

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: P527733

Luminaire Tested: **GLAN-SA2D-735-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-735-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10811 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

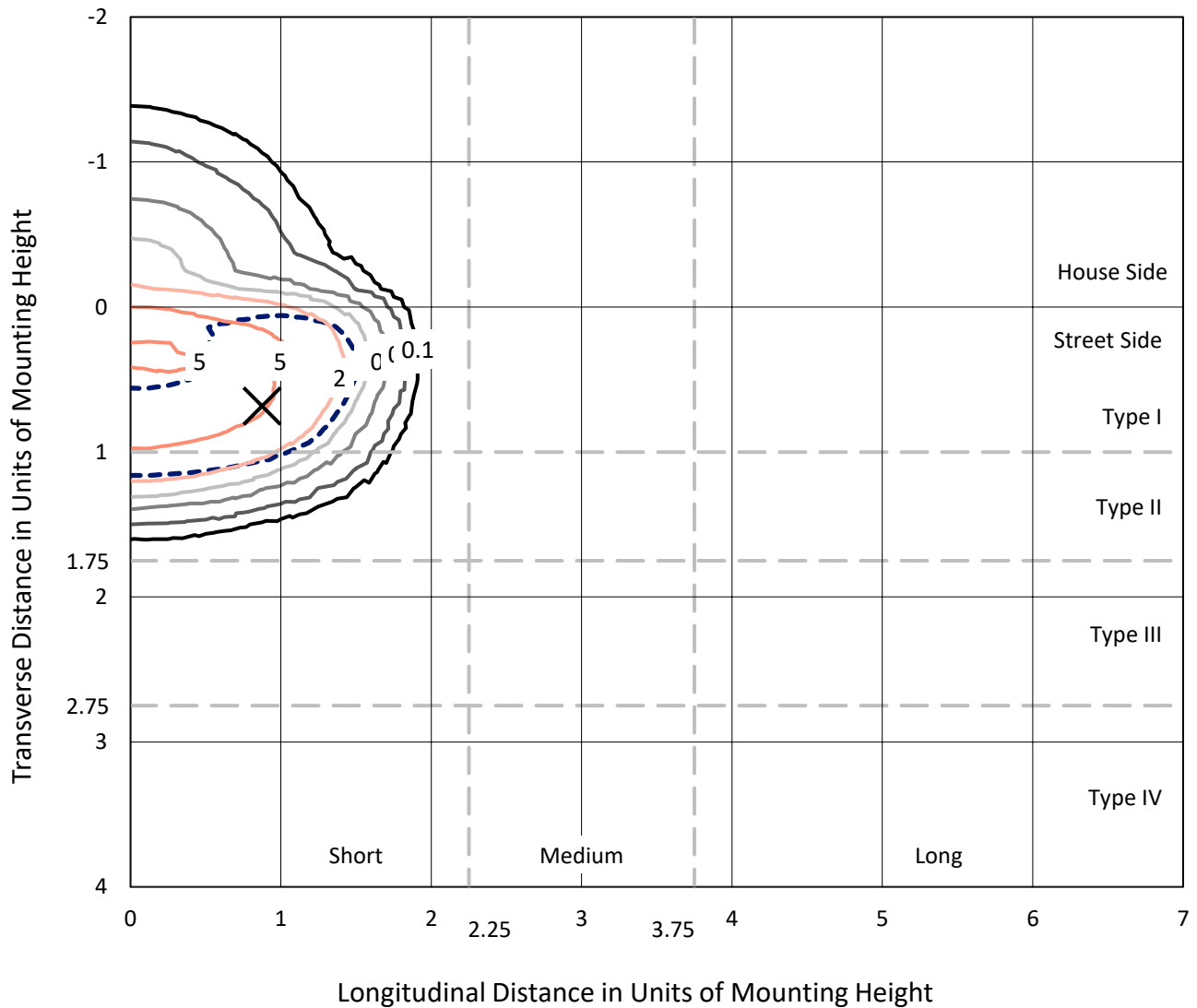
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

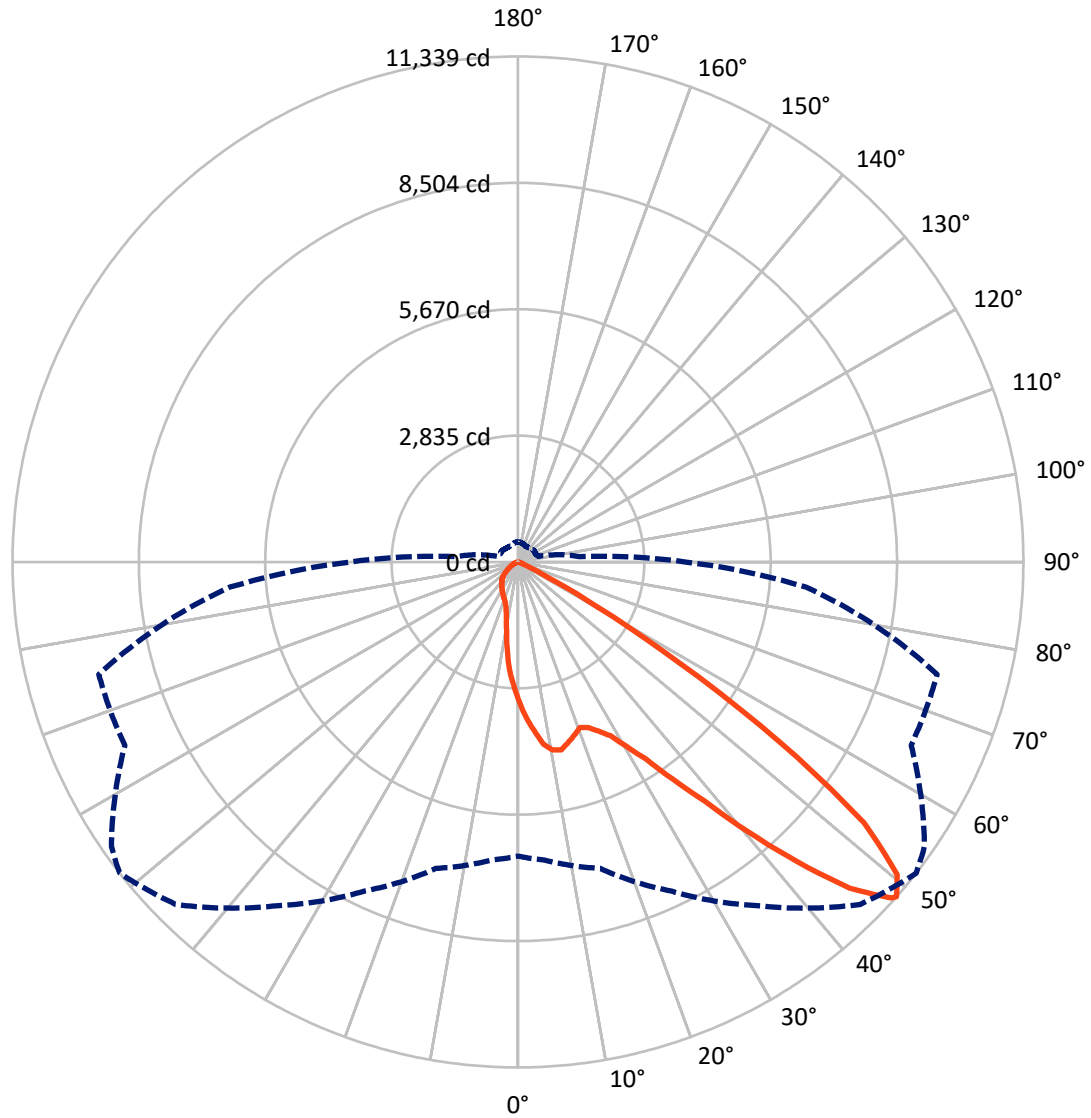
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 48-Deg Vertical

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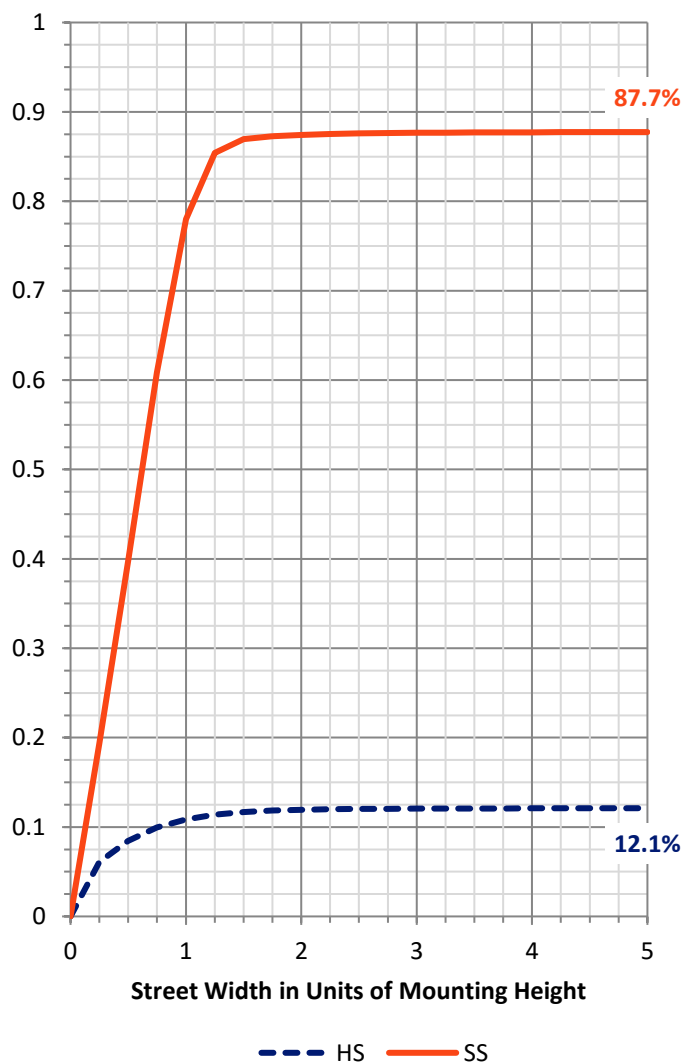
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1316.3	0.0	1316.3
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	9494.7	0.0	9494.7
	% Fixture	87.8	0.0	87.8
Total	Lumens	10811.0	0.0	10811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.8	2.6
10°-20°	746.8	6.9
20°-30°	1275.1	11.8
30°-40°	2348.0	21.7
40°-50°	3646.5	33.7
50°-60°	2194.6	20.3
60°-70°	253.8	2.3
70°-80°	49.1	0.5
80°-90°	11.4	0.1
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°	10811.0	100.0
0°-180°	10811.0	100.0

Coefficient of Utilization



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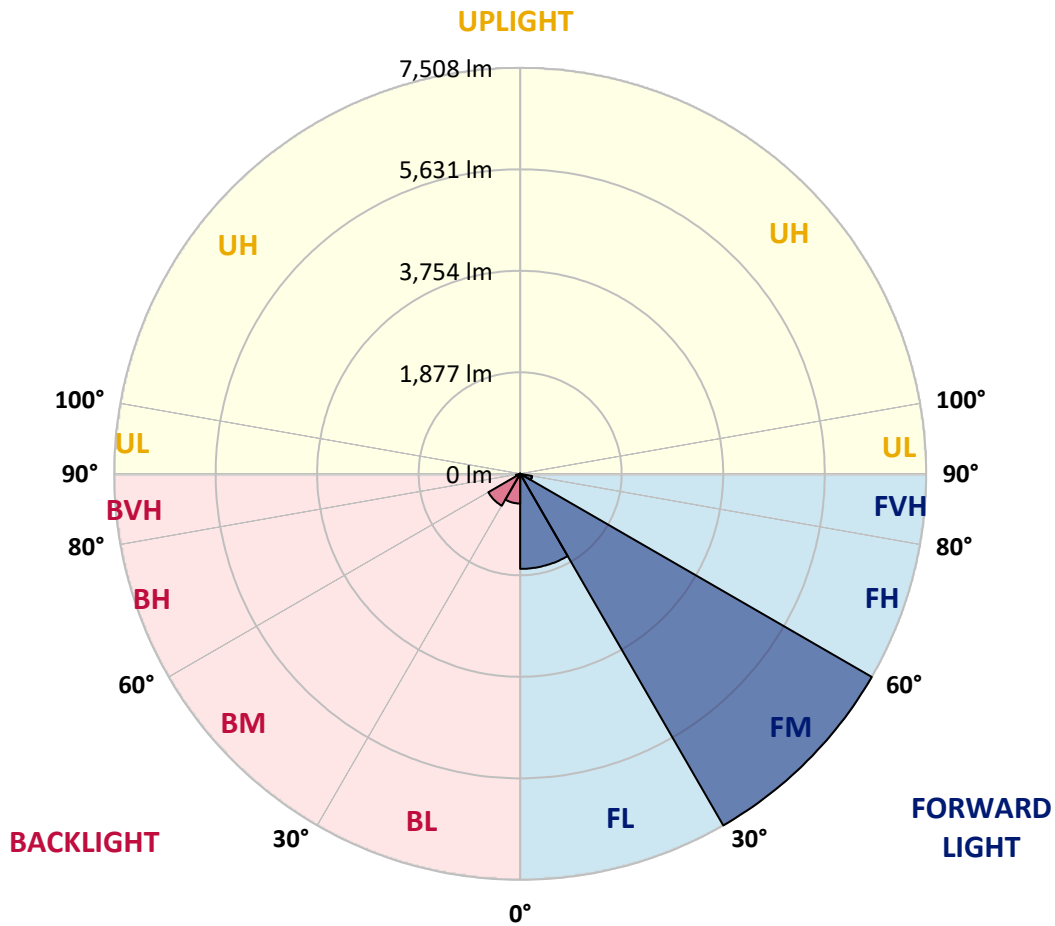
