

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: P323532

Luminaire Tested: **GAN-SA8C-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323532
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-SA8C-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1050mA 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: 48428 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

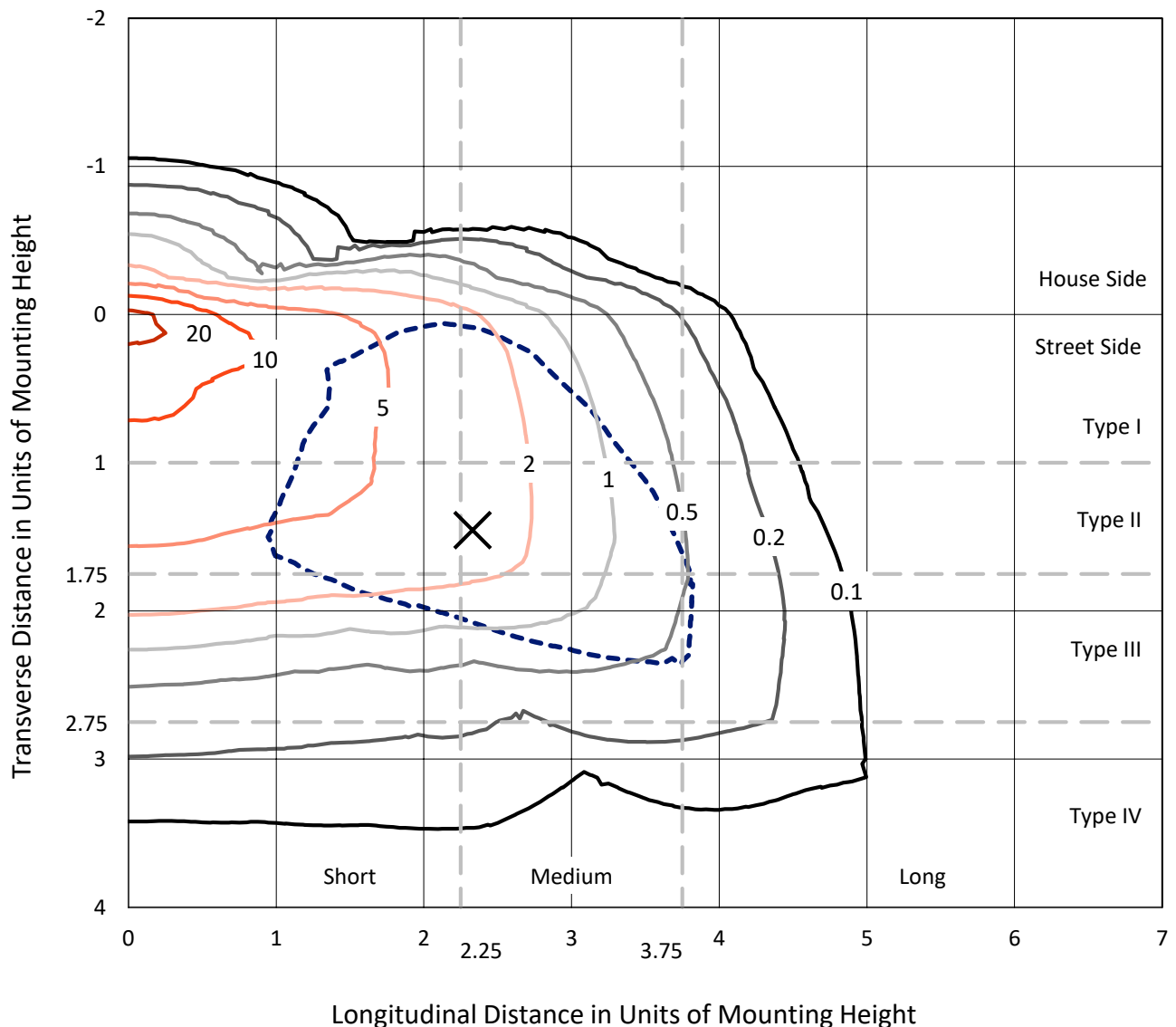
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323532
 CATALOG NUMBER: GAN-SA8C-740-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

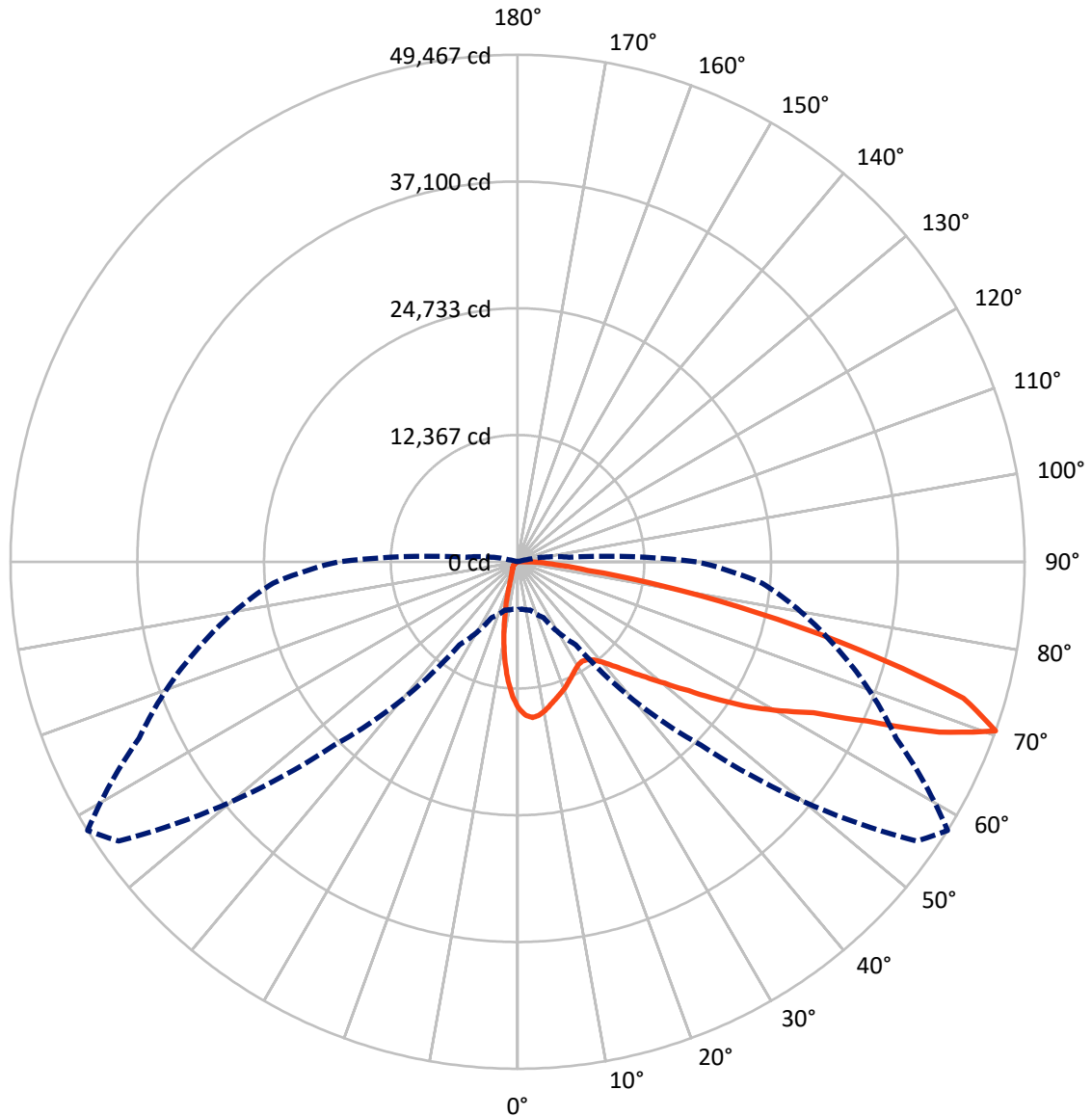
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P323532
CATALOG NUMBER: GAN-SA8C-740-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P323532
 CATALOG NUMBER: GAN-SA8C-740-U-SL3-HSS

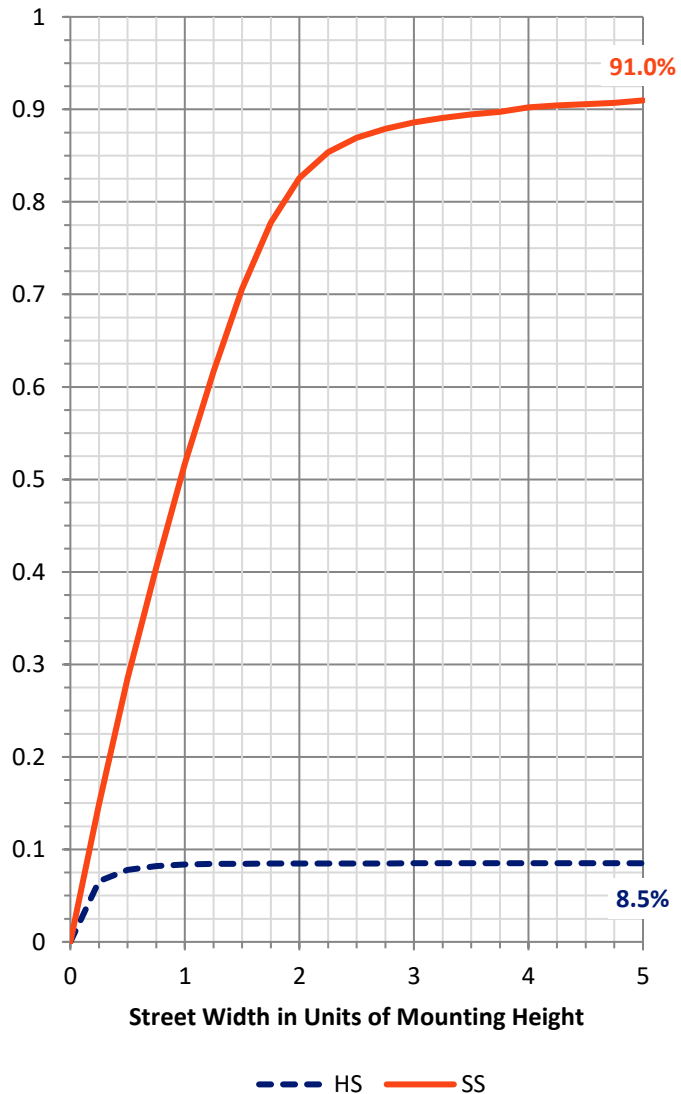
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4144.4	0.0	4144.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	44283.6	0.0	44283.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	48428.0	0.0	48428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1169.8	2.4
10°-20°	2455.2	5.1
20°-30°	3227.7	6.7
30°-40°	4274.7	8.8
40°-50°	6389.4	13.2
50°-60°	10235.6	21.1
60°-70°	12901.8	26.6
70°-80°	6959.2	14.4
80°-90°	814.6	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°	48428.0	100.0
