

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: P323524

Luminaire Tested: **GAN-SA0B-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323524
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-SA0B-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 800mA 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: 48323 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

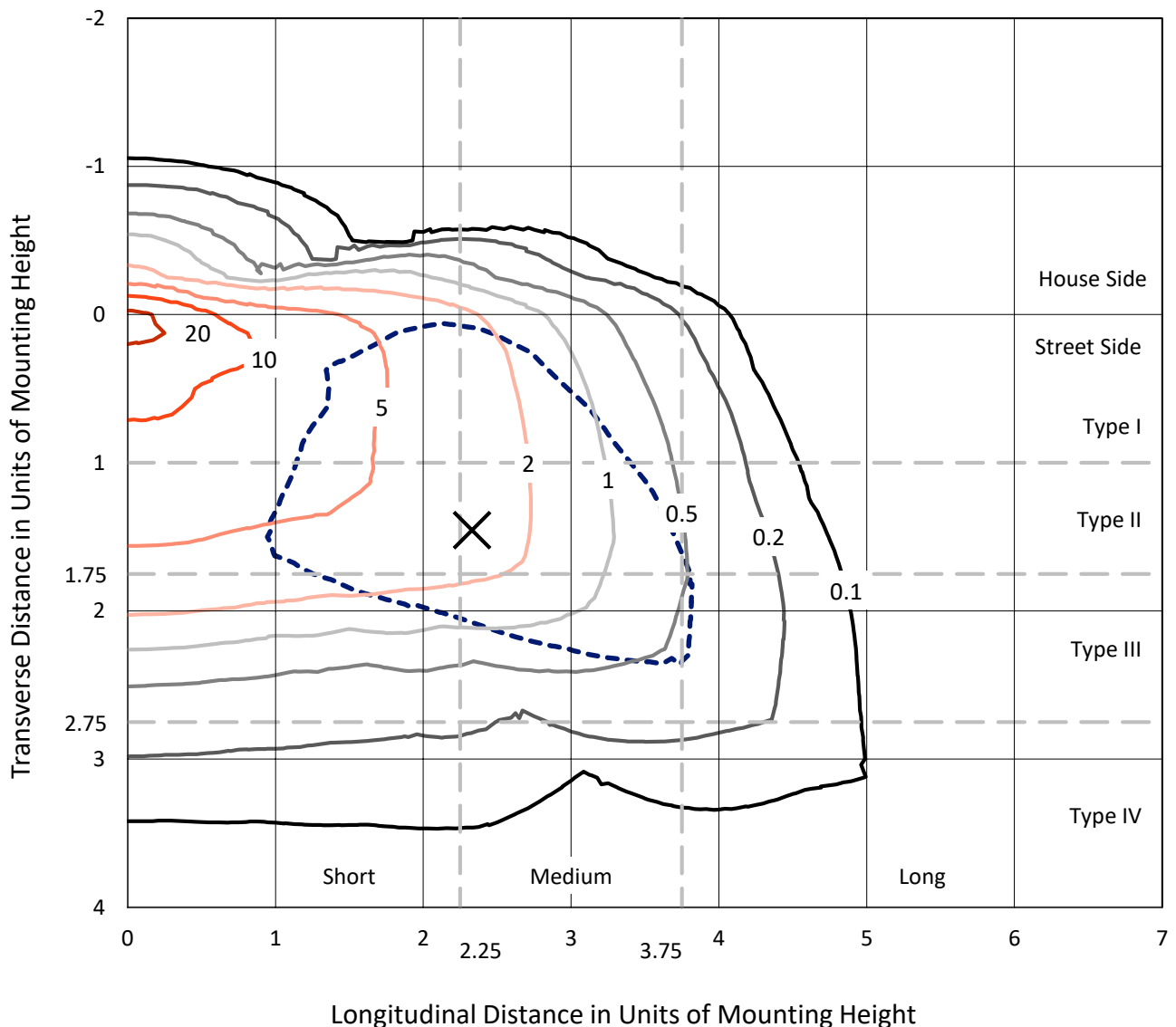
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

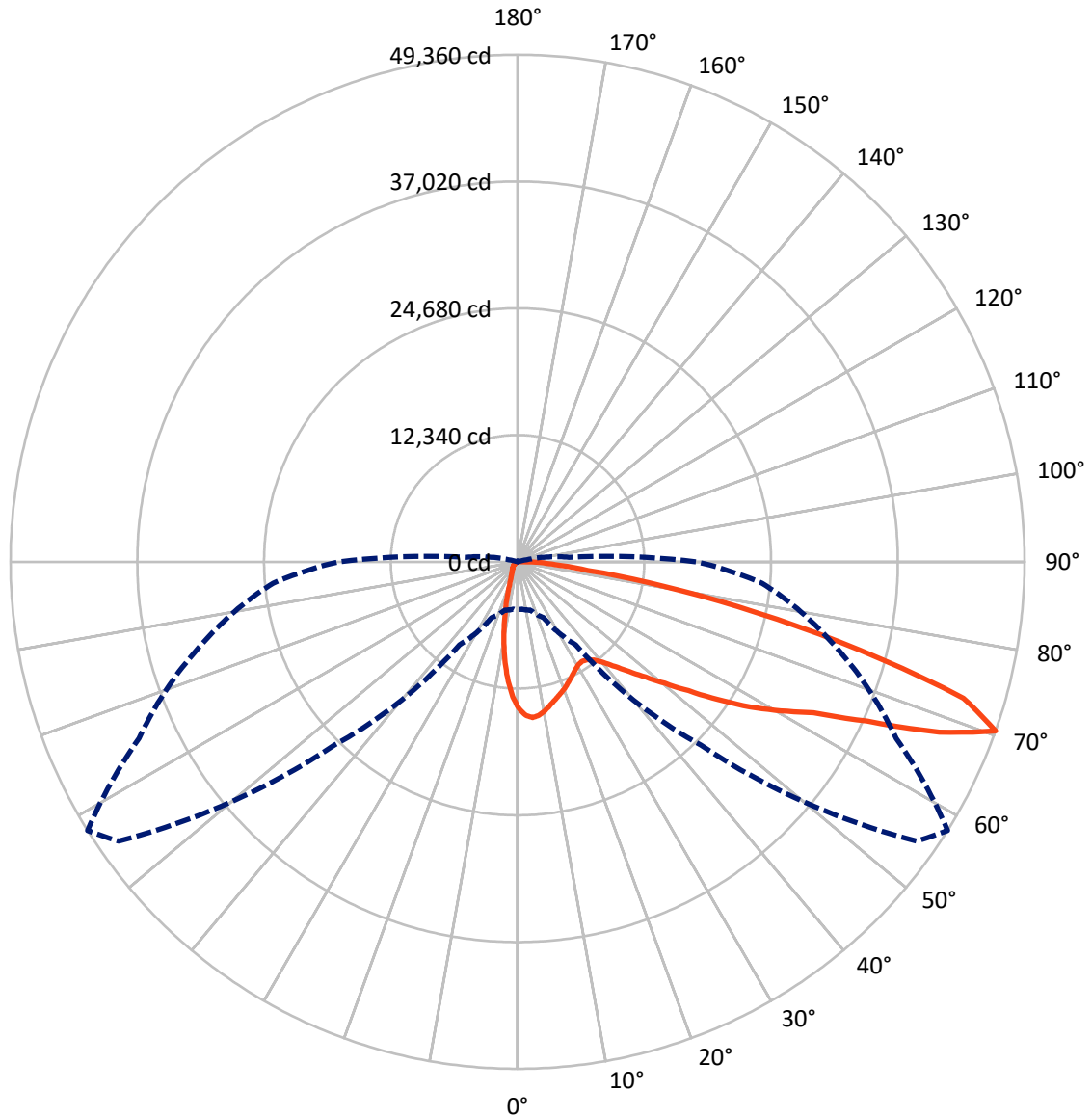
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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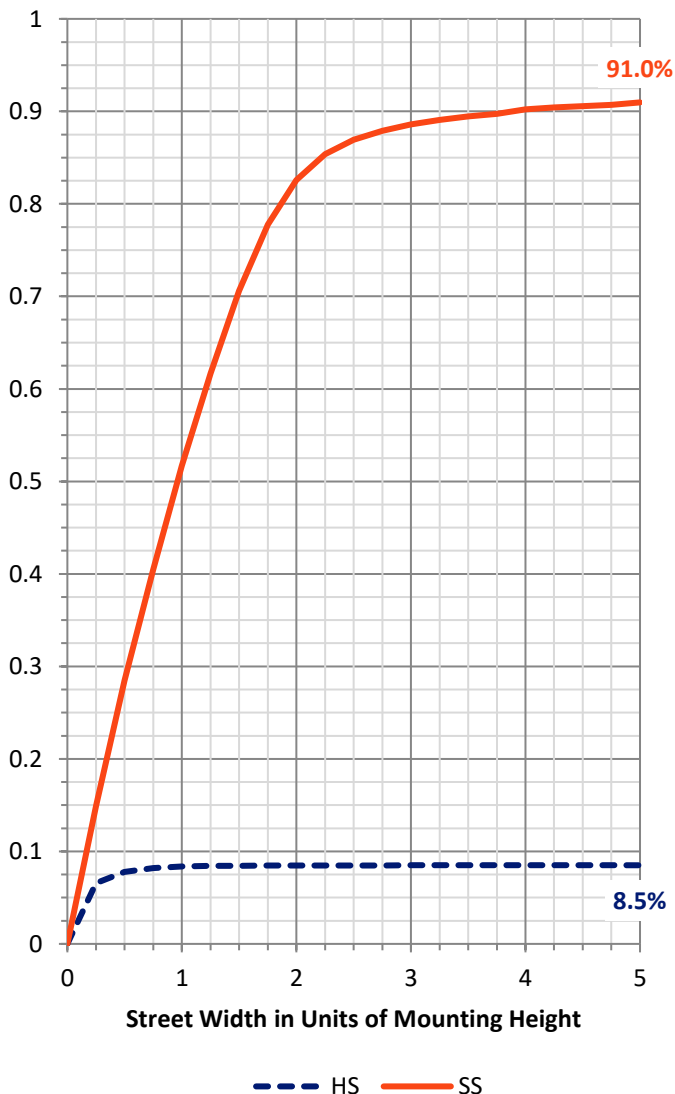
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4135.4	0.0	4135.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	44187.6	0.0	44187.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	48323.0	0.0	48323.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1167.3	2.4
10°-20°	2449.8	5.1
20°-30°	3220.7	6.7
30°-40°	4265.5	8.8
40°-50°	6375.5	13.2
50°-60°	10213.4	21.1
60°-70°	12873.9	26.6
70°-80°	6944.1	14.4
80°-90°	812.8	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°	48323.0	100.0
0°-180°	48323.0	100.0

Coefficient of Utilization