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1757.7	16.3			
FM (30°-60°)	7508.0	69.4			
FH (60°-80°)	223.5	2.1			G0/660
FVH (80°-90°)	5.4	0.1			G0/10
BL (0°-30°)	549.9	5.1	B2/1000		
BM (30°-60°)	681.1	6.3	B1/1000		
BH (60°-80°)	79.4	0.7	B0/110		G0/110
BVH (80°-90°)	6.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0
2.5°	3784.0	3697.3	3705.2	3648.4	3615.3	3561.7	3489.2	3475.1	3396.3	3289.1	3180.3
5°	4124.4	4103.9	4130.7	4048.7	4051.9	3963.6	3793.4	3796.6	3615.3	3440.4	3271.8
7.5°	4146.4	4099.2	4125.9	4198.4	4241.0	4225.2	4129.1	4045.6	3873.8	3616.9	3371.0
10°	3713.0	3802.9	3831.2	3951.0	4121.2	4300.9	4289.8	4294.6	4151.2	3815.5	3456.1
12.5°	3453.0	3393.1	3489.2	3561.7	3818.6	4166.9	4326.1	4360.8	4371.8	4007.7	3541.3
15°	3334.8	3334.8	3350.6	3371.0	3557.0	3878.5	4203.2	4304.0	4542.0	4259.9	3675.2
17.5°	3408.9	3405.7	3427.8	3385.2	3454.6	3702.0	4089.7	4204.7	4732.7	4507.3	3780.8
20°	3634.2	3645.3	3631.1	3508.2	3512.9	3698.8	3963.6	4144.9	4861.9	4721.7	3921.1
22.5°	3947.9	3954.2	3873.8	3739.8	3700.4	3791.8	4036.1	4174.8	4965.9	4978.6	3963.6
25°	4310.3	4285.1	4269.4	4080.2	3960.5	4039.3	4200.0	4280.4	5030.6	5199.2	4085.0
