

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: P321251

Luminaire Tested: **GAN-SA7C-730-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36776 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

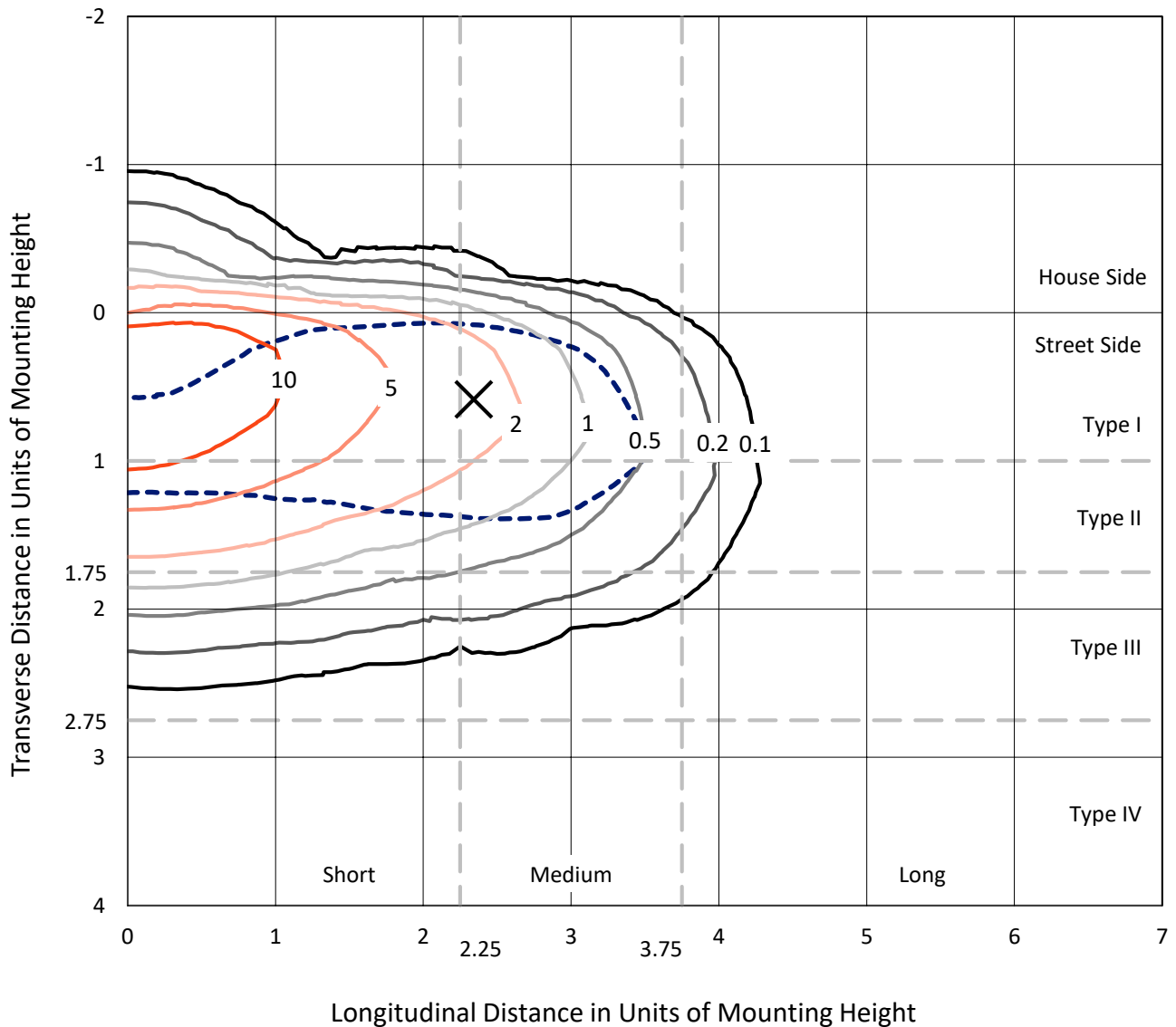
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321251
 CATALOG NUMBER: GAN-SA7C-730-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

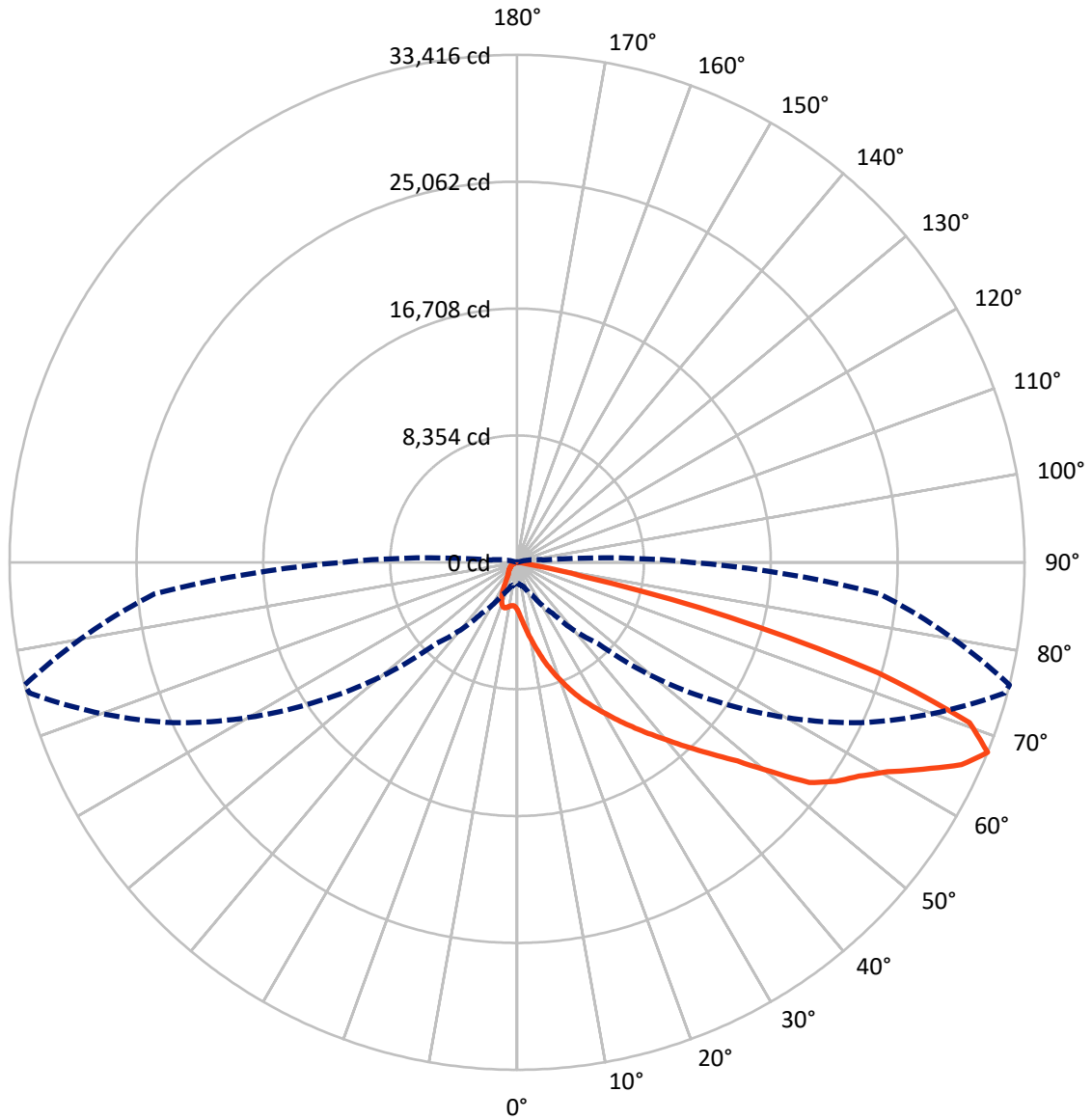
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P321251
CATALOG NUMBER: GAN-SA7C-730-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P321251
 CATALOG NUMBER: GAN-SA7C-730-U-T2R-HSS

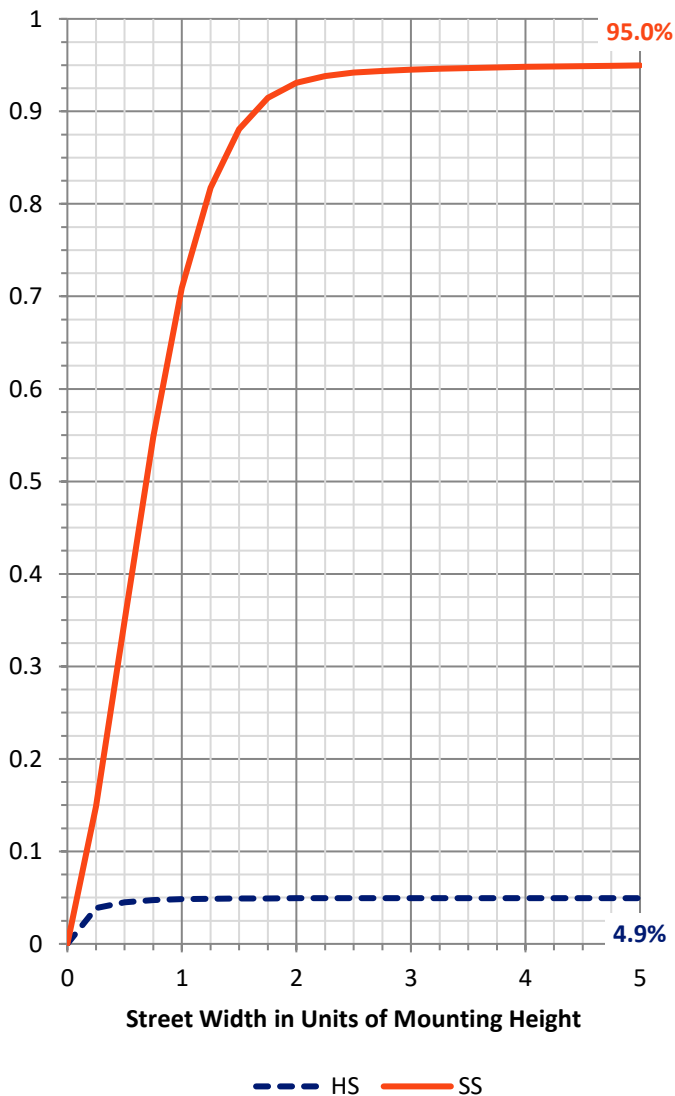
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1826.2	0.0	1826.2
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	34949.8	0.0	34949.8
	% Fixture	95.0	0.0	95.0
Total	Lumens	36776.0	0.0	36776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.9	1.1
10°-20°	1537.8	4.2
20°-30°	3128.9	8.5
30°-40°	5430.8	14.8
40°-50°	7673.0	20.9
50°-60°	8701.5	23.7
60°-70°	7217.1	19.6
70°-80°	2614.2	7.1
80°-90°	84.8	0.2
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°	36776.0	100.0
0°-180°	36776.0	100.0

Coefficient of Utilization

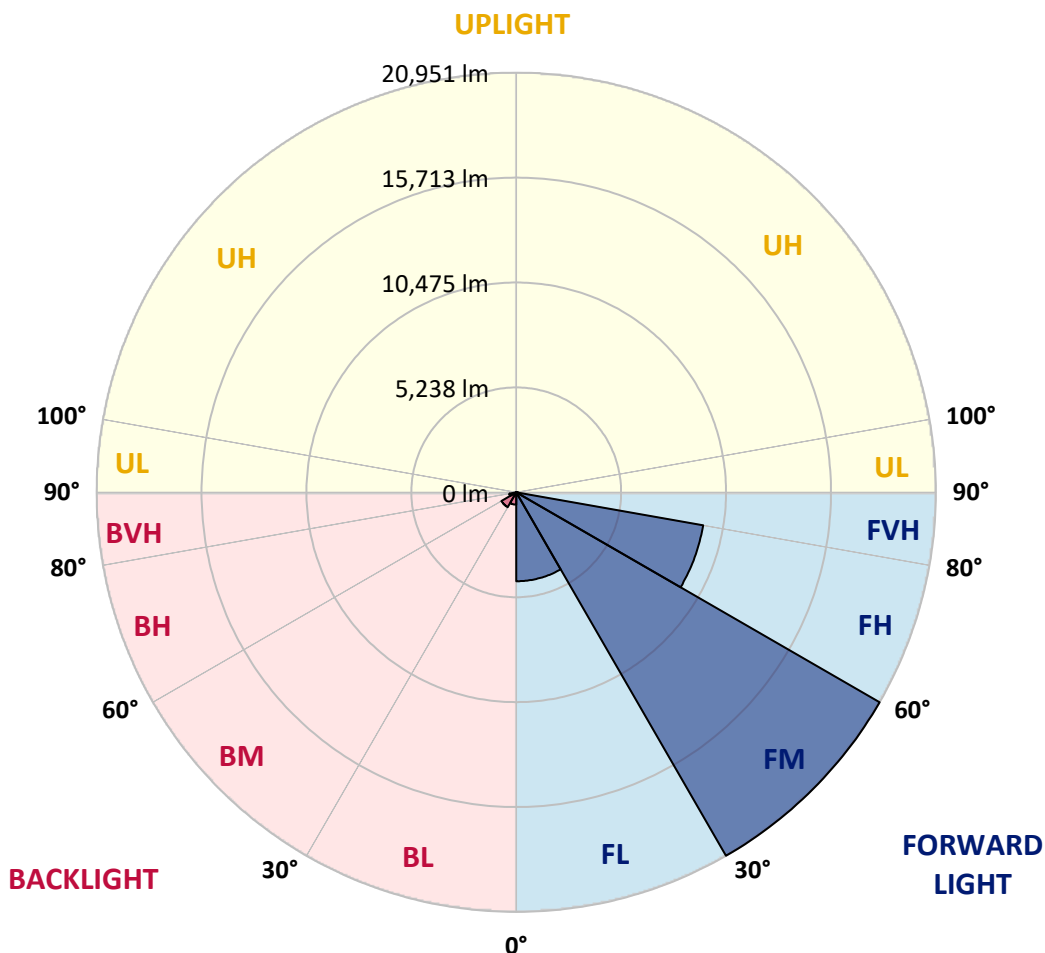


