

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: P319637

Luminaire Tested: **GAN-SA3B-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15888 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

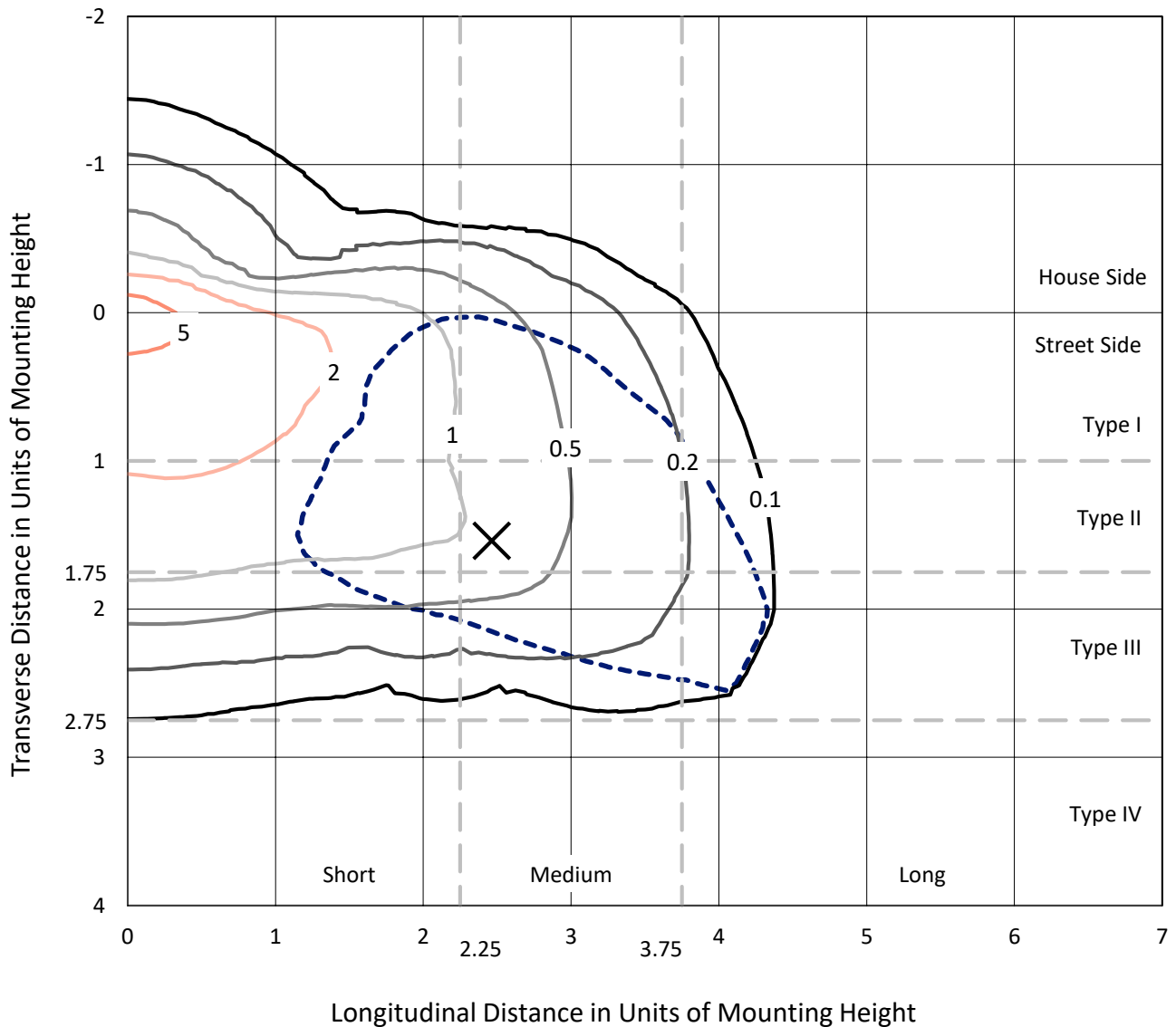
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

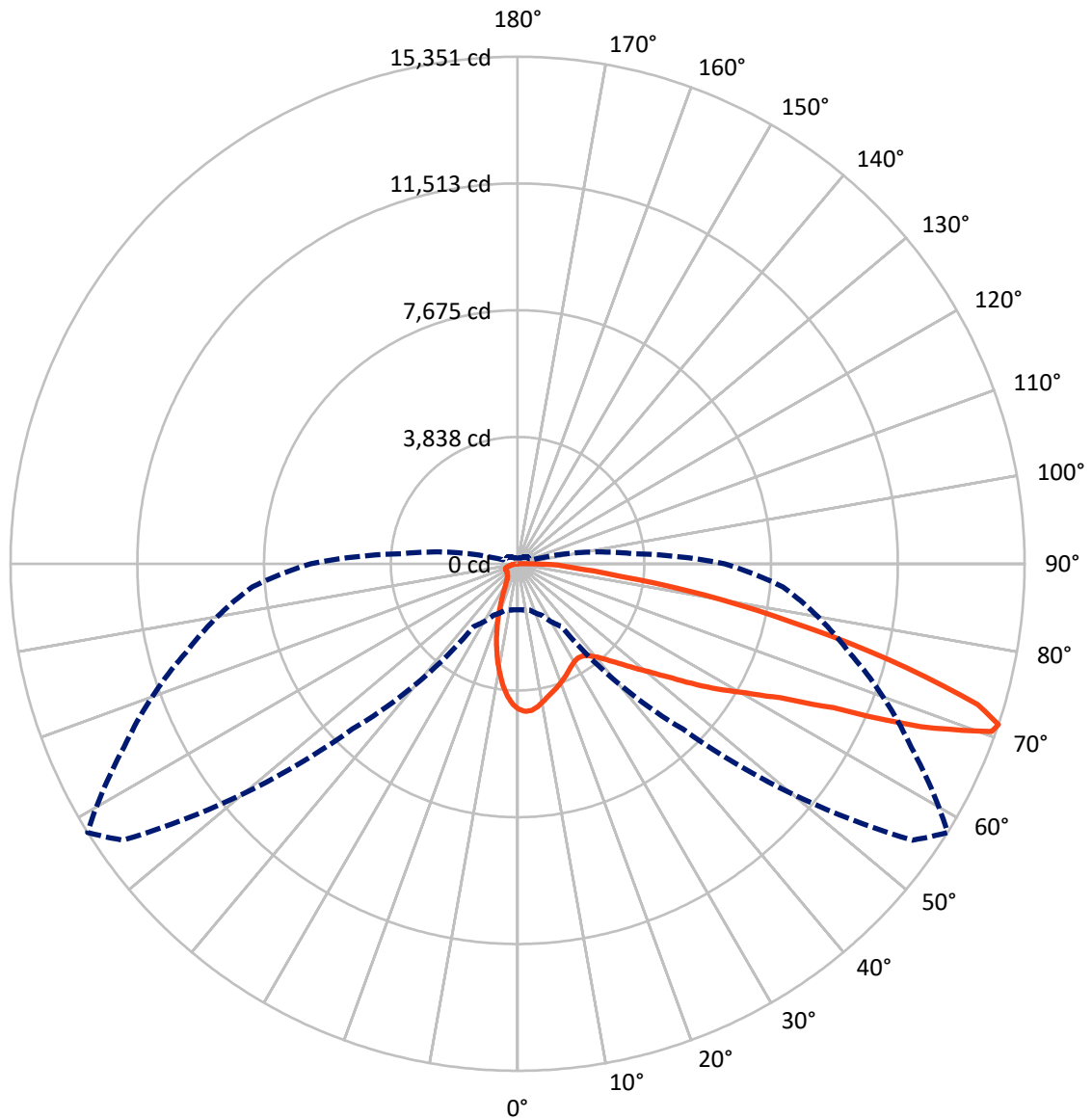
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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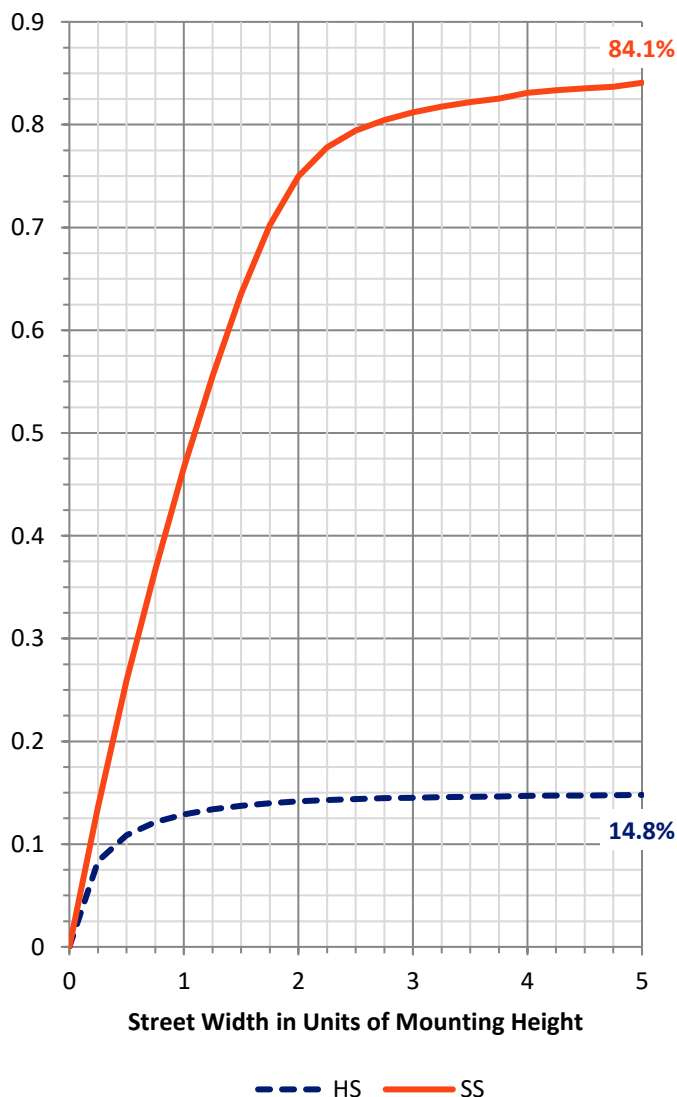
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2375.4	0.0	2375.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	13512.6	0.0	13512.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	15888.0	0.0	15888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.8	2.4
10°-20°	844.4	5.3
20°-30°	1073.2	6.8
30°-40°	1367.1	8.6
40°-50°	1938.6	12.2
50°-60°	3000.0	18.9
60°-70°	4084.1	25.7
70°-80°	2724.6	17.1
80°-90°	476.3	3.0
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°	15888.0	100.0
0°-180°	15888.0	100.0

Coefficient of Utilization

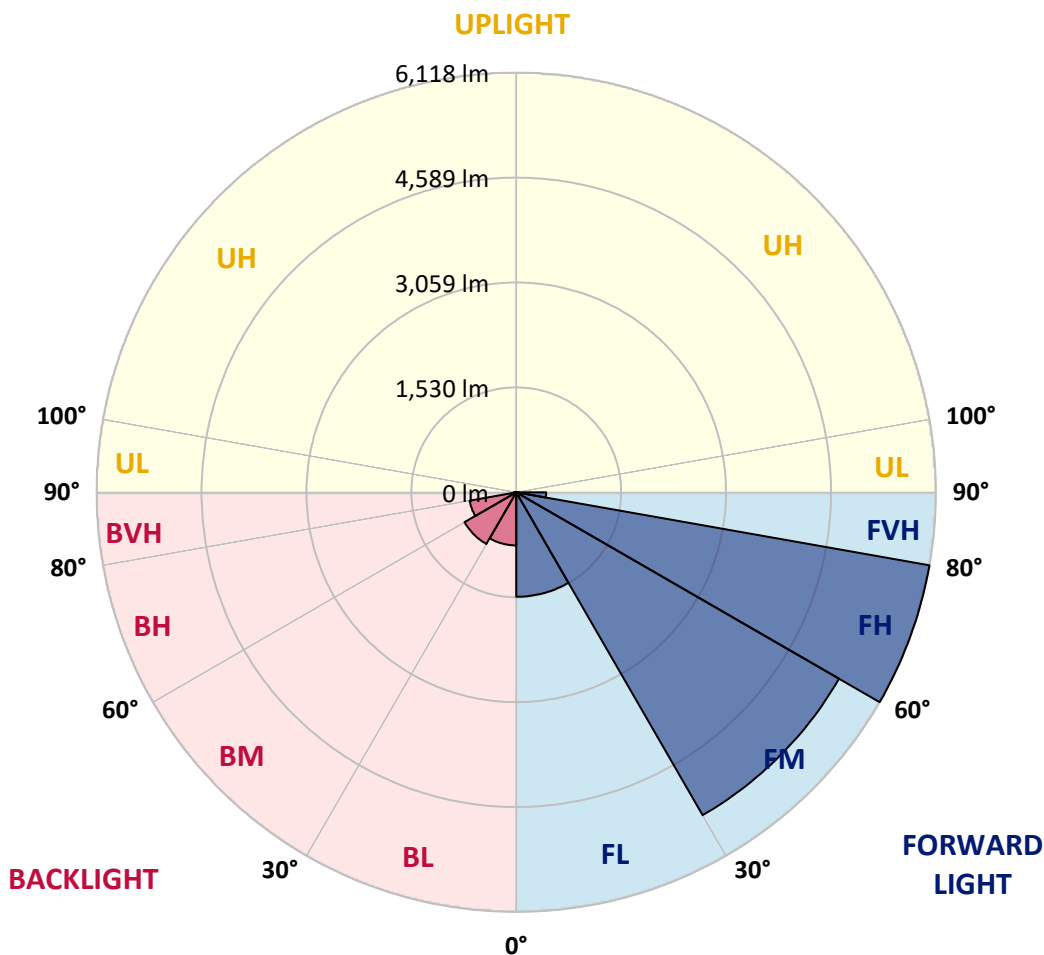


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.1	9.6			
FM (30°-60°)	5434.5	34.2			
FH (60°-80°)	6118.3	38.5			G3/7500
