

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: P323474

Luminaire Tested: **GAN-SA0A-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35887 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

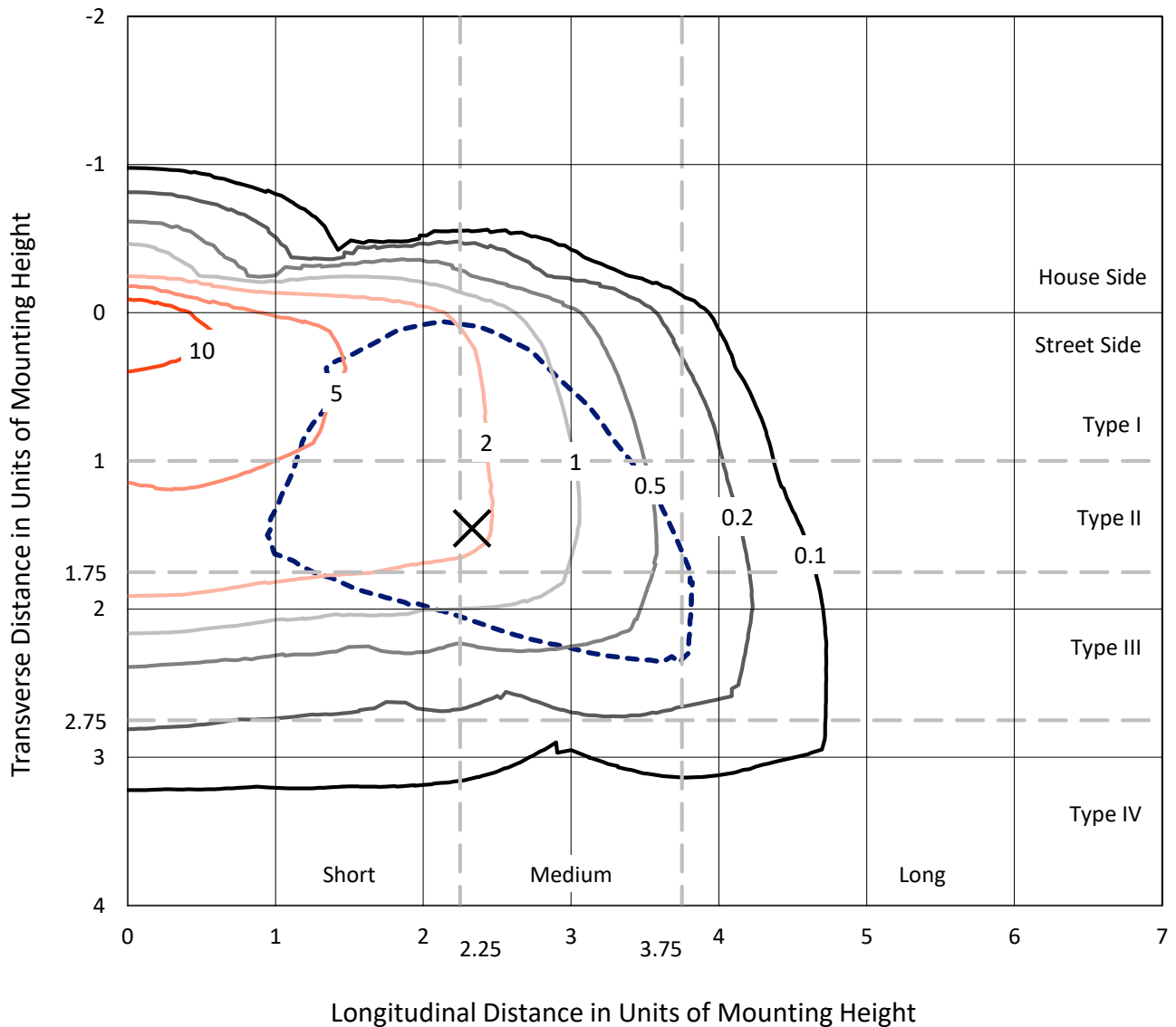
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323474
 CATALOG NUMBER: GAN-SA0A-730-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

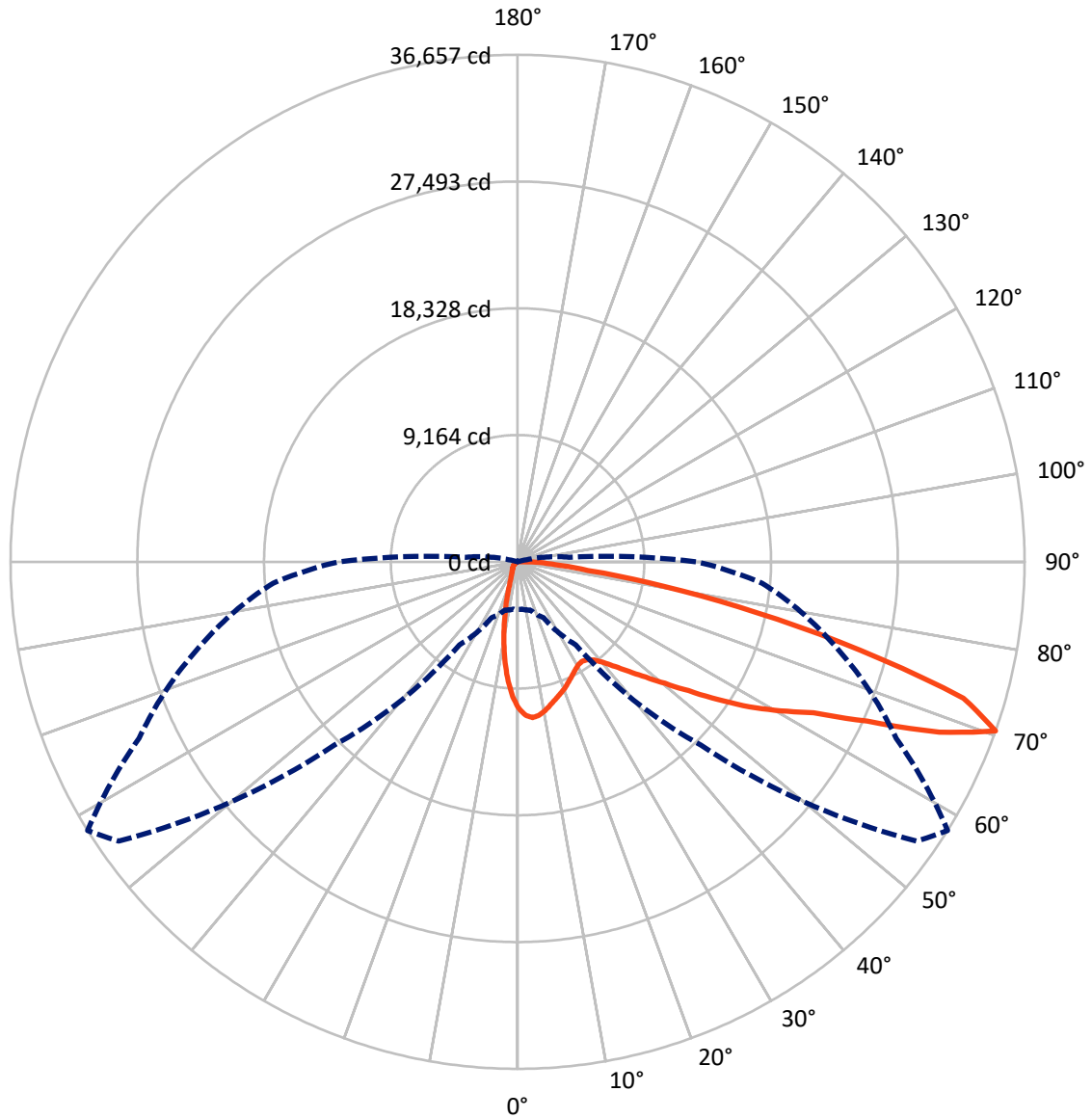
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P323474
CATALOG NUMBER: GAN-SA0A-730-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P323474
 CATALOG NUMBER: GAN-SA0A-730-U-SL3-HSS

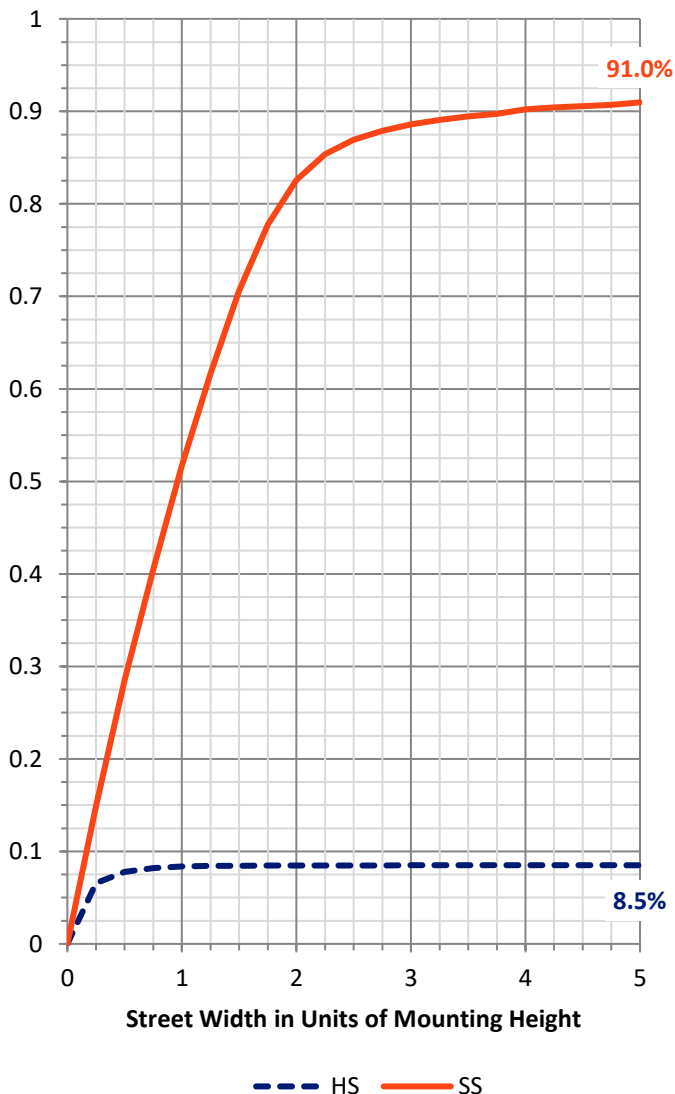
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3071.1	0.0	3071.1
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	32815.9	0.0	32815.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	35887.0	0.0	35887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.9	2.4
10°-20°	1819.4	5.1
20°-30°	2391.8	6.7
30°-40°	3167.7	8.8
40°-50°	4734.8	13.2
50°-60°	7585.0	21.1
60°-70°	9560.8	26.6
70°-80°	5157.0	14.4
80°-90°	603.6	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°	35887.0	100.0
0°-180°	35887.0	100.0

Coefficient of Utilization

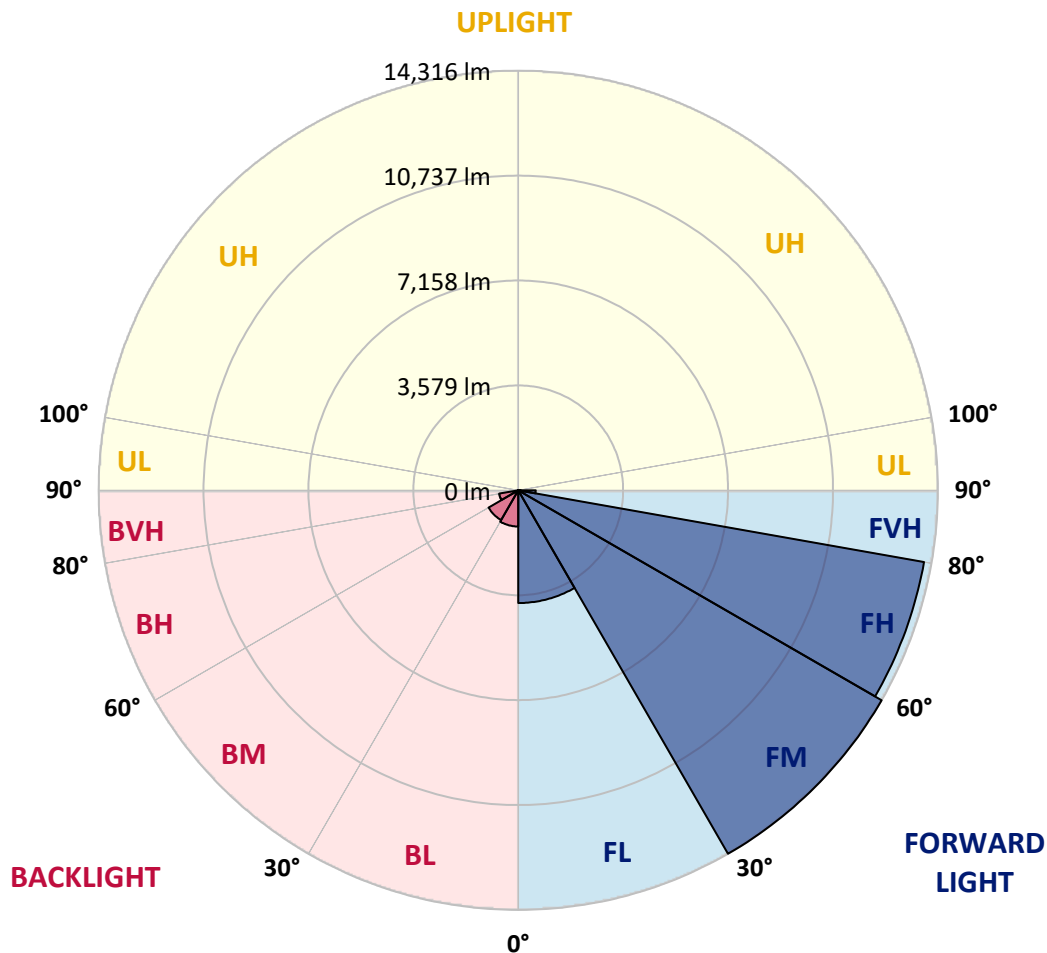