REPORT NUMBER: P321251
 CATALOG NUMBER: GAN-SA7C-730-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4438.7	12.1			
FM (30°-60°)	20950.5	57.0			
FH (60°-80°)	9478.4	25.8			G4/12000
FVH (80°-90°)	82.1	0.2			G1/100
BL (0°-30°)	615.9	1.7	B2/1000		
BM (30°-60°)	854.7	2.3	B1/1000		
BH (60°-80°)	352.9	1.0	B1/500		G1/500
BVH (80°-90°)	2.7	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 II Medium





REPORT NUMBER: P321251

CATALOG NUMBER: GAN-SA7C-730-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7
2.5°	4656.9	4552.2	4576.4	4508.7	4386.2	4134.9	3920.5	3717.5	3480.6	3472.6	3277.6
5°	6279.6	6191.0	6179.7	6042.7	5820.4	5393.4	4977.6	4503.9	3975.3	3936.6	3522.5
7.5°	7752.4	7681.5	7655.8	7493.0	7078.9	6663.1	6121.7	5425.6	4598.9	4528.0	3852.9
10°	8883.6	8849.8	8856.3	8740.2	8385.7	7999.0	7288.4	6400.5	5306.3	5196.8	4249.3
12.5°	9740.9	9749.0	9807.0	9736.1	9537.9	9251.0	8492.1	7439.8	6089.5	5939.6	4702.1
15°	10371.0	10411.3	10517.6	10606.2	10591.7	10343.6	9647.5	8495.3	6921.0	6755.0	5206.4
17.5°	10778.7	10823.8	10978.5	11175.1	11355.5	11297.5	10762.5	9513.7	7762.1	7570.4	5746.3
20°	11136.4	11189.6	11355.5	11615.0	11951.8	12024.3	11673.0	10501.5	8601.7	8368.0	6303.8