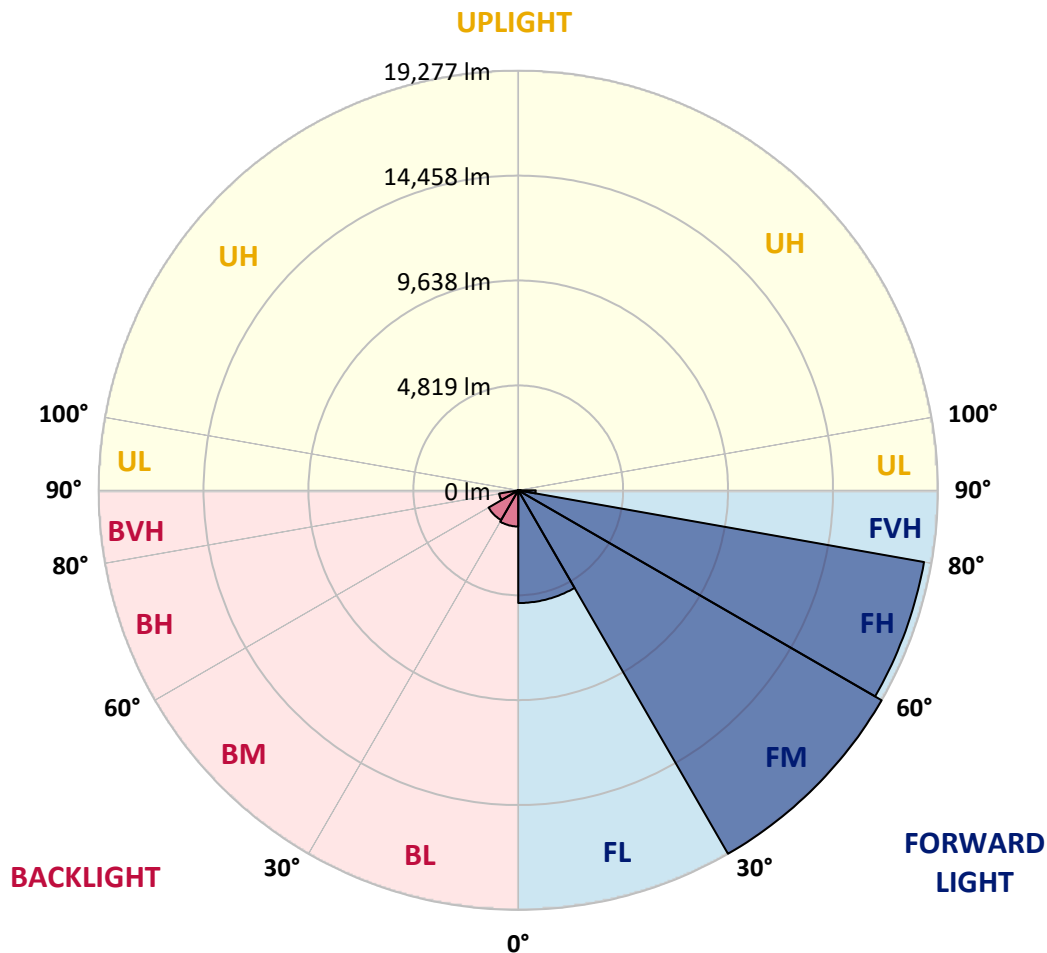


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5176.4	10.7			
FM (30°-60°)	19276.8	39.9			
FH (60°-80°)	18928.6	39.2			G5
FVH (80°-90°)	805.8	1.7			G5
BL (0°-30°)	1661.4	3.4	B3/2500		
BM (30°-60°)	1577.6	3.3	B2/2500		
BH (60°-80°)	889.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4
2.5°	15457.9	15419.7	15405.6	15381.5	15289.1	15198.7	15019.9	14969.6	14857.1	14589.9	14306.5
5°	15469.9	15467.9	15510.1	15500.1	15467.9	15425.7	15297.1	15230.8	15039.9	14658.2	14139.8
7.5°	14724.5	14762.7	14857.1	14933.5	15021.9	15136.4	15152.5	15088.2	14931.4	14519.5	13832.3
10°	13723.8	13784.1	13916.7	14067.4	14298.5	14527.6	14732.5	14724.5	14670.2	14264.3	13462.6
12.5°	12721.2	12791.5	12944.2	13167.2	13494.8	13868.5	14234.2	14284.4	14374.9	14035.3	13121.0
15°	11843.1	11903.4	12054.1	12327.3	12733.2	13235.6	13772.0	13864.5	14097.6	13856.4	12835.7
17.5°	11097.6	11135.8	11246.3	11549.7	12019.9	12628.7	13326.0	13506.8	13854.4	13715.8	12588.5
20°	10577.2	10583.2	10655.6	10868.5	11338.7	12019.9	12863.8	13123.0	13597.2	13595.2	12333.4
22.5°	10320.0	10299.9	10314.0	10436.5	10782.1	11439.2	12401.7	12709.1	13366.2	13492.8	12074.2
25°	10271.8	10255.7	10215.5	10231.6	10440.6	10930.8	11935.5	12291.2	13163.2	13430.5	11849.1
