

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: P383376

Luminaire Tested: **GAN-SA6D-735-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-735-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33247.8 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

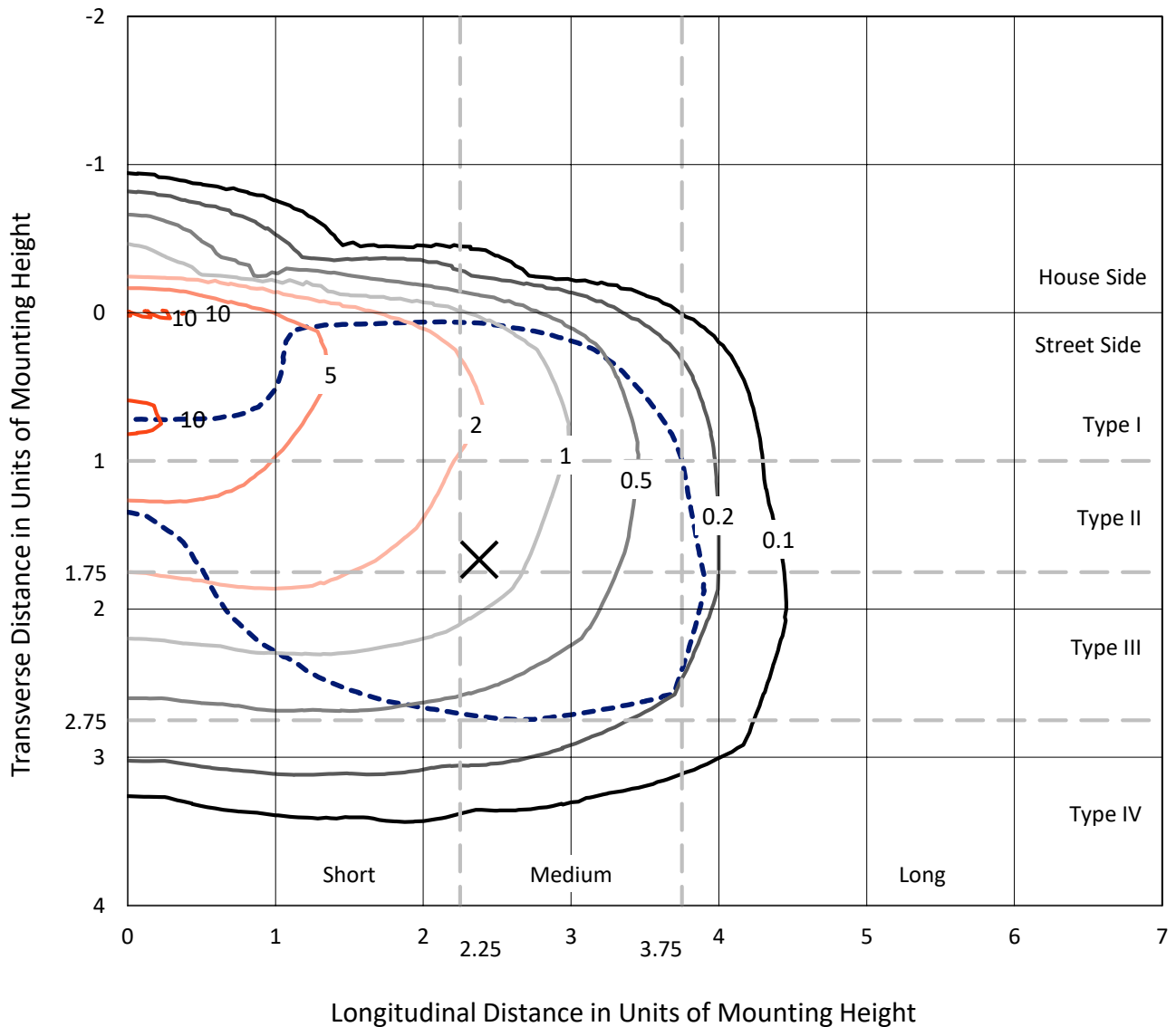
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

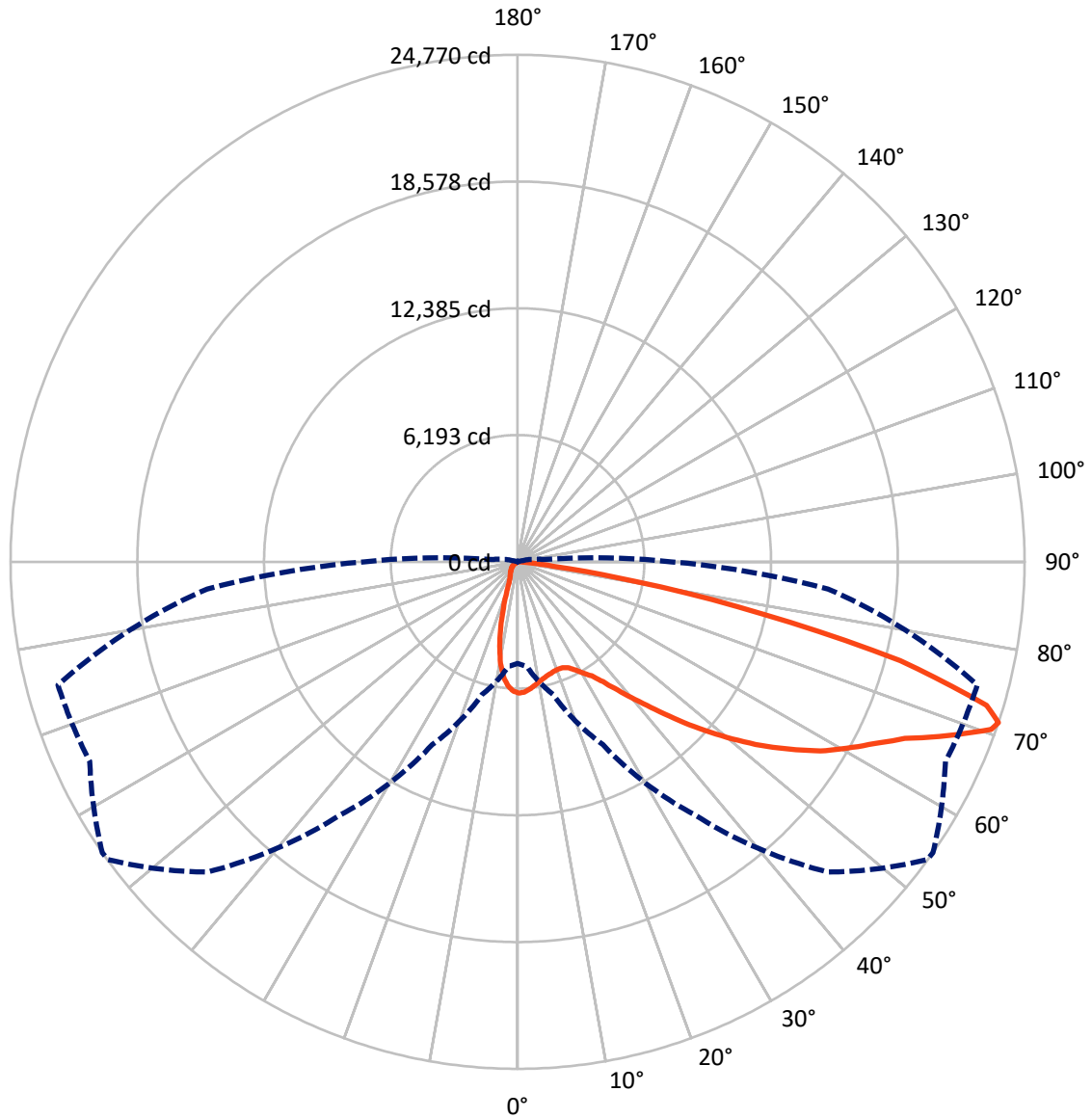
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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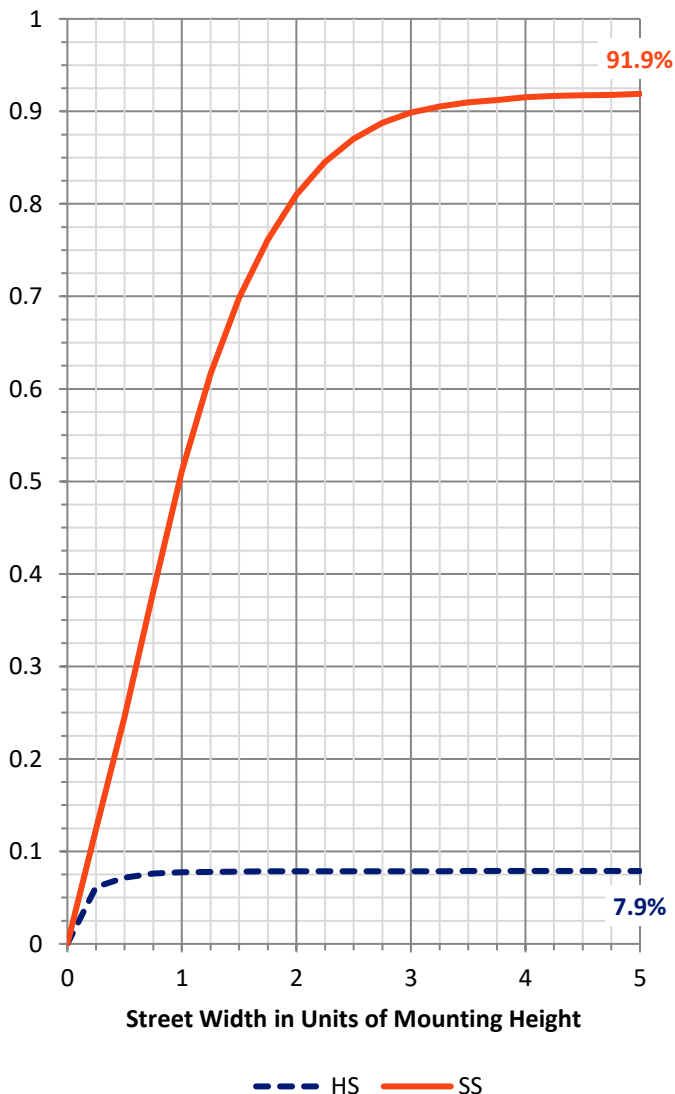
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2632.3	0.0	2632.3
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	30615.5	0.0	30615.5
	% Fixture	92.1	0.0	92.1
Total	Lumens	33247.8	0.0	33247.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.7	1.6
10°-20°	1234.2	3.7
20°-30°	1983.4	6.0
30°-40°	3370.0	10.1
40°-50°	5230.6	15.7
50°-60°	7032.4	21.2
60°-70°	8603.0	25.9
70°-80°	5030.0	15.1
80°-90°	217.4	0.7
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°	33247.8	100.0
0°-180°	33247.8	100.0

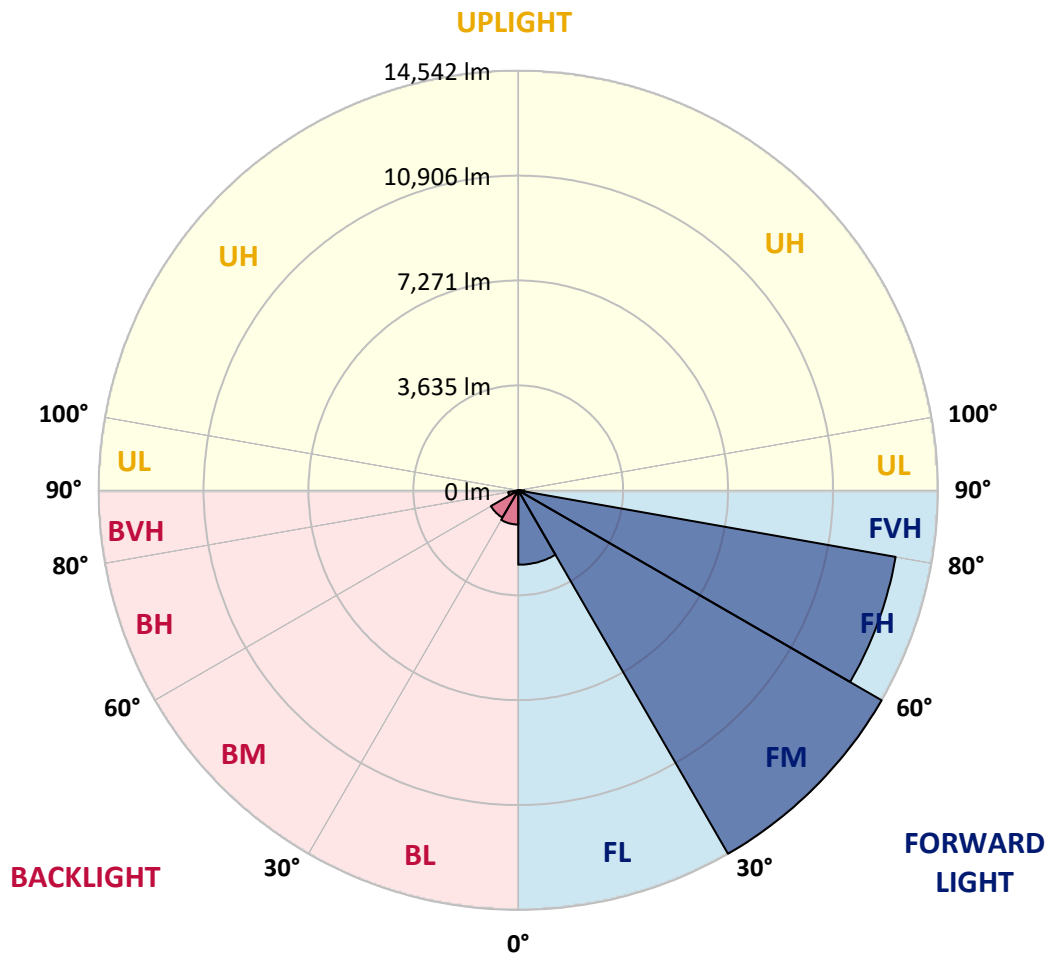


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2579.6	7.8			