22.5°	11911.5	11909.9	12011.4	12162.8	12483.5	12670.4	12448.1	11418.4	9431.5	9188.2	6872.6
25°	13313.4	13260.2	13224.8	13105.5	13176.4	13292.4	13168.4	12275.6	10266.2	10019.7	7449.5
27.5°	14979.6	15011.8	14725.0	14404.3	14156.1	14036.9	13833.9	13070.1	11068.7	10798.0	8013.5
30°	16737.6	16747.3	16408.9	15999.6	15453.3	15000.5	14649.2	13829.0	11893.7	11598.9	8561.4
32.5°	18323.2	18260.4	17925.2	17367.7	16678.0	16168.8	15438.8	14676.6	12767.1	12481.9	9170.5
35°	19580.1	19506.0	19098.3	18590.7	17875.3	17362.8	16484.6	15522.6	13685.6	13406.8	9781.2
37.5°	20498.6	20411.6	19992.6	19470.5	18853.4	18555.3	17698.0	16442.7	14687.9	14388.2	10424.1
40°	20817.7	20741.9	20479.3	20097.4	19601.1	19533.4	18985.5	17501.4	15778.8	15459.8	11152.5
42.5°	20627.5	20553.4	20459.9	20331.0	20124.8	20189.2	20200.5	18708.4	16990.6	16676.4	11956.6
45°	19873.4	19807.3	19904.0	20092.5	20348.8	20667.8	21309.2	20005.5	18344.2	18009.0	12886.4
47.5°	18763.1	18714.8	18982.3	19452.8	20202.1	21081.9	22322.7	21368.8	19863.7	19552.7	14046.6
50°	17184.0	17175.9	17710.9	18569.8	19721.9	21281.8	23370.1	22918.9	21974.7	21647.5	15659.6
52.5°	14725.0	14741.1	15793.3	17167.9	18879.2	21146.4	24043.7	24910.6	24430.4	24090.4	17056.7