27.5°	10422.5	10438.5	10370.2	10297.9	10314.0	10601.3	11521.6	11933.5	12998.5	13430.5	11690.4
30°	10725.9	10733.9	10683.7	10589.2	10462.7	10508.9	11234.2	11646.2	12916.1	13522.9	11589.9
32.5°	11061.4	11105.6	11099.6	11023.3	10842.4	10655.6	11165.9	11541.7	12910.0	13727.8	11579.9
35°	11477.4	11527.6	11612.0	11595.9	11407.1	11099.6	11399.0	11694.4	13028.6	14065.4	11688.4
37.5°	11919.4	11995.8	12176.6	12263.0	12140.5	11792.8	11921.4	12132.4	13346.1	14612.0	11963.6
40°	12347.4	12433.8	12763.4	13102.9	13010.5	12652.8	12713.1	12881.9	13910.7	15397.6	12486.1
42.5°	12767.4	12896.0	13380.2	13938.8	14049.3	13764.0	13796.2	13930.8	14748.6	16478.6	13340.0
45°	13269.7	13414.4	14131.7	14820.9	15116.3	14991.7	15128.4	15216.8	15843.7	17907.3	14491.4
47.5°	14007.1	14173.9	15054.0	15839.7	16358.1	16438.4	16713.7	16772.0	17228.1	19571.0	15992.4
50°	15445.8	15492.0	16287.7	17001.1	17748.5	18230.8	18544.2	18588.4	18903.9	21389.5	17867.1
52.5°	17256.3	17286.4	17736.5	18214.7	19064.7	20049.2	20782.7	20844.9	20911.3	23161.7	19717.7
55°	19054.6	19050.6	19348.0	19629.3	20601.8	22032.5	23623.9	23662.0	23185.8	24843.5	21132.3
57.5°	20177.8	20286.3	20738.4	21100.1	22458.4	24293.0	26501.2	26641.9	25574.9	26089.3	22530.8