0°-180°	48428.0	100.0

Coefficient of Utilization

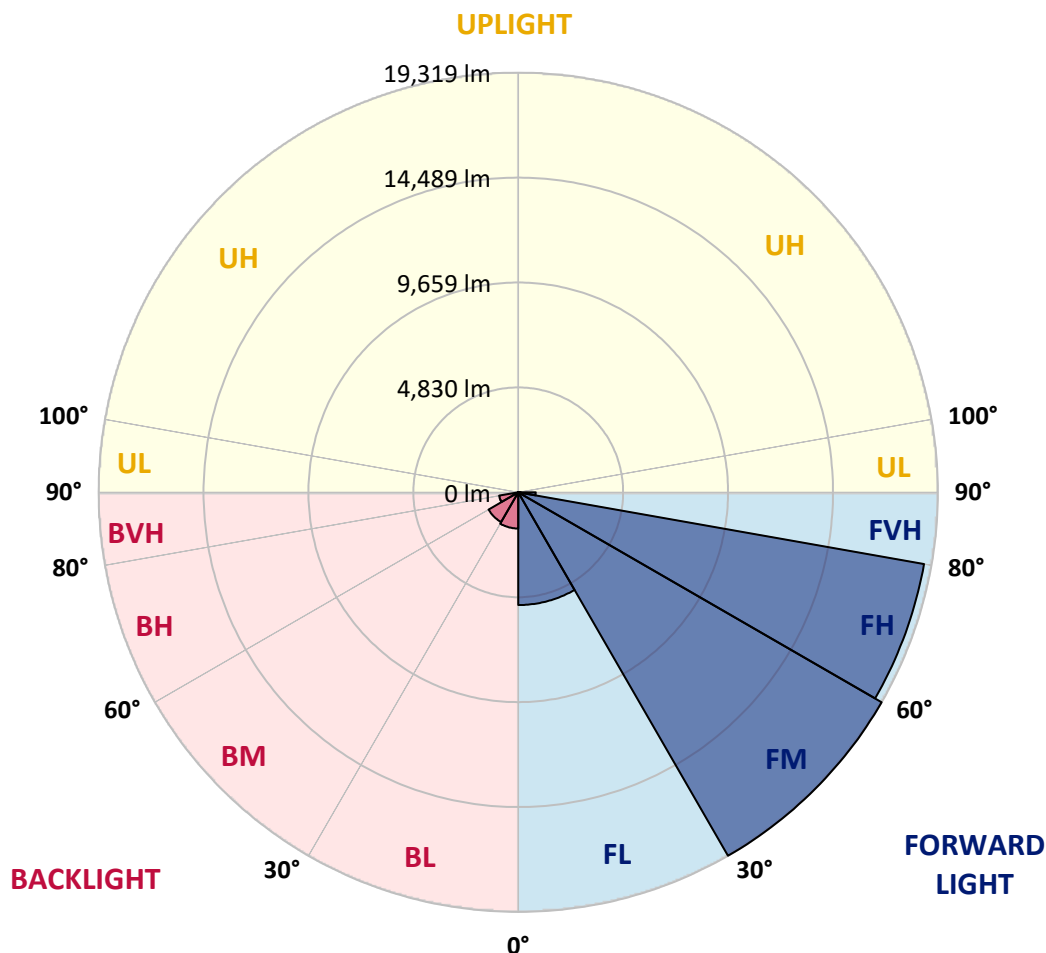


REPORT NUMBER: P323532
 CATALOG NUMBER: GAN-SA8C-740-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5187.6	10.7			
FM (30°-60°)	19318.7	39.9			
FH (60°-80°)	18969.8	39.2			G5
FVH (80°-90°)	807.6	1.7			G5
BL (0°-30°)	1665.0	3.4	B3/2500		
BM (30°-60°)	1581.0	3.3	B2/2500		
BH (60°-80°)	891.3	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.0	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: P323532

CATALOG NUMBER: GAN-SA8C-740-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4
2.5°	15491.5	15453.2	15439.1	15415.0	15322.3	15231.7	15052.5	15002.1	14889.4	14621.6	14337.6
5°	15503.6	15501.5	15543.8	15533.8	15501.5	15459.3	15330.4	15263.9	15072.6	14690.0	14170.5
7.5°	14756.5	14794.7	14889.4	14965.9	15054.5	15169.3	15185.4	15121.0	14963.9	14551.1	13862.4
10°	13753.6	13814.1	13947.0	14098.0	14329.6	14559.1	14764.5	14756.5	14702.1	14295.3	13491.9
12.5°	12748.8	12819.3	12972.3	13195.8	13524.1	13898.6	14265.1	14315.5	14406.1	14065.8	13149.5
15°	11868.8	11929.2	12080.3	12354.1	12760.9	13264.3	13802.0	13894.6	14128.2	13886.6	12863.6
17.5°	11121.7	11160.0	11270.7	11574.8	12046.0	12656.2	13354.9	13536.2	13884.5	13745.6	12615.9
