

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: P653764

Luminaire Tested: **GLAN-SA3A-840-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-840-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9712.7 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

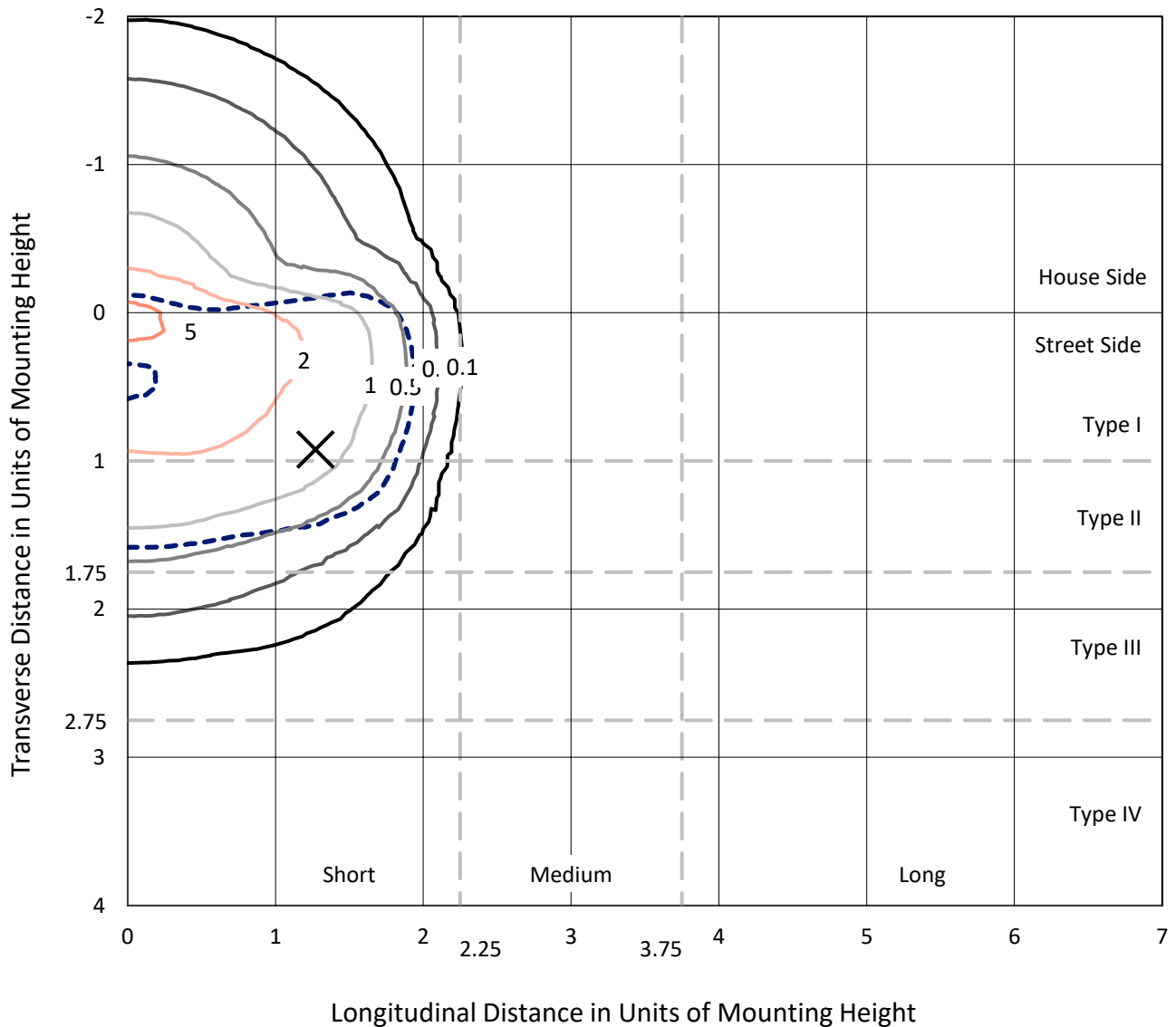
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

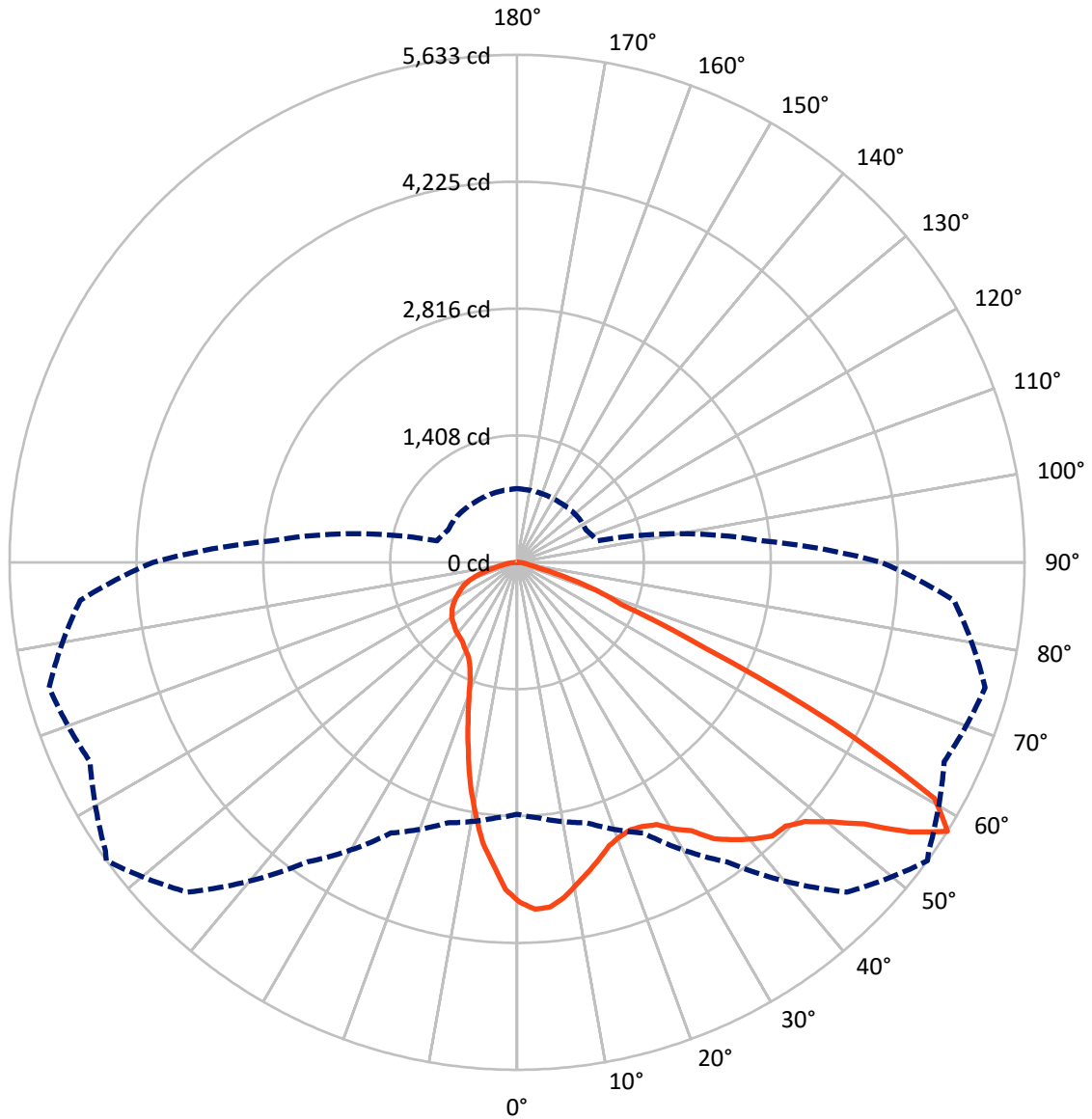
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

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CATALOG NUMBER: GLAN-SA3A-840-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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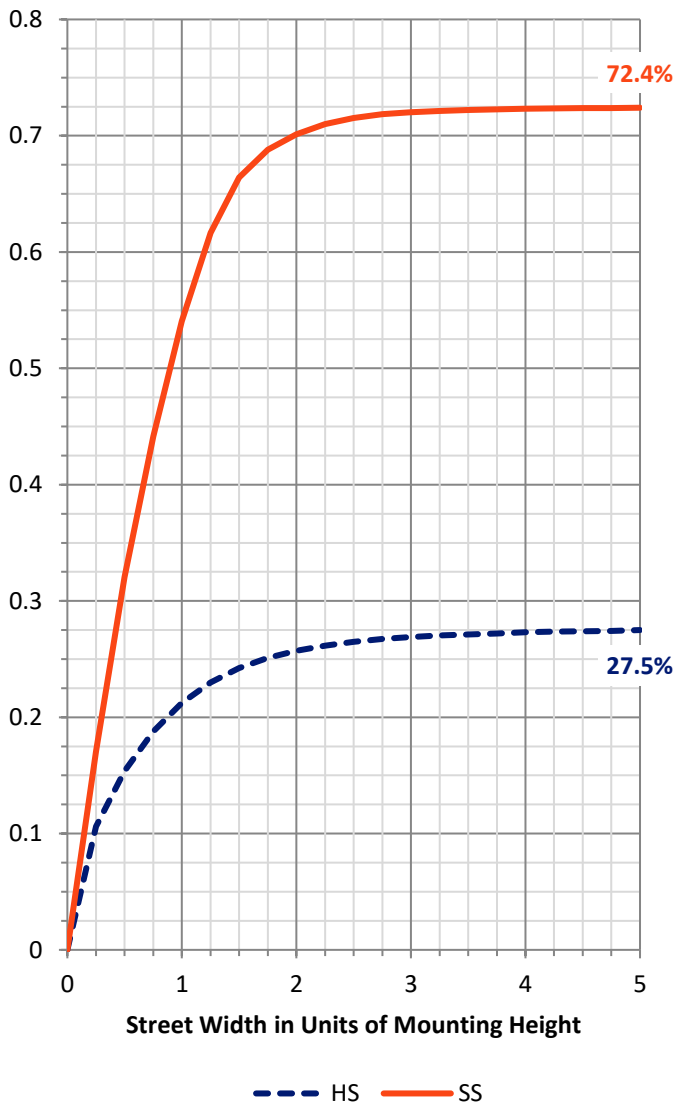
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2687.1	0.0	2687.1
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	7025.6	0.0	7025.6
	% Fixture	72.3	0.0	72.3
Total	Lumens	9712.7	0.0	9712.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.6	3.4
10°-20°	753.8	7.8
20°-30°	1059.1	10.9
30°-40°	1480.7	15.2
40°-50°	2004.6	20.6
50°-60°	2441.6	25.1
60°-70°	1271.7	13.1
70°-80°	325.9	3.4
80°-90°	49.7	0.5
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°	9712.7	100.0
0°-180°	9712.7	100.0