27.5°	4813.1	4762.6	4666.5	4497.9	4409.6	4297.7	4412.8	4545.2	5215.0	5508.1	4217.4
30°	5555.4	5511.2	5323.7	5106.2	4874.5	4764.2	4800.5	4873.0	5547.5	5865.8	4392.3
32.5°	6672.7	6579.8	6308.7	5894.2	5579.0	5274.8	5265.4	5342.6	5845.3	6360.7	4600.3
35°	7903.6	7875.2	7476.5	7049.4	6439.5	5969.9	5977.7	6018.7	6415.9	7010.0	4873.0
37.5°	8721.5	8877.6	8623.8	8165.2	7653.0	6981.6	6811.4	6825.6	7199.1	7779.1	5364.7
40°	9353.5	9221.1	9251.1	9143.9	8794.0	8337.0	7960.3	7886.3	8105.3	8630.1	5853.2
42.5°	9077.7	9084.0	9268.4	9522.1	9608.8	9575.7	9191.2	9050.9	8880.7	9326.7	6318.1
45°	8299.2	8461.5	8701.0	9372.4	9961.8	10515.0	10439.4	10206.1	9416.5	9878.3	6586.1
47.5°	7057.3	7051.0	7443.4	8316.5	9626.2	10921.6	11265.2	11101.3	9796.4	9816.8	6530.9
48°	6598.7	6712.1	7117.2	8144.7	9413.4	10861.7	11339.3	11132.8	9731.7	9734.9	6483.6
50°	4877.7	4857.2	5361.5	6622.3	8407.9	10206.1	11027.2	11188.0	9730.2	9320.4	6152.7
52.5°	2576.7	2665.0	3032.2	4163.8	5944.6	8352.7	9727.0	9977.6	9386.6	8642.7	5676.7
55°	1095.3	989.7	1271.8	1880.2	3344.3	5580.6	7136.1	7694.0	7936.7	7648.3	4965.9
57.5°	390.8	427.1	491.7	707.6	1405.8	3054.3	4255.2	4688.6	5498.6	5612.1	3383.7