60°	19820.2	19872.4	20875.1	22213.3	24771.2	27505.9	29412.8	29449.0	27371.3	27333.1	24299.0
62.5°	16886.5	16914.7	18490.0	21248.8	25942.7	31673.3	32925.1	32336.4	29436.9	29059.1	26414.8
65°	11573.8	11756.7	13072.8	16482.7	23790.6	34287.5	38362.4	37387.9	32585.5	31546.7	28327.7
67.5°	6815.7	6777.5	7428.5	9940.2	17473.3	32551.4	45240.4	44271.9	36879.5	33212.5	27767.1
70°	4655.7	4629.5	4878.7	6018.0	9863.9	25251.4	47404.5	49359.6	40671.1	32091.2	23897.1
72.5°	3323.5	3337.5	3705.2	4675.7	6192.8	14712.4	40765.6	45393.1	39483.6	27976.1	18164.5
75°	2256.5	2294.7	2821.1	3835.8	5429.2	7484.8	28928.5	34506.5	32151.5	20332.6	10440.6
77.5°	1213.6	1255.8	1876.7	3090.4	4908.8	5200.2	18608.5	23748.4	20195.9	9140.5	3026.1
80°	506.4	530.5	878.1	2246.4	4241.7	4567.2	10948.9	14401.0	8606.0	1802.4	675.1
82.5°	219.0	231.1	365.7	1340.2	3170.7	3855.9	5797.0	6928.2	2608.1	395.8	339.6
85°	42.2	44.2	150.7	709.3	2023.4	2176.1	3757.5	3683.1	1171.4	170.8	247.1
87.5°	0.0	0.0	36.2	223.0	594.8	1185.5	2292.7	2264.5	397.9	82.4	92.4
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°	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4	14274.4
2.5°	14161.9	14023.2	13731.9	13372.2	13096.9	12793.5	12552.4	12247.0	12114.3	12120.4	12048.0