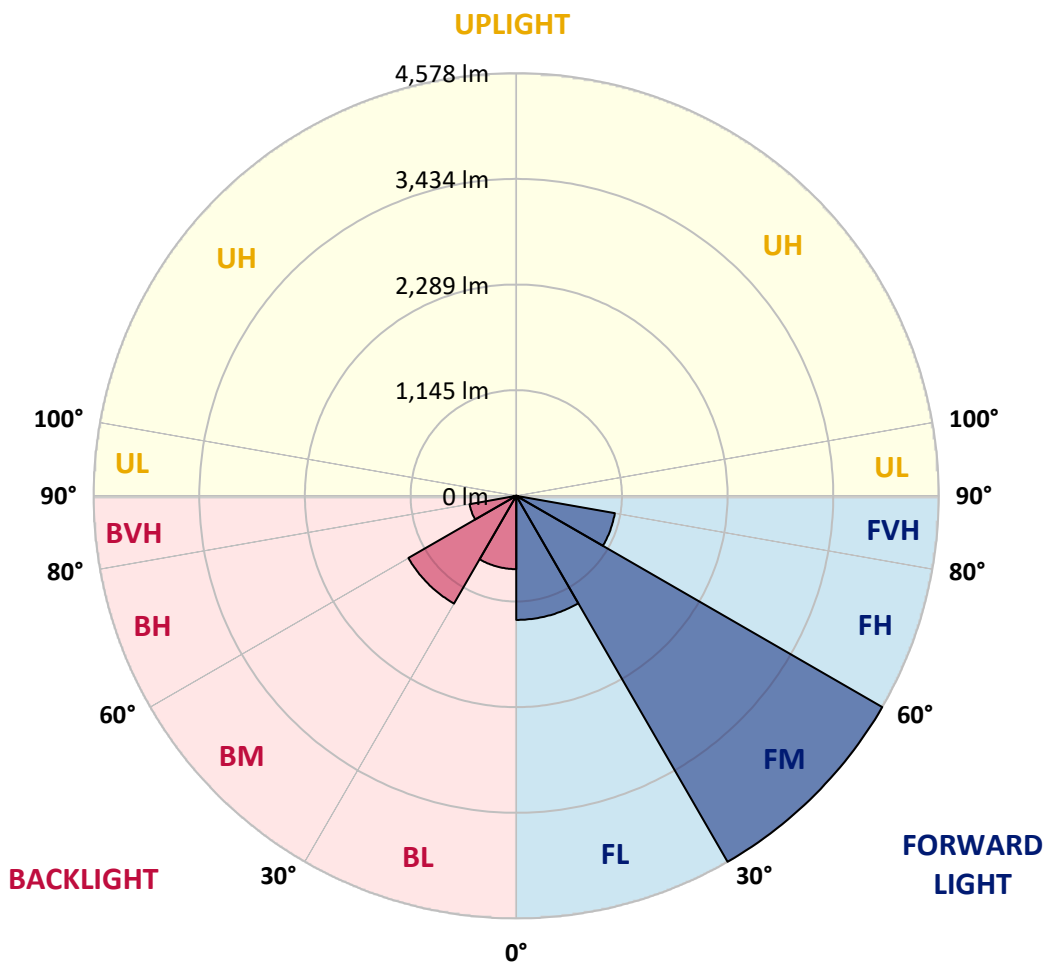


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.4	13.8			
FM (30°-60°)	4578.3	47.1			
FH (60°-80°)	1084.2	11.2			G1/1800
FVH (80°-90°)	18.8	0.2			G1/100
BL (0°-30°)	794.2	8.2	B2/1000		
BM (30°-60°)	1348.6	13.9	B2/2500		
BH (60°-80°)	513.4	5.3	B2/1000		G2/1000
BVH (80°-90°)	30.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2
2.5°	3882.6	3867.6	3870.1	3890.0	3865.1	3855.1	3855.1	3806.5	3810.2	3776.4	3767.8
5°	3792.7	3757.8	3781.5	3811.4	3816.5	3826.4	3842.6	3830.2	3795.2	3759.0	3700.3
7.5°	3558.0	3589.2	3598.0	3619.2	3664.1	3705.3	3756.5	3721.5	3720.2	3684.1	3649.1
10°	3352.0	3333.3	3380.7	3411.9	3486.9	3555.5	3634.1	3630.4	3649.1	3607.9	3548.0
12.5°	3147.3	3132.3	3154.8	3225.9	3330.8	3430.7	3524.3	3489.3	3589.2	3581.7	3453.1
15°	2930.0	2941.3	2973.7	3039.9	3177.2	3297.1	3415.6	3416.9	3505.5	3535.6	3363.2
17.5°	2777.7	2765.2	2806.4	2905.1	3027.4	3171.0	3305.8	3333.3	3469.4	3486.9	3335.7
20°	2664.1	2681.6	2735.3	2785.2	2926.3	3099.8	3252.1	3262.2	3461.9	3509.3	3292.1
22.5°	2636.6	2626.7	2644.2	2725.3	2841.4	3029.9	3223.4	3260.9	3460.6	3501.8	3209.7
25°	2607.9	2640.4	2639.1	2720.3	2805.2	2973.7	3247.1	3288.3	3526.8	3540.5	3220.9