20°	10600.2	10606.2	10678.7	10892.2	11363.4	12046.0	12891.8	13151.5	13626.8	13624.8	12360.2
22.5°	10342.4	10322.3	10336.4	10459.2	10805.6	11464.1	12428.6	12736.7	13395.2	13522.1	12100.4
25°	10294.1	10278.0	10237.7	10253.8	10463.2	10954.6	11961.4	12317.9	13191.8	13459.6	11874.9
27.5°	10445.1	10461.2	10392.8	10320.3	10336.4	10624.3	11546.6	11959.4	13026.7	13459.6	11715.8
30°	10749.2	10757.2	10706.9	10612.3	10485.4	10531.7	11258.7	11671.5	12944.1	13552.3	11615.1
32.5°	11085.5	11129.8	11123.7	11047.2	10866.0	10678.7	11190.2	11566.8	12938.1	13757.7	11605.0
35°	11502.3	11552.7	11637.2	11621.1	11431.8	11123.7	11423.8	11719.8	13056.9	14096.0	11713.8
37.5°	11945.3	12021.9	12203.1	12289.7	12166.8	11818.5	11947.3	12158.8	13375.1	14643.7	11989.6
40°	12374.3	12460.8	12791.1	13131.4	13038.8	12680.3	12740.7	12909.9	13940.9	15431.1	12513.2
42.5°	12795.1	12924.0	13409.3	13969.1	14079.9	13793.9	13826.1	13961.1	14780.6	16514.4	13369.0
45°	13298.5	13443.5	14162.4	14853.1	15149.1	15024.3	15161.2	15249.8	15878.1	17946.2	14522.9
47.5°	14037.6	14204.7	15086.7	15874.1	16393.6	16474.2	16750.0	16808.4	17265.6	19613.5	16027.1
50°	15479.4	15525.7	16323.1	17038.0	17787.1	18270.4	18584.5	18628.8	18945.0	21436.0	17905.9
52.5°	17293.7	17324.0	17775.0	18254.3	19106.1	20092.8	20827.8	20890.2	20956.7	23212.0	19760.5