FVH (80°-90°)	436.8	2.7			G3/500
BL (0°-30°)	774.3	4.9	B2/1000		
BM (30°-60°)	871.1	5.5	B1/1000		
BH (60°-80°)	690.4	4.3	B2/1000		G2/1000
BVH (80°-90°)	39.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0
2.5°	4518.8	4512.7	4514.9	4510.5	4500.0	4489.5	4474.0	4476.8	4455.2	4423.1	4383.2
5°	4433.6	4431.4	4448.0	4457.4	4465.1	4459.0	4454.6	4460.1	4428.6	4384.3	4315.1
7.5°	4254.8	4230.5	4251.5	4283.0	4312.9	4335.6	4365.5	4369.4	4349.5	4303.0	4212.2
10°	4000.8	3977.6	4008.5	4057.8	4117.6	4171.8	4232.1	4243.2	4247.1	4205.0	4094.9
12.5°	3737.4	3719.7	3750.6	3819.8	3918.9	4002.5	4098.8	4115.4	4149.7	4121.4	3986.4
15°	3501.6	3495.0	3532.6	3600.7	3714.7	3842.5	3981.4	4011.9	4070.0	4060.6	3901.7
17.5°	3297.9	3296.3	3325.0	3396.4	3522.6	3684.2	3864.7	3916.1	4002.5	4013.5	3832.0
20°	3146.3	3143.0	3162.9	3215.5	3345.5	3528.7	3738.5	3809.3	3933.8	3972.6	3760.1
22.5°	3064.9	3064.4	3064.9	3089.8	3196.1	3366.6	3615.6	3701.9	3866.9	3939.9	3680.4
25°	3051.1	3049.4	3037.3	3034.5	3094.8	3231.0	3493.8	3589.0	3803.2	3917.2	3604.5
27.5°	3087.1	3089.3	3073.2	3047.2	3059.4	3141.9	3388.1	3490.0	3752.3	3912.8	3552.0
30°	3161.8	3160.7	3146.8	3119.7	3095.9	3108.7	3312.9	3414.7	3718.0	3932.2	3516.0