FM (30°-60°)	14541.6	43.7			
FH (60°-80°)	13280.3	39.9			G5
FVH (80°-90°)	214.0	0.6			G2/225
BL (0°-30°)	1184.8	3.6	B3/2500		
BM (30°-60°)	1091.4	3.3	B2/2500		
BH (60°-80°)	352.7	1.1	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9
2.5°	6223.9	6231.3	6258.2	6270.2	6298.5	6346.3	6370.2	6371.7	6410.4	6425.4	6437.4
5°	5783.4	5828.2	5873.0	5920.8	6007.4	6122.3	6235.8	6246.2	6371.7	6464.2	6513.5
7.5°	5404.3	5444.6	5498.4	5574.5	5696.9	5877.5	6067.1	6089.5	6326.9	6537.4	6647.8
10°	5014.6	5047.5	5125.1	5237.1	5405.8	5647.6	5902.9	5940.2	6286.5	6635.9	6830.0
12.5°	4598.1	4617.5	4711.6	4872.8	5120.6	5428.1	5764.0	5813.3	6261.2	6749.3	7044.9
15°	4281.6	4290.6	4380.1	4547.3	4831.0	5231.1	5656.5	5716.3	6267.2	6885.3	7279.3
17.5°	4201.0	4205.5	4253.3	4368.2	4619.0	5054.9	5571.5	5644.6	6285.1	7018.1	7515.3
20°	4528.0	4496.6	4447.3	4429.4	4536.9	4948.9	5520.7	5602.8	6309.0	7136.0	7727.2
22.5°	5425.1	5332.6	5128.1	4854.9	4689.1	4956.4	5534.1	5616.3	6385.1	7280.8	7972.0
25°	6756.8	6628.4	6280.6	5743.2	5226.6	5171.4	5646.1	5729.8	6532.9	7454.0	8206.5
27.5°	8272.1	8145.2	7719.7	6952.4	6071.5	5596.8	5902.9	5980.5	6752.3	7607.8	8385.6
30°	9723.2	9687.3	9185.8	8313.9	7134.5	6286.5	6234.3	6300.0	6915.1	7700.4	8527.4