55°	19096.0	19092.0	19390.0	19671.9	20646.6	22080.3	23675.2	23713.5	23236.2	24897.5	21178.2
57.5°	20221.7	20330.4	20783.5	21146.0	22507.2	24345.8	26558.8	26699.8	25630.5	26146.0	22579.7
60°	19863.2	19915.6	20920.4	22261.6	24825.0	27565.7	29476.7	29512.9	27430.8	27392.5	24351.8
62.5°	16923.2	16951.4	18530.2	21295.0	25999.0	31742.1	32996.7	32406.6	29500.9	29122.3	26472.2
65°	11599.0	11782.2	13101.2	16518.5	23842.3	34362.0	38445.8	37469.1	32656.3	31615.3	28389.3
67.5°	6830.5	6792.2	7444.7	9961.8	17511.2	32622.1	45338.7	44368.1	36959.6	33284.6	27827.5
70°	4665.8	4639.6	4889.3	6031.1	9885.3	25306.3	47507.5	49466.8	40759.5	32161.0	23949.1
72.5°	3330.7	3344.8	3713.3	4685.9	6206.3	14744.4	40854.2	45491.7	39569.4	28036.9	18203.9
75°	2261.4	2299.7	2827.3	3844.2	5441.0	7501.1	28991.4	34581.5	32221.4	20376.7	10463.2
77.5°	1216.3	1258.6	1880.8	3097.1	4919.5	5211.5	18649.0	23800.0	20239.8	9160.4	3032.6
80°	507.5	531.6	880.0	2251.3	4250.9	4577.2	10972.7	14432.3	8624.7	1806.3	676.6
82.5°	219.5	231.6	366.5	1343.1	3177.6	3864.3	5809.6	6943.3	2613.8	396.7	340.3
85°	42.3	44.3	151.0	710.8	2027.8	2180.8	3765.6	3691.1	1174.0	171.2	247.7
87.5°	0.0	0.0	36.2	223.5	596.1	1188.1	2297.6	2269.5	398.7	82.6	92.6
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: P323532
 CATALOG NUMBER: GAN-SA8C-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4	14305.4