27.5°	2672.9	2669.1	2704.1	2710.3	2815.2	2988.7	3297.1	3328.3	3636.7	3625.4	3229.7
30°	2737.8	2719.0	2740.3	2813.9	2862.6	3074.9	3434.4	3431.9	3778.9	3771.5	3257.1
32.5°	2817.7	2808.9	2822.6	2887.6	2970.0	3189.7	3550.5	3624.1	3923.8	3971.2	3352.0
35°	2832.7	2868.9	2901.4	2988.7	3106.1	3375.7	3768.9	3830.2	4091.0	4239.6	3533.0
37.5°	2927.5	2941.3	3017.4	3172.3	3279.6	3624.1	3907.5	3946.2	4243.3	4411.9	3724.0
40°	3028.7	3044.9	3159.7	3322.0	3469.4	3786.4	4037.4	4049.8	4292.0	4544.3	3848.8
42.5°	3166.0	3181.0	3294.6	3498.1	3695.4	3925.0	4152.3	4166.0	4288.3	4696.6	4047.4
45°	3308.3	3344.5	3478.1	3709.1	3886.3	4087.3	4178.4	4234.6	4323.2	4832.6	4208.4
47.5°	3508.1	3541.8	3651.6	3877.6	4084.8	4229.6	4299.5	4354.4	4406.9	4951.2	4312.1
50°	3720.2	3726.6	3860.1	4064.9	4217.2	4390.7	4525.5	4544.3	4516.8	5088.6	4488.1
52.5°	3876.3	3896.4	4000.0	4199.7	4426.9	4640.4	4825.2	4845.1	4791.4	5139.8	4548.0
55°	3617.9	3606.7	3775.2	4041.2	4568.0	5012.4	5280.8	5295.8	4991.2	5298.3	4744.0
57.5°	2796.5	2850.1	2993.7	3314.5	4058.6	5177.2	5632.8	5579.2	5230.9	5378.2	4868.8
60°	2032.4	2019.9	2116.0	2330.8	3058.6	4461.8	5325.7	5380.7	5034.9	4847.6	4014.9