32.5°	3244.2	3250.3	3247.6	3232.6	3197.2	3146.3	3290.2	3389.8	3708.0	3978.7	3500.5
35°	3343.3	3350.0	3369.9	3381.5	3340.0	3258.1	3338.9	3425.2	3736.8	4066.1	3525.4
37.5°	3437.4	3454.6	3510.5	3559.7	3524.3	3433.0	3468.4	3529.8	3825.9	4203.9	3592.4
40°	3545.9	3560.8	3652.1	3756.7	3751.2	3656.6	3677.0	3718.0	3983.1	4401.5	3713.6
42.5°	3652.7	3682.6	3814.8	3963.2	4005.8	3922.2	3954.9	3976.4	4204.5	4663.3	3925.0
45°	3794.9	3827.0	4010.8	4189.5	4289.1	4242.1	4294.1	4302.4	4482.8	5019.7	4232.1
47.5°	4010.2	4046.7	4260.9	4448.5	4600.7	4605.7	4691.5	4688.2	4830.4	5427.6	4619.0
50°	4345.6	4398.2	4573.6	4749.0	4933.9	5036.8	5151.4	5135.3	5247.1	5862.0	5064.5
52.5°	4785.0	4809.4	4939.4	5068.9	5298.6	5529.4	5693.8	5679.4	5719.8	6308.6	5570.3
55°	5240.5	5258.8	5312.4	5383.3	5692.1	6068.4	6416.0	6393.3	6290.9	6772.4	6070.1
57.5°	5650.0	5687.1	5724.2	5753.5	6088.4	6631.8	7154.8	7156.5	6910.8	7272.7	6586.5
60°	5713.7	5746.3	5991.5	6222.8	6766.3	7383.4	7945.7	7929.1	7552.2	7815.6	7162.0
62.5°	5050.7	5124.3	5533.8	6149.2	7419.4	8758.1	8954.6	8934.1	8319.3	8484.7	7832.2
65°	3619.5	3703.0	4197.3	5122.1	7102.8	10272.9	10775.4	10499.8	9365.3	9307.7	8617.0