REPORT NUMBER: P323474
 CATALOG NUMBER: GAN-SA0A-730-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3844.2	10.7			
FM (30°-60°)	14315.9	39.9			
FH (60°-80°)	14057.3	39.2			G5
FVH (80°-90°)	598.4	1.7			G4/750
BL (0°-30°)	1233.9	3.4	B3/2500		
BM (30°-60°)	1171.6	3.3	B2/2500		
BH (60°-80°)	660.5	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.2	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





REPORT NUMBER: P323474

CATALOG NUMBER: GAN-SAOA-730-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8
2.5°	11479.8	11451.4	11441.0	11423.1	11354.4	11287.3	11154.5	11117.2	11033.6	10835.1	10624.7
5°	11488.7	11487.2	11518.6	11511.1	11487.2	11455.9	11360.4	11311.2	11169.4	10885.9	10500.9
7.5°	10935.1	10963.5	11033.6	11090.3	11156.0	11241.0	11253.0	11205.2	11088.8	10782.9	10272.6
10°	10192.0	10236.7	10335.2	10447.1	10618.8	10788.9	10941.1	10935.1	10894.8	10593.4	9998.0
12.5°	9447.4	9499.6	9613.0	9778.6	10021.9	10299.4	10571.0	10608.3	10675.5	10423.3	9744.3
15°	8795.2	8840.0	8951.9	9154.9	9456.3	9829.4	10227.8	10296.4	10469.5	10290.5	9532.4
17.5°	8241.6	8270.0	8352.0	8577.4	8926.6	9378.7	9896.5	10030.8	10289.0	10186.0	9348.9
20°	7855.1	7859.6	7913.3	8071.5	8420.7	8926.6	9553.3	9745.8	10098.0	10096.5	9159.3