62.5°	1655.4	1637.9	1645.4	1652.9	1973.7	2961.2	3942.5	3941.3	3877.6	3484.3	2707.9
65°	1323.3	1364.5	1368.3	1424.5	1465.6	1769.0	2284.6	2406.9	2096.1	1719.1	1247.2
67.5°	997.5	982.5	1032.4	1232.1	1309.6	1277.1	1247.2	1260.9	896.3	646.6	609.2
70°	588.0	581.8	641.7	858.9	1078.7	1015.0	940.1	941.3	615.4	452.0	503.1
72.5°	322.1	320.8	333.3	435.7	613.0	636.7	564.3	581.8	367.0	365.8	393.3
75°	179.8	176.0	172.3	192.3	220.9	233.5	238.4	240.9	252.2	282.2	293.3
77.5°	66.2	63.7	63.7	73.7	93.6	117.3	148.5	151.0	178.5	204.7	216.0
80°	22.5	25.0	33.7	46.2	62.4	83.7	101.1	103.6	126.1	143.6	147.3
82.5°	13.7	15.0	22.5	32.5	44.9	58.7	74.9	76.2	93.6	104.9	109.8
85°	6.2	7.5	12.4	20.0	28.7	38.7	39.9	39.9	38.7	39.9	37.4
87.5°	0.0	0.0	2.5	2.5	2.5	3.8	5.0	3.8	6.2	7.5	7.5
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: P653764

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2	3775.2
2.5°	3741.5	3727.8	3685.3	3647.9	3636.7	3586.7	3513.0	3521.8	3468.1	3493.1	3466.9
5°	3690.3	3644.1	3535.6	3489.3	3368.2	3313.3	3275.9	3182.3	3138.5	3129.8	3092.4
7.5°	3559.3	3530.5	3394.4	3269.6	3141.1	3031.1	2890.1	2794.0	2725.3	2706.6	2651.7
10°	3455.6	3391.9	3203.5	3013.7	2830.1	2639.1	2455.6	2312.1	2242.2	2161.0	2133.5