67.5°	2088.1	2108.0	2322.2	3064.9	5408.2	10352.0	13553.1	13167.4	10989.6	10241.4	9001.1
70°	1544.1	1543.5	1594.5	1886.1	2926.6	8448.8	14874.2	15220.1	12699.7	10548.5	8458.2
71°	1396.3	1398.0	1455.0	1716.8	2317.8	7071.8	14593.6	15350.7	13150.2	10396.9	8065.2
72.5°	1194.3	1199.9	1279.0	1539.7	1949.8	4876.9	13384.9	14567.0	13363.8	10022.7	7450.4
75°	906.0	918.7	1028.3	1297.8	1782.1	2473.3	9823.5	11632.1	11871.8	8843.9	5536.0
77.5°	646.4	660.8	784.8	1091.4	1694.1	1864.0	6578.7	8484.7	8736.6	5667.7	2497.1
80°	408.4	425.6	519.1	868.3	1591.7	1769.9	4134.2	5703.2	4764.0	1813.6	635.3
82.5°	239.6	252.9	322.1	567.3	1300.0	1704.6	2432.4	3161.2	1854.0	547.9	288.9
85°	138.9	145.0	200.9	361.4	944.2	1608.8	1787.0	1767.1	804.7	267.9	136.7
87.5°	64.8	71.9	119.0	188.7	524.1	1166.1	1412.4	1220.3	500.3	125.6	64.2
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°	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0	4402.0
2.5°	4363.9	4354.4	4315.1	4280.3	4243.8	4196.2	4143.6	4136.9	4104.8	4110.9	4099.9
5°	4277.5	4253.7	4159.1	4073.3	3972.0	3881.3	3782.7	3737.4	3672.1	3667.6	3651.0
7.5°	4154.1	4109.8	3963.2	3800.5	3637.7	3482.8	3329.5	3228.8	3125.8	3082.1	3078.2
10°	4015.2	3939.9	3724.1	3483.3	3248.7	3022.3	2803.2	2641.0	2494.9	2425.7	2422.9