22.5°	7664.1	7649.2	7659.7	7750.7	8007.3	8495.3	9210.1	9438.4	9926.4	10020.4	8966.9
25°	7628.3	7616.4	7586.5	7598.5	7753.7	8117.8	8863.9	9128.0	9775.6	9974.1	8799.7
27.5°	7740.2	7752.2	7701.4	7647.7	7659.7	7873.0	8556.5	8862.4	9653.3	9974.1	8681.8
30°	7965.6	7971.5	7934.2	7864.1	7770.1	7804.4	8343.1	8649.0	9592.1	10042.8	8607.2
32.5°	8214.8	8247.6	8243.1	8186.4	8052.1	7913.3	8292.4	8571.4	9587.6	10195.0	8599.8
35°	8523.7	8561.0	8623.6	8611.7	8471.4	8243.1	8465.5	8684.8	9675.7	10445.7	8680.3
37.5°	8851.9	8908.7	9043.0	9107.1	9016.1	8757.9	8853.4	9010.1	9911.4	10851.5	8884.8
40°	9169.8	9234.0	9478.7	9730.9	9662.2	9396.6	9441.4	9566.7	10330.8	11435.0	9272.8
42.5°	9481.7	9577.2	9936.8	10351.6	10433.7	10221.8	10245.7	10345.7	10953.0	12237.8	9907.0
45°	9854.7	9962.2	10494.9	11006.7	11226.1	11133.6	11235.1	11300.7	11766.3	13298.8	10762.0
47.5°	10402.4	10526.2	11179.8	11763.3	12148.3	12208.0	12412.4	12455.7	12794.4	14534.4	11876.7
50°	11470.8	11505.1	12096.1	12625.8	13180.9	13539.1	13771.9	13804.7	14039.0	15884.9	13269.0
52.5°	12815.3	12837.7	13172.0	13527.1	14158.3	14889.5	15434.2	15480.5	15529.7	17201.0	14643.3
55°	14150.9	14147.9	14368.7	14577.7	15299.9	16362.4	17544.2	17572.6	17218.9	18450.0	15693.9