60°	250.6	255.3	275.8	324.7	528.0	1177.3	2018.8	2364.0	2731.2	2819.4	1579.1
62.5°	193.8	195.4	204.9	212.8	250.6	457.0	758.1	898.3	933.0	802.2	414.5
65°	162.3	163.9	167.1	167.1	178.1	214.3	264.8	291.6	283.7	280.5	234.8
67.5°	124.5	127.7	134.0	134.0	140.3	130.8	146.6	156.0	176.5	214.3	200.2
70°	97.7	99.3	104.0	107.2	107.2	94.6	105.6	115.0	129.2	159.2	157.6
72.5°	75.6	78.8	82.0	82.0	77.2	64.6	75.6	83.5	93.0	110.3	107.2
75°	58.3	58.3	59.9	48.9	37.8	33.1	45.7	55.2	69.3	72.5	59.9
77.5°	15.8	17.3	15.8	14.2	15.8	23.6	29.9	34.7	44.1	44.1	39.4
80°	0.0	1.6	4.7	9.5	15.8	22.1	26.8	29.9	34.7	37.8	36.2
82.5°	0.0	1.6	4.7	9.5	14.2	17.3	23.6	25.2	28.4	33.1	33.1
85°	0.0	1.6	3.2	6.3	9.5	11.0	11.0	9.5	9.5	7.9	6.3
87.5°	0.0	0.0	1.6	3.2	3.2	4.7	4.7	4.7	4.7	4.7	4.7
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°	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0	3122.0
2.5°	3137.8	3088.9	3014.9	2898.2	2786.4	2713.9	2644.5	2567.3	2524.7	2521.6	2497.9
5°	3175.6	3065.3	2888.8	2688.6	2474.3	2289.9	2103.9	1982.6	1873.9	1814.0	1802.9
7.5°	3196.1	3052.7	2767.4	2431.8	2066.1	1765.1	1557.1	1404.2	1344.3	1300.2	1298.6