5°	13844.4	13559.1	12914.1	12100.3	11473.4	10826.3	10269.8	9715.2	9387.7	9281.2	9180.7
7.5°	13390.3	12938.2	11909.4	10655.6	9594.6	8557.8	7655.6	6861.9	6359.6	6114.4	6024.0
10°	12877.9	12242.9	10754.0	9102.3	7587.3	6184.8	5015.3	3998.6	3592.7	3317.4	3247.1
12.5°	12427.8	11567.8	9624.8	7508.9	5710.6	4018.7	2903.5	2270.6	1995.3	1886.8	1868.7
15°	12003.8	10936.9	8537.7	6066.2	3954.4	2473.5	1846.6	1631.6	1567.3	1549.2	1549.2
17.5°	11604.0	10336.1	7474.8	4645.6	2616.2	1734.1	1529.1	1480.9	1460.8	1458.8	1460.8
20°	11186.0	9735.3	6429.9	3403.8	1826.5	1468.8	1412.6	1386.4	1380.4	1380.4	1380.4
22.5°	10786.2	9134.5	5413.2	2431.3	1464.8	1340.2	1312.1	1294.0	1288.0	1286.0	1282.0
25°	10402.4	8563.8	4420.6	1718.0	1286.0	1227.7	1203.6	1179.5	1161.4	1151.4	1145.3
27.5°	10086.9	8055.5	3496.3	1378.4	1161.4	1111.2	1081.0	1044.9	1000.7	980.6	972.5
30°	9835.7	7591.3	2694.5	1163.4	1044.9	994.6	948.4	886.1	821.8	787.7	785.7
32.5°	9638.8	7135.2	2045.5	1028.8	940.4	878.1	811.8	733.4	659.1	620.9	618.9
35°	9542.4	6733.3	1563.3	930.3	847.9	769.6	687.2	600.8	528.5	492.3	488.3
37.5°	9606.7	6393.7	1219.7	847.9	769.6	679.2	582.7	492.3	428.0	395.8	393.8
40°	9841.8	6176.7	990.6	777.6	703.3	592.8	488.3	403.9	349.6	323.5	321.5
42.5°	10342.1	6096.4	845.9	719.3	639.0	512.4	405.9	333.6	283.3	265.2	261.2