12.5°	3353.2	3257.1	3002.5	2759.0	2521.8	2280.9	2058.7	1883.8	1731.5	1695.4	1682.8
15°	3289.6	3122.3	2822.6	2529.3	2192.2	1877.6	1655.4	1540.5	1446.9	1408.3	1435.7
17.5°	3206.0	3011.2	2650.4	2259.6	1888.9	1599.2	1413.2	1342.1	1308.3	1312.1	1300.9
20°	3101.1	2906.3	2424.4	2015.0	1617.9	1387.0	1280.8	1254.7	1259.6	1268.4	1264.6
22.5°	3026.2	2779.0	2260.9	1765.3	1398.2	1269.7	1225.9	1207.3	1223.5	1231.0	1224.7
25°	2968.7	2670.3	2062.4	1544.3	1270.9	1203.5	1183.5	1182.3	1207.3	1217.2	1211.0
27.5°	2916.3	2569.3	1865.2	1375.8	1186.0	1152.3	1146.0	1161.0	1177.2	1187.2	1196.0
30°	2885.1	2491.9	1680.4	1234.7	1143.6	1127.4	1116.1	1129.8	1138.5	1148.6	1143.6
32.5°	2915.1	2436.9	1501.9	1154.8	1108.6	1092.4	1107.3	1098.6	1113.6	1122.3	1108.6
35°	3008.7	2388.2	1374.5	1112.3	1068.7	1074.9	1077.4	1073.6	1079.8	1072.4	1088.6
37.5°	3101.1	2370.8	1257.1	1076.1	1049.9	1049.9	1047.5	1039.9	1052.4	1049.9	1057.4
40°	3218.4	2382.0	1157.3	1037.5	1032.4	1030.0	1020.0	1018.7	1013.7	1015.0	1017.4
42.5°	3320.8	2406.9	1099.9	1012.5	1016.2	1021.2	1002.5	987.5	993.7	981.3	981.3
45°	3429.4	2429.4	1048.6	995.0	991.2	990.0	975.1	966.3	961.3	962.5	973.8
47.5°	3600.4	2461.9	1010.0	971.3	973.8	955.0	951.3	940.1	945.0	952.5	953.8