32.5°	10953.3	10896.6	10493.5	9645.6	8351.2	7115.2	6624.0	6643.3	7037.5	7819.8	8712.5
35°	12093.9	12023.8	11670.0	10868.3	9599.3	8127.3	7224.1	7195.7	7304.7	8060.1	8981.2
37.5°	13089.6	13153.8	12761.3	11998.3	10718.9	9179.7	8033.3	7948.2	7722.7	8451.3	9370.9
40°	13922.7	13922.7	13718.2	13082.2	11928.2	10268.1	8948.4	8836.4	8351.2	9054.4	9865.0
42.5°	14222.8	14287.0	14363.1	14003.3	13010.6	11399.7	9968.0	9851.6	9236.5	9909.8	10489.0
45°	14240.7	14342.2	14731.9	14730.4	13988.4	12523.9	11117.6	11062.3	10371.1	11008.6	11262.4
47.5°	13988.4	14115.3	14757.2	15121.5	14763.2	13570.4	12374.6	12305.9	11704.2	12355.2	12071.6
50°	13598.7	13739.1	14485.6	15275.2	15290.2	14481.1	13698.8	13595.8	13171.8	13894.3	12907.5
52.5°	12901.6	13173.3	14242.2	15311.1	15636.6	15267.8	14958.8	14914.0	14813.9	15376.8	13573.4
55°	11410.2	11711.7	13631.6	15323.0	15957.5	15965.0	16139.6	16151.6	16353.1	16762.2	14069.0
57.5°	10705.5	10875.7	12565.6	15379.8	16433.7	16756.2	17342.9	17435.5	17747.5	18077.4	14634.8
60°	10262.1	10463.7	12040.2	15302.2	17181.7	17793.8	18458.1	18489.4	18823.9	19434.5	15400.7
62.5°	9908.3	10106.9	11708.7	15003.6	18022.2	19041.9	19548.0	19550.9	19801.7	21051.3	16271.1