55°	12383.6	12480.3	13226.4	15208.4	17586.8	20643.6	24275.7	25840.4	25785.6	25463.3	17833.4
57.5°	10090.6	10266.2	10984.9	12836.4	15699.9	19485.0	24148.4	26243.3	26794.4	26547.8	18858.2
60°	7605.8	7686.4	8514.6	10245.3	13277.9	17370.9	23225.1	26462.4	28173.7	28002.9	20345.5
62.5°	4839.0	5040.5	5775.3	7444.7	10338.7	14434.9	21668.5	26459.2	29899.5	29993.0	22264.7
65°	2549.2	2784.5	3174.5	4613.4	7104.7	11155.7	19327.1	26211.0	32016.9	32147.4	23764.9
67.5°	1374.5	1442.2	1648.5	2394.5	4120.3	7557.5	15886.8	24986.4	33243.2	33415.6	23974.4
70°	1005.5	1042.6	1119.9	1324.6	2073.9	4389.5	11592.4	22209.9	31662.4	31597.9	21301.1
72.5°	771.9	829.9	887.9	970.1	1192.4	2343.0	7217.5	17391.8	25263.5	24838.1	15922.2
75°	609.1	618.8	701.0	775.1	894.3	1334.2	3205.1	10129.3	15419.5	14412.4	8256.8
77.5°	486.6	493.1	541.4	605.9	718.7	876.6	992.6	3985.0	4922.8	4392.7	1791.9
80°	288.4	304.6	402.8	467.3	596.2	552.7	362.6	865.3	768.6	696.1	301.3
82.5°	161.1	174.0	227.2	369.0	415.7	264.3	180.5	233.7	180.5	175.6	85.4
85°	0.0	8.1	146.6	228.8	169.2	58.0	75.7	77.3	53.2	50.0	33.8
87.5°	0.0	0.0	45.1	43.5	6.4	9.7	17.7	25.8	20.9	20.9	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P321251
 CATALOG NUMBER: GAN-SA7C-730-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7	3119.7