57.5°	14985.0	15065.6	15401.4	15670.0	16678.7	18041.1	19681.1	19785.6	18993.2	19375.2	16732.5
60°	14719.4	14758.2	15502.8	16496.7	18396.3	20427.2	21843.4	21870.2	20327.2	20298.9	18045.6
62.5°	12540.8	12561.6	13731.6	15780.4	19266.3	23522.1	24451.8	24014.6	21861.3	21580.7	19616.9
65°	8595.3	8731.1	9708.5	12240.8	17668.1	25463.5	28489.8	27766.0	24199.6	23428.1	21037.6
67.5°	5061.7	5033.3	5516.8	7382.1	12976.5	24174.2	33597.7	32878.5	27388.5	24665.2	20621.2
70°	3457.5	3438.1	3623.2	4469.2	7325.4	18752.9	35204.8	36656.8	30204.4	23832.5	17747.2
72.5°	2468.2	2478.6	2751.7	3472.4	4599.1	10926.2	30274.5	33711.1	29322.5	20776.4	13489.8
75°	1675.8	1704.1	2095.1	2848.7	4032.0	5558.6	21483.7	25626.2	23877.3	15099.9	7753.7
77.5°	901.3	932.6	1393.7	2295.1	3645.5	3861.9	13819.6	17636.7	14998.5	6788.2	2247.3
80°	376.0	394.0	652.1	1668.3	3150.1	3391.9	8131.2	10694.9	6391.3	1338.5	501.4
82.5°	162.7	171.6	271.6	995.3	2354.7	2863.6	4305.1	5145.2	1936.9	294.0	252.2
85°	31.3	32.8	111.9	526.8	1502.7	1616.1	2790.5	2735.3	870.0	126.8	183.5
87.5°	0.0	0.0	26.9	165.6	441.7	880.4	1702.6	1681.8	295.5	61.2	68.6
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: P323474
 CATALOG NUMBER: GAN-SAOA-730-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8	10600.8
2.5°	10517.3	10414.3	10197.9	9930.8	9726.4	9501.1	9322.0	9095.2	8996.7	9001.2	8947.5