65°	9035.0	9202.2	11038.5	14667.7	18577.6	20276.4	20813.9	20794.5	20999.0	22756.1	17281.7
67.5°	7772.0	7900.4	9669.5	13394.3	18368.5	21399.1	22724.8	22660.6	22412.8	24229.6	17678.8
70°	6008.9	6055.2	7621.2	11162.4	16409.9	21830.5	24571.5	24538.6	23280.1	23965.4	16223.3
71°	4966.8	5119.1	6716.6	9851.6	15097.6	21431.9	24750.7	24770.0	23062.2	23245.8	15221.5
72.5°	2884.3	3014.1	4868.4	7565.9	12818.0	19768.8	23822.1	23962.4	22044.0	21143.8	13001.6
75°	618.1	661.3	1804.9	3662.1	7050.9	13855.6	18803.0	19303.1	17966.9	14384.0	7836.2
77.5°	429.9	464.3	773.3	1661.6	2330.4	6846.4	11680.4	12244.7	10733.9	5405.8	2508.1
80°	340.4	379.2	603.1	821.1	630.0	2208.0	5471.4	5816.3	3579.9	1206.3	422.5
82.5°	189.6	225.4	470.2	443.4	241.8	419.5	1531.7	1731.7	716.5	243.3	100.0
85°	55.2	67.2	303.0	322.5	103.0	80.6	261.3	324.0	135.8	64.2	44.8
87.5°	0.0	0.0	146.3	123.9	29.9	11.9	23.8	26.8	26.8	26.8	29.9
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°	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9	6411.9
2.5°	6437.4	6447.8	6410.4	6361.2	6309.0	6244.7	6177.6	6125.3	6123.8	6098.5	6073.0
5°	6516.5	6510.5	6407.5	6250.8	6065.6	5873.0	5689.4	5481.9	5413.2	5328.2	5299.8