2.5°	3180.9	3093.9	2929.5	2768.4	2633.0	2521.8	2421.9	2381.6	2349.4	2344.6	2318.8
5°	3322.7	3147.1	2832.8	2575.0	2402.6	2280.1	2175.4	2110.9	2061.0	2041.6	2023.9
7.5°	3537.0	3271.1	2819.9	2523.5	2317.2	2110.9	1917.6	1708.1	1577.6	1527.6	1498.6
10°	3798.1	3435.5	2868.3	2508.9	2148.0	1712.9	1392.2	1126.4	1018.4	983.0	973.3
12.5°	4102.6	3640.2	2952.1	2418.7	1787.0	1216.6	960.4	870.2	846.0	834.7	834.7
15°	4452.3	3864.1	3011.7	2157.7	1321.3	920.1	831.5	789.6	763.8	749.3	750.9
17.5°	4810.0	4083.3	2982.7	1779.0	974.9	818.6	752.5	707.4	672.0	657.5	654.2
20°	5171.0	4286.3	2821.6	1324.6	825.0	742.9	668.7	618.8	583.3	568.8	565.6
22.5°	5544.8	4458.7	2538.0	971.7	741.2	659.1	586.5	536.6	502.8	489.9	483.4
25°	5909.0	4598.9	2141.6	786.4	662.3	580.1	510.8	464.1	433.5	420.6	419.0
27.5°	6249.0	4687.6	1682.3	694.5	593.0	509.2	446.4	404.5	378.7	369.0	367.4
30°	6555.2	4695.6	1244.0	626.8	531.8	448.0	390.0	352.9	330.3	320.7	317.4
32.5°	6864.6	4627.9	905.6	565.6	475.4	394.8	338.4	309.4	293.3	285.2	285.2
35°	7156.2	4471.6	705.8	512.4	420.6	343.2	298.1	277.2	267.5	259.4	259.4
37.5°	7441.4	4247.6	599.4	465.7	369.0	299.7	262.7	249.8	241.7	233.7	233.7
40°	7731.5	3965.7	544.7	422.2	327.1	265.9	233.7	222.4	214.3	207.9	206.3