5°	10281.5	10069.6	9590.6	8986.2	8520.7	8040.2	7626.8	7215.0	6971.7	6892.6	6818.0
7.5°	9944.3	9608.5	8844.5	7913.3	7125.4	6355.4	5685.4	5096.0	4722.9	4540.9	4473.7
10°	9563.7	9092.2	7986.5	6759.8	5634.7	4593.1	3724.6	2969.6	2668.1	2463.7	2411.5
12.5°	9229.5	8590.8	7147.8	5576.5	4240.9	2984.5	2156.3	1686.2	1481.8	1401.2	1387.8
15°	8914.6	8122.2	6340.5	4505.1	2936.7	1836.9	1371.4	1211.7	1163.9	1150.5	1150.5
17.5°	8617.7	7676.1	5551.1	3450.1	1942.9	1287.8	1135.6	1099.8	1084.9	1083.4	1084.9
20°	8307.3	7229.9	4775.2	2527.8	1356.4	1090.8	1049.0	1029.6	1025.2	1025.2	1025.2
22.5°	8010.3	6783.7	4020.1	1805.6	1087.8	995.3	974.4	961.0	956.5	955.0	952.0
25°	7725.3	6359.9	3282.9	1275.9	955.0	911.8	893.8	875.9	862.5	855.1	850.6
27.5°	7491.0	5982.4	2596.5	1023.7	862.5	825.2	802.8	776.0	743.1	728.2	722.2
30°	7304.5	5637.7	2001.1	864.0	776.0	738.7	704.3	658.1	610.3	585.0	583.5
32.5°	7158.3	5298.9	1519.1	764.0	698.4	652.1	602.9	544.7	489.5	461.1	459.6
35°	7086.6	5000.5	1161.0	690.9	629.7	571.5	510.3	446.2	392.5	365.6	362.6
37.5°	7134.4	4748.3	905.8	629.7	571.5	504.4	432.7	365.6	317.8	294.0	292.5
40°	7309.0	4587.1	735.7	577.5	522.3	440.2	362.6	299.9	259.6	240.3	238.8
42.5°	7680.5	4527.4	628.2	534.2	474.5	380.5	301.4	247.7	210.4	197.0	194.0