7.5°	6662.8	6621.0	6403.0	6059.6	5653.6	5250.5	4834.0	4414.5	4235.4	4074.1	4045.7
10°	6846.4	6767.3	6374.7	5773.0	5028.0	4284.6	3656.1	3085.8	2835.0	2642.4	2633.5
12.5°	7037.5	6916.6	6295.5	5340.1	4208.5	3163.4	2439.4	1878.1	1669.1	1534.7	1546.6
15°	7237.6	7056.9	6125.3	4756.4	3275.4	2146.8	1498.9	1168.9	1085.3	1051.0	1059.9
17.5°	7442.0	7153.9	5887.9	4053.2	2354.3	1385.4	1037.6	945.0	945.0	952.5	955.5
20°	7619.7	7206.2	5538.6	3265.0	1595.9	1009.2	907.7	894.3	901.7	913.7	915.2
22.5°	7795.8	7209.2	5083.3	2466.3	1116.6	883.8	864.4	858.4	862.9	876.3	877.8
25°	7939.2	7173.4	4513.0	1754.1	891.2	833.0	824.0	821.1	824.0	840.5	840.5
27.5°	7997.4	7043.4	3817.3	1233.1	798.7	776.3	773.3	776.3	780.8	792.7	794.2
30°	8003.4	6816.5	3058.9	892.8	724.1	700.2	706.1	716.5	712.1	709.1	712.1
32.5°	8018.3	6553.8	2319.9	734.5	661.3	624.0	616.6	616.6	598.6	588.2	582.2
35°	8067.6	6244.7	1682.5	659.8	597.1	553.9	525.5	492.7	458.3	440.4	436.0
37.5°	8145.2	5920.8	1204.8	610.6	540.4	491.2	437.5	379.2	330.0	316.4	316.4
40°	8287.0	5586.4	891.2	571.8	495.7	434.5	353.8	277.7	232.9	225.4	225.4
42.5°	8511.0	5234.1	710.6	537.4	456.8	376.3	270.2	201.6	168.7	164.2	162.7
45°	8743.9	4845.9	621.1	504.6	415.0	309.0	200.0	149.3	129.9	125.4	125.4