45°	11178.0	6214.9	747.5	663.1	572.7	436.0	335.6	273.3	229.1	215.0	213.0
47.5°	12291.2	6526.4	677.1	608.8	512.4	367.7	279.3	221.0	186.9	172.8	170.8
50°	13725.8	7020.7	618.9	554.6	456.1	311.4	231.1	174.8	144.7	134.6	134.6
52.5°	15287.1	7609.4	566.6	504.3	399.9	259.2	186.9	134.6	114.5	102.5	102.5
55°	16577.1	8123.8	510.4	466.2	331.5	215.0	142.7	102.5	84.4	78.4	78.4
57.5°	17865.1	8672.3	446.1	399.9	265.2	174.8	108.5	76.4	62.3	58.3	58.3
60°	19534.9	9343.5	383.8	325.5	209.0	132.6	80.4	54.3	46.2	44.2	44.2
62.5°	21371.4	9737.3	327.5	261.2	162.8	98.5	58.3	36.2	34.2	34.2	32.1
65°	22494.6	9180.7	275.3	209.0	126.6	74.3	38.2	26.1	30.1	28.1	24.1
67.5°	21062.0	7187.4	225.0	162.8	98.5	56.3	24.1	18.1	32.1	26.1	20.1
70°	17439.1	5031.4	174.8	114.5	78.4	48.2	16.1	12.1	34.2	26.1	16.1
72.5°	13050.7	3367.7	138.6	76.4	58.3	42.2	14.1	6.0	30.1	22.1	14.1
75°	7131.2	1356.3	110.5	48.2	36.2	30.1	10.0	4.0	20.1	16.1	10.0
77.5°	1876.7	357.7	80.4	32.1	20.1	12.1	6.0	2.0	10.0	8.0	4.0
80°	478.2	138.6	52.2	22.1	14.1	6.0	0.0	0.0	2.0	0.0	0.0
82.5°	255.2	58.3	32.1	16.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	192.9	38.2	18.1	10.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	74.3	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)