2.5°	14192.6	14053.7	13761.7	13401.2	13125.4	12821.3	12579.7	12273.6	12140.7	12146.7	12074.2
5°	13874.5	13588.5	12942.1	12126.6	11498.3	10849.9	10292.1	9736.3	9408.1	9301.3	9200.6
7.5°	13419.4	12966.3	11935.3	10678.7	9615.5	8576.4	7672.2	6876.8	6373.4	6127.7	6037.1
10°	12905.9	12269.5	10777.4	9122.1	7603.8	6198.2	5026.2	4007.3	3600.5	3324.6	3254.2
12.5°	12454.8	11592.9	9645.7	7525.2	5723.0	4027.4	2909.8	2275.5	1999.6	1890.9	1872.8
15°	12029.9	10960.6	8556.3	6079.4	3963.0	2478.9	1850.6	1635.1	1570.7	1552.6	1552.6
17.5°	11629.2	10358.5	7491.0	4655.7	2621.9	1737.8	1532.4	1484.1	1464.0	1462.0	1464.0
20°	11210.3	9756.4	6443.9	3411.2	1830.5	1472.0	1415.6	1389.5	1383.4	1383.4	1383.4
22.5°	10809.6	9154.3	5424.9	2436.6	1468.0	1343.1	1315.0	1296.8	1290.8	1288.8	1284.7
25°	10425.0	8582.4	4430.2	1721.7	1288.8	1230.4	1206.2	1182.0	1163.9	1153.9	1147.8
27.5°	10108.8	8073.0	3503.9	1381.4	1163.9	1113.6	1083.4	1047.1	1002.8	982.7	974.6
30°	9857.1	7607.8	2700.4	1165.9	1047.1	996.8	950.5	888.0	823.6	789.4	787.4
32.5°	9659.8	7150.7	2050.0	1031.0	942.4	880.0	813.5	735.0	660.5	622.2	620.2
35°	9563.1	6747.9	1566.7	932.3	849.8	771.3	688.7	602.1	529.6	493.4	489.3
37.5°	9627.6	6407.6	1222.3	849.8	771.3	680.6	584.0	493.4	428.9	396.7	394.7
40°	9863.2	6190.1	992.8	779.3	704.8	594.0	489.3	404.8	350.4	324.2	322.2