12.5°	3883.5	3772.2	3476.1	3148.5	2827.5	2534.2	2233.7	2020.6	1837.4	1776.0	1750.0
15°	3771.7	3615.1	3234.8	2815.9	2426.3	2018.9	1676.9	1452.8	1283.4	1224.8	1213.7
17.5°	3663.2	3461.7	2987.5	2480.0	2009.0	1561.2	1218.7	1052.1	961.9	938.1	937.5
20°	3555.3	3304.0	2729.0	2136.3	1605.5	1167.8	937.0	862.3	831.8	829.0	824.6
22.5°	3433.0	3136.9	2457.3	1791.5	1253.0	918.2	796.4	766.5	762.6	772.6	772.6
25°	3318.4	2970.8	2181.6	1453.9	974.6	766.0	711.2	705.1	715.6	733.3	735.0
27.5°	3211.6	2810.9	1912.7	1153.9	780.9	674.6	651.9	659.1	678.0	698.4	699.0
30°	3123.6	2659.8	1651.5	909.3	659.7	606.6	602.7	617.1	637.6	653.6	657.5
32.5°	3055.5	2530.9	1399.1	731.1	580.6	555.7	559.0	571.1	583.9	592.7	598.8
35°	3024.0	2420.2	1166.1	616.5	530.2	516.4	520.8	527.4	533.0	539.6	544.6
37.5°	3029.5	2334.4	958.0	545.1	496.4	489.2	489.2	489.2	489.2	492.6	493.1
40°	3081.0	2285.1	788.6	499.8	473.7	466.0	459.9	454.4	449.9	452.2	451.1
42.5°	3212.7	2280.7	664.7	471.0	455.5	442.7	430.6	422.8	417.3	419.5	420.6
45°	3436.3	2336.1	581.1	450.5	438.3	419.0	403.5	395.2	391.3	398.5	399.6
47.5°	3725.7	2456.7	530.2	435.6	422.3	396.8	380.2	372.5	373.6	384.1	386.9
50°	4098.8	2652.6	505.8	426.1	411.2	378.0	360.8	354.2	357.5	372.5	375.8