10°	3238.7	3030.6	2586.2	2091.3	1639.0	1334.9	1191.4	1122.1	1089.0	1076.4	1057.5
12.5°	3270.2	2989.7	2400.2	1741.5	1295.5	1106.3	1043.3	1027.5	1029.1	1035.4	1027.5
15°	3314.3	2953.4	2149.7	1429.4	1087.4	996.0	996.0	999.2	1021.2	1024.4	1022.8
17.5°	3311.2	2882.5	1891.2	1177.3	961.4	948.7	953.5	983.4	997.6	1002.3	991.3
20°	3349.0	2816.3	1624.8	1005.5	890.4	909.3	940.9	948.7	966.1	969.2	956.6
22.5°	3337.9	2650.8	1377.4	869.9	836.9	873.1	904.6	914.1	909.3	899.9	898.3
25°	3317.5	2509.0	1150.5	780.1	797.5	836.9	866.8	849.5	840.0	841.6	843.2
27.5°	3281.2	2329.3	962.9	717.1	743.9	802.2	800.6	794.3	803.8	795.9	803.8
30°	3274.9	2149.7	808.5	660.3	704.5	747.0	750.2	761.2	772.2	758.1	772.2
32.5°	3284.4	1952.7	698.2	625.7	680.8	682.4	717.1	728.1	720.2	688.7	691.9
35°	3356.9	1801.4	617.8	606.8	643.0	644.6	677.7	663.5	628.8	609.9	620.9
37.5°	3509.7	1675.3	580.0	589.4	592.6	613.1	614.6	586.3	589.4	587.8	594.1
40°	3705.2	1579.1	553.2	573.7	570.5	584.7	528.0	543.7	557.9	562.6	565.8
42.5°	3839.1	1509.8	535.8	548.4	542.1	516.9	485.4	501.2	512.2	529.5	532.7
45°	3899.0	1454.6	515.3	504.3	504.3	458.6	446.0	449.2	474.4	493.3	490.1
47.5°	3801.3	1401.1	479.1	446.0	457.0	419.2	405.0	405.0	431.8	455.5	450.7
