	5475.8	4946.2	4745.7	4801.5	5086.9	5271.4	5072.3
32.5°	7205.5	7210.8	7092.7	6701.1	6233.8	5611.2	5223.6	5209.0	5400.1	5582.0	5353.7
35°	7870.6	7883.8	7802.9	7498.9	7003.7	6351.9	5843.5	5809.0	5844.8	6050.6	5785.1
37.5°	8511.7	8519.7	8458.6	8202.4	7788.3	7165.7	6626.7	6577.6	6500.6	6658.6	6354.6
40°	9214.0	9194.1	9123.7	8891.4	8535.6	8064.4	7468.3	7383.4	7249.3	7390.0	7103.3
42.5°	9867.1	9844.5	9856.5	9593.6	9293.6	8988.3	8449.3	8303.3	8225.0	8387.0	8021.9
45°	10683.5	10671.5	10711.4	10483.0	10240.1	10018.4	9573.7	9414.4	9379.9	9569.7	9133.0
47.5°	11489.3	11518.5	11641.9	11545.0	11446.8	11251.6	10764.5	10692.8	10714.0	10943.7	10305.1
50°	12160.9	12195.5	12534.0	12645.5	12787.5	12673.4	12184.8	12141.0	12224.7	12431.8	11566.2
52.5°	12646.8	12717.2	13138.0	13651.7	14169.4	14246.4	13759.2	13719.4	13832.2	13864.1	12540.6
55°	12984.0	13046.4	13522.9	14462.8	15516.8	15848.7	15546.0	15392.0	15370.8	15056.2	13565.4
57.5°	13043.7	13037.1	13722.1	14987.1	16573.5	17429.7	17238.5	17087.2	16651.8	16158.0	14740.2
60°	12706.5	12745.0	13540.2	15169.0	17237.2	18625.7	18640.3	18443.9	17765.5	17229.2	15879.2
62.5°	11668.5	11825.1	12628.2	14692.4	17229.2	19107.6	19667.8	19517.8	18706.7	18106.7	17034.1
65°	9985.2	10041.0	10806.9	13059.6	16065.0	18905.8	20593.0	20537.3	19555.0	18958.9	17627.5
67.5°	7291.8	7171.0	7975.4	10283.9	13601.3	17729.7	21256.8	21327.1	20209.4	19134.1	16995.6
68°	6654.6	6690.4	7317.0	9597.6	12956.1	17314.2	21300.6	21408.1	20274.4	19020.0	16650.5
70°	3966.5	4035.5	4594.4	6608.1	9856.5	14963.2	20828.0	21073.6	19886.8	17842.5	14401.7
72.5°	1012.9	1095.2	1623.5	2957.6	5629.8	10542.8	17582.3	17997.8	17266.4	14474.7	9722.4
75°	416.8	438.1	580.1	974.4	2097.4	4749.7	11588.8	12478.2	11969.8	8665.7	4393.9
77.5°	288.1	302.7	373.0	540.3	908.0	1610.2	5681.6	6324.1	5697.5	2957.6	958.4
80°	207.1	219.0	266.8	359.7	521.7	574.8	1851.8	2141.2	1700.5	649.1	237.6
82.5°	123.5	132.7	199.1	256.2	317.3	274.8	460.6	523.0	492.5	322.6	106.2
85°	61.1	71.7	134.1	183.2	171.2	115.5	140.7	156.6	193.8	196.5	57.1
87.5°	4.0	8.0	78.3	110.2	47.8	26.5	41.2	50.4	69.0	96.9	23.9
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°	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9	3335.9
2.5°	3345.2	3346.6	3337.3	3333.3	3335.9	3320.0	3313.4	3316.0	3316.0	3320.0	3313.4
5°	3378.4	3378.4	3362.5	3341.2	3329.3	3298.8	3278.9	3273.5	3269.6	3266.9	3261.6