50°	3721.5	2530.6	980.0	943.8	952.5	940.1	917.6	912.6	912.6	925.1	922.6
52.5°	3806.5	2626.7	951.3	913.8	917.6	907.6	900.1	888.9	881.4	898.9	907.6
55°	4066.1	2786.5	943.8	888.9	887.6	877.7	863.9	852.7	848.9	851.4	868.9
57.5°	4041.2	2736.5	920.1	845.2	842.7	829.0	815.2	811.5	810.2	812.7	817.7
60°	3280.8	2021.2	821.5	795.2	791.5	789.0	775.2	760.3	752.8	760.3	754.0
62.5°	2171.0	1353.3	724.1	735.3	737.8	731.6	709.1	694.2	696.6	705.3	691.6
65°	1066.1	795.2	656.7	686.6	689.1	671.6	650.4	632.9	624.2	631.7	625.5
67.5°	609.2	608.0	601.7	632.9	631.7	614.2	580.5	565.6	550.5	553.0	549.3
70°	516.9	526.8	539.3	558.0	556.8	536.8	496.9	485.6	464.4	461.9	455.7
72.5°	407.0	424.5	452.0	465.7	454.4	429.4	403.3	384.5	365.8	354.6	358.3
75°	302.1	327.1	342.0	350.8	333.3	319.6	298.4	275.9	253.4	243.5	239.7
77.5°	219.8	227.2	240.9	247.2	236.0	222.2	209.7	187.3	166.0	152.3	148.5
80°	153.6	158.5	168.5	168.5	168.5	162.3	146.1	123.6	109.8	97.4	94.9
82.5°	107.4	112.4	122.4	117.3	116.1	108.6	98.6	81.2	66.2	57.4	54.9
85°	37.4	41.2	50.0	60.0	63.7	62.4	56.2	44.9	35.0	28.7	26.2
87.5°	8.7	8.7	10.0	8.7	8.7	10.0	8.7	8.7	8.7	6.2	5.0
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)