48°	3763.5	1379.0	480.7	433.4	441.3	412.9	398.7	395.6	425.5	447.6	447.6
50°	3575.9	1297.0	439.7	398.7	383.0	379.8	370.4	373.5	392.4	412.9	412.9
52.5°	3210.3	1120.5	371.9	342.0	313.6	332.5	337.3	331.0	340.4	359.3	357.7
55°	2679.2	860.5	297.9	283.7	261.6	282.1	291.6	283.7	274.2	288.4	288.4
57.5°	1716.3	463.3	238.0	241.1	219.1	239.6	247.4	228.5	211.2	222.2	220.6
60°	773.8	277.4	195.4	190.7	176.5	200.2	212.8	190.7	167.1	174.9	182.8
62.5°	290.0	197.0	148.1	145.0	141.8	163.9	170.2	152.9	129.2	134.0	135.5
65°	212.8	173.4	118.2	107.2	113.5	129.2	126.1	108.7	93.0	93.0	96.1
67.5°	181.2	151.3	96.1	83.5	83.5	85.1	78.8	69.3	64.6	67.8	70.9
70°	141.8	119.8	75.6	64.6	58.3	52.0	45.7	44.1	39.4	44.1	42.6
72.5°	91.4	80.4	58.3	48.9	44.1	36.2	29.9	28.4	23.6	22.1	22.1
75°	48.9	48.9	45.7	39.4	34.7	28.4	23.6	18.9	12.6	9.5	9.5
77.5°	34.7	37.8	41.0	37.8	31.5	23.6	18.9	12.6	6.3	3.2	3.2
80°	33.1	37.8	41.0	36.2	31.5	23.6	17.3	9.5	4.7	1.6	1.6
82.5°	29.9	34.7	37.8	33.1	28.4	20.5	15.8	9.5	4.7	1.6	1.6
85°	6.3	7.9	9.5	9.5	11.0	14.2	11.0	7.9	3.2	1.6	1.6
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	3.2	3.2	1.6	1.6	1.6
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)