7.5°	3450.1	3442.1	3414.3	3367.8	3328.0	3261.6	3211.1	3184.6	3171.3	3166.0	3162.0
10°	3565.6	3551.0	3504.5	3418.2	3326.6	3208.5	3098.3	3020.0	2954.9	2928.4	2912.5
12.5°	3720.9	3699.7	3621.3	3478.0	3317.3	3099.6	2860.7	2631.0	2417.3	2329.7	2285.9
15°	3900.1	3869.6	3746.1	3528.4	3262.9	2854.1	2335.0	1932.8	1636.8	1525.3	1477.5
17.5°	4082.0	4042.1	3855.0	3560.3	3099.6	2345.6	1638.1	1237.2	1039.4	986.3	967.7
20°	4265.2	4206.8	3949.2	3536.4	2730.6	1691.2	1080.6	904.0	846.9	831.0	825.7
22.5°	4439.1	4348.8	4034.2	3443.5	2162.4	1135.0	854.9	799.1	780.6	771.3	768.6
25°	4590.4	4464.3	4108.5	3156.7	1530.6	857.5	769.9	751.3	727.5	710.2	711.5
27.5°	4732.4	4579.8	4153.7	2684.1	1020.8	732.8	712.9	687.6	643.8	618.6	618.6
30°	4903.7	4733.8	4186.8	2065.5	751.3	647.8	631.9	593.4	533.6	500.5	500.5
32.5°	5161.2	4967.4	4165.6	1449.6	622.6	569.5	532.3	479.2	414.2	382.3	381.0
35°	5555.5	5328.5	4014.3	950.5	549.6	495.1	435.4	370.4	313.3	286.7	285.4
37.5°	6086.4	5811.7	3674.4	679.7	492.5	426.1	354.4	282.8	240.3	223.0	221.7
40°	6775.4	6373.2	3188.6	550.9	439.4	359.7	273.5	219.0	189.8	176.6	177.9
42.5°	7602.4	6974.5	2605.8	475.2	387.6	296.0	213.7	172.6	154.0	144.7	142.0
45°	8521.0	7567.9	1995.2	423.5	335.8	238.9	167.3	136.7	122.1	116.8	116.8
47.5°	9531.2	8145.4	1460.2	378.3	280.1	184.5	134.1	111.5	99.6	95.6	94.3
50°	10448.5	8546.2	1052.7	330.5	229.7	146.0	108.9	92.9	85.0	79.6	79.6
52.5°	11213.1	8672.4	775.2	278.8	185.8	116.8	90.3	79.6	71.7	67.7	67.7
55°	11886.2	8620.6	576.1	229.7	150.0	95.6	77.0	67.7	61.1	57.1	57.1
57.5°	12531.3	8453.3	430.1	187.2	120.8	77.0	65.0	57.1	50.4	47.8	47.8
60°	13058.3	8174.6	319.9	151.3	96.9	62.4	54.4	46.5	41.2	37.2	37.2
62.5°	13485.8	7866.6	235.0	124.8	77.0	49.1	42.5	38.5	30.5	26.5	26.5
65°	13488.4	7355.5	176.6	103.5	59.7	38.5	31.9	30.5	19.9	15.9	14.6
67.5°	12512.7	6341.3	135.4	88.9	46.5	29.2	23.9	25.2	10.6	6.6	5.3
68°	12158.3	6083.8	127.4	87.6	43.8	27.9	22.6	25.2	9.3	5.3	4.0
70°	10250.7	4840.0	102.2	85.0	38.5	21.2	18.6	25.2	8.0	4.0	2.7
72.5°	6556.4	2808.9	75.7	67.7	29.2	15.9	11.9	22.6	8.0	2.7	1.3
75°	2790.3	870.8	51.8	47.8	17.3	11.9	8.0	14.6	5.3	1.3	0.0
77.5°	588.1	196.5	30.5	29.2	11.9	8.0	5.3	4.0	1.3	0.0	0.0
80°	151.3	57.1	15.9	14.6	6.6	4.0	2.7	0.0	0.0	0.0	0.0
82.5°	47.8	22.6	9.3	6.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.9	13.3	5.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.3	4.0	1.3	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)