45°	8301.3	4615.5	555.1	492.4	425.3	323.8	249.2	202.9	170.1	159.7	158.2
47.5°	9128.0	4846.8	502.9	452.1	380.5	273.1	207.4	164.1	138.8	128.3	126.8
50°	10193.5	5213.9	459.6	411.9	338.7	231.3	171.6	129.8	107.4	100.0	100.0
52.5°	11352.9	5651.1	420.8	374.6	297.0	192.5	138.8	100.0	85.1	76.1	76.1
55°	12311.0	6033.1	379.0	346.2	246.2	159.7	105.9	76.1	62.7	58.2	58.2
57.5°	13267.5	6440.5	331.3	297.0	197.0	129.8	80.6	56.7	46.3	43.3	43.3
60°	14507.5	6938.9	285.0	241.7	155.2	98.5	59.7	40.3	34.3	32.8	32.8
62.5°	15871.4	7231.4	243.2	194.0	120.9	73.1	43.3	26.9	25.4	25.4	23.9
65°	16705.6	6818.0	204.4	155.2	94.0	55.2	28.4	19.4	22.4	20.9	17.9
67.5°	15641.6	5337.7	167.1	120.9	73.1	41.8	17.9	13.4	23.9	19.4	14.9
70°	12951.1	3736.6	129.8	85.1	58.2	35.8	11.9	9.0	25.4	19.4	11.9
72.5°	9692.1	2501.0	103.0	56.7	43.3	31.3	10.4	4.5	22.4	16.4	10.4
75°	5295.9	1007.3	82.1	35.8	26.9	22.4	7.5	3.0	14.9	11.9	7.5
77.5°	1393.7	265.6	59.7	23.9	14.9	9.0	4.5	1.5	7.5	6.0	3.0
80°	355.2	103.0	38.8	16.4	10.4	4.5	0.0	0.0	1.5	0.0	0.0
82.5°	189.5	43.3	23.9	11.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	143.3	28.4	13.4	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	55.2	9.0	4.5	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)