52.5°	4508.3	2934.9	508.6	423.4	404.0	364.2	345.9	338.2	343.7	357.5	360.3
55°	4980.9	3274.1	554.5	427.3	393.5	355.3	333.7	320.4	324.9	337.6	339.8
57.5°	5506.1	3662.6	647.0	426.1	380.2	347.0	321.0	301.1	304.4	312.1	314.4
60°	6052.9	4132.0	790.3	429.5	374.1	337.0	303.8	278.9	277.8	284.5	285.6
62.5°	6709.3	4674.9	954.1	431.7	378.0	324.3	281.1	256.8	253.5	255.1	256.2
65°	7385.6	5067.8	892.7	422.8	390.2	313.8	261.2	235.2	229.1	228.0	228.6
67.5°	7406.6	4646.7	625.9	405.1	395.2	308.3	246.3	216.9	207.0	203.1	202.6
70°	6642.4	3775.0	487.6	386.3	375.2	299.4	232.4	202.0	187.1	181.0	180.4
71°	6269.3	3475.0	462.1	376.9	360.3	290.6	226.4	195.4	179.9	173.2	172.1
72.5°	5684.4	3115.3	431.1	361.9	331.5	267.9	214.7	186.0	169.9	162.2	160.5
75°	4079.4	2037.2	370.2	322.7	274.5	213.6	188.2	167.1	153.3	143.9	142.8
77.5°	1571.8	810.8	280.0	268.4	210.3	167.1	155.0	144.4	134.5	125.1	124.5
80°	485.9	362.5	204.2	202.0	152.2	124.5	120.6	117.9	114.0	104.0	101.8
82.5°	259.6	208.1	140.6	130.6	99.6	83.0	87.4	88.5	89.1	78.6	77.5
85°	124.0	110.1	79.1	74.2	58.1	46.5	53.7	58.1	58.7	48.1	44.8
87.5°	59.2	57.6	37.1	28.2	21.6	15.5	18.8	23.2	25.5	18.3	16.0
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)