42.5°	10364.6	6109.6	847.8	720.9	640.4	513.5	406.8	334.3	283.9	265.8	261.8
45°	11202.3	6228.4	749.1	664.5	573.9	437.0	336.3	273.9	229.6	215.5	213.5
47.5°	12317.9	6540.5	678.6	610.2	513.5	368.5	279.9	221.5	187.3	173.2	171.2
50°	13755.7	7035.9	620.2	555.8	457.1	312.1	231.6	175.2	145.0	134.9	134.9
52.5°	15320.3	7625.9	567.9	505.4	400.7	259.8	187.3	134.9	114.8	102.7	102.7
55°	16613.1	8141.4	511.5	467.2	332.3	215.5	143.0	102.7	84.6	78.5	78.5
57.5°	17903.9	8691.2	447.0	400.7	265.8	175.2	108.7	76.5	62.4	58.4	58.4
60°	19577.3	9363.8	384.6	326.2	209.4	132.9	80.5	54.4	46.3	44.3	44.3
62.5°	21417.8	9758.4	328.2	261.8	163.1	98.7	58.4	36.2	34.2	34.2	32.2
65°	22543.5	9200.6	275.9	209.4	126.9	74.5	38.3	26.2	30.2	28.2	24.2
67.5°	21107.7	7203.0	225.5	163.1	98.7	56.4	24.2	18.1	32.2	26.2	20.1
70°	17477.0	5042.3	175.2	114.8	78.5	48.3	16.1	12.1	34.2	26.2	16.1
72.5°	13079.1	3375.0	138.9	76.5	58.4	42.3	14.1	6.0	30.2	22.2	14.1
75°	7146.7	1359.3	110.8	48.3	36.2	30.2	10.1	4.0	20.1	16.1	10.1
77.5°	1880.8	358.4	80.5	32.2	20.1	12.1	6.0	2.0	10.1	8.1	4.0
80°	479.3	138.9	52.4	22.2	14.1	6.0	0.0	0.0	2.0	0.0	0.0
82.5°	255.7	58.4	32.2	16.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	193.3	38.3	18.1	10.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	74.5	12.1	6.0	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)