42.5°	8087.6	3640.2	509.2	381.9	290.1	235.3	206.3	193.4	186.9	180.5	177.3
45°	8500.1	3359.8	480.2	341.6	259.4	209.5	178.9	166.0	156.3	148.2	146.6
47.5°	9094.7	3156.7	441.5	298.1	230.4	182.1	154.7	140.2	125.7	117.6	116.0
50°	9853.7	2989.1	391.6	259.4	201.4	154.7	128.9	111.2	98.3	90.2	90.2
52.5°	10230.8	2770.0	346.5	225.6	169.2	130.5	104.7	83.8	77.3	69.3	69.3
55°	10382.2	2602.4	301.3	191.8	140.2	108.0	82.2	64.5	59.6	54.8	53.2
57.5°	10807.7	2554.1	262.7	162.8	116.0	85.4	62.8	48.3	45.1	38.7	38.7
60°	11492.5	2578.2	227.2	138.6	93.5	66.1	46.7	37.1	33.8	27.4	27.4
62.5°	12232.1	2547.6	191.8	119.2	72.5	48.3	32.2	27.4	27.4	16.1	14.5
65°	12373.9	2268.9	164.4	98.3	56.4	35.5	20.9	17.7	24.2	3.2	0.0
67.5°	11484.4	1759.6	141.8	75.7	41.9	27.4	16.1	8.1	20.9	0.0	0.0
70°	9183.4	1118.3	114.4	54.8	32.2	22.6	12.9	3.2	16.1	0.0	0.0
72.5°	6493.9	649.4	90.2	38.7	27.4	17.7	9.7	0.0	9.7	0.0	0.0
75°	3284.0	346.5	56.4	29.0	20.9	12.9	6.4	0.0	1.6	0.0	0.0
77.5°	710.6	161.1	35.5	20.9	14.5	8.1	3.2	0.0	0.0	0.0	0.0
80°	154.7	70.9	22.6	12.9	8.1	4.8	0.0	0.0	0.0	0.0	0.0
82.5°	56.4	37.1	11.3	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.6	19.3	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.1	6.4	1.6	1.6	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)