47.5°	8976.8	4432.4	577.7	473.2	374.8	240.3	149.3	117.9	109.0	109.0	110.5
50°	9173.8	4000.9	546.4	438.9	322.5	182.1	117.9	100.0	97.1	103.0	104.5
52.5°	9223.1	3577.0	507.6	395.6	258.2	138.8	97.1	88.1	88.1	88.1	88.1
55°	9193.3	3248.5	456.8	341.9	191.1	110.5	83.6	77.6	76.1	76.1	76.1
57.5°	9294.7	3054.5	365.7	265.8	137.3	89.6	73.1	68.7	65.7	64.2	64.2
60°	9499.3	2927.6	261.3	191.1	103.0	74.6	62.7	58.2	53.8	50.8	50.8
62.5°	9771.0	2817.1	194.0	141.8	79.1	59.7	52.3	47.8	41.8	38.8	38.8
65°	9979.9	2620.1	147.8	106.0	59.7	47.8	40.3	38.8	29.9	26.8	25.3
67.5°	9660.5	2187.1	119.4	77.6	44.8	37.4	31.4	29.9	17.9	14.9	14.9
70°	8285.6	1522.7	95.6	56.7	32.9	29.9	25.3	19.4	13.4	11.9	11.9
71°	7513.8	1271.9	86.6	47.8	28.3	28.3	23.8	16.4	11.9	10.4	10.4
72.5°	6241.7	903.2	73.1	37.4	25.3	29.9	25.3	14.9	11.9	10.4	8.9
75°	3623.3	377.7	50.8	25.3	19.4	35.9	32.9	13.4	8.9	7.5	7.5
77.5°	1089.8	138.8	28.3	16.4	14.9	31.4	37.4	11.9	4.5	1.5	1.5
80°	198.5	59.7	17.9	10.4	10.4	19.4	28.3	6.0	0.0	0.0	0.0
82.5°	70.1	29.9	10.4	6.0	4.5	8.9	13.4	0.0	0.0	0.0	0.0
85°	40.3	20.9	6.0	3.0	0.0	1.5	3.0	0.0	0.0	0.0	0.0
87.5°	26.8	6.0	0.0	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)