

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: P532193

Luminaire Tested: **GLAN-SA7C-735-U-T2R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-735-U-T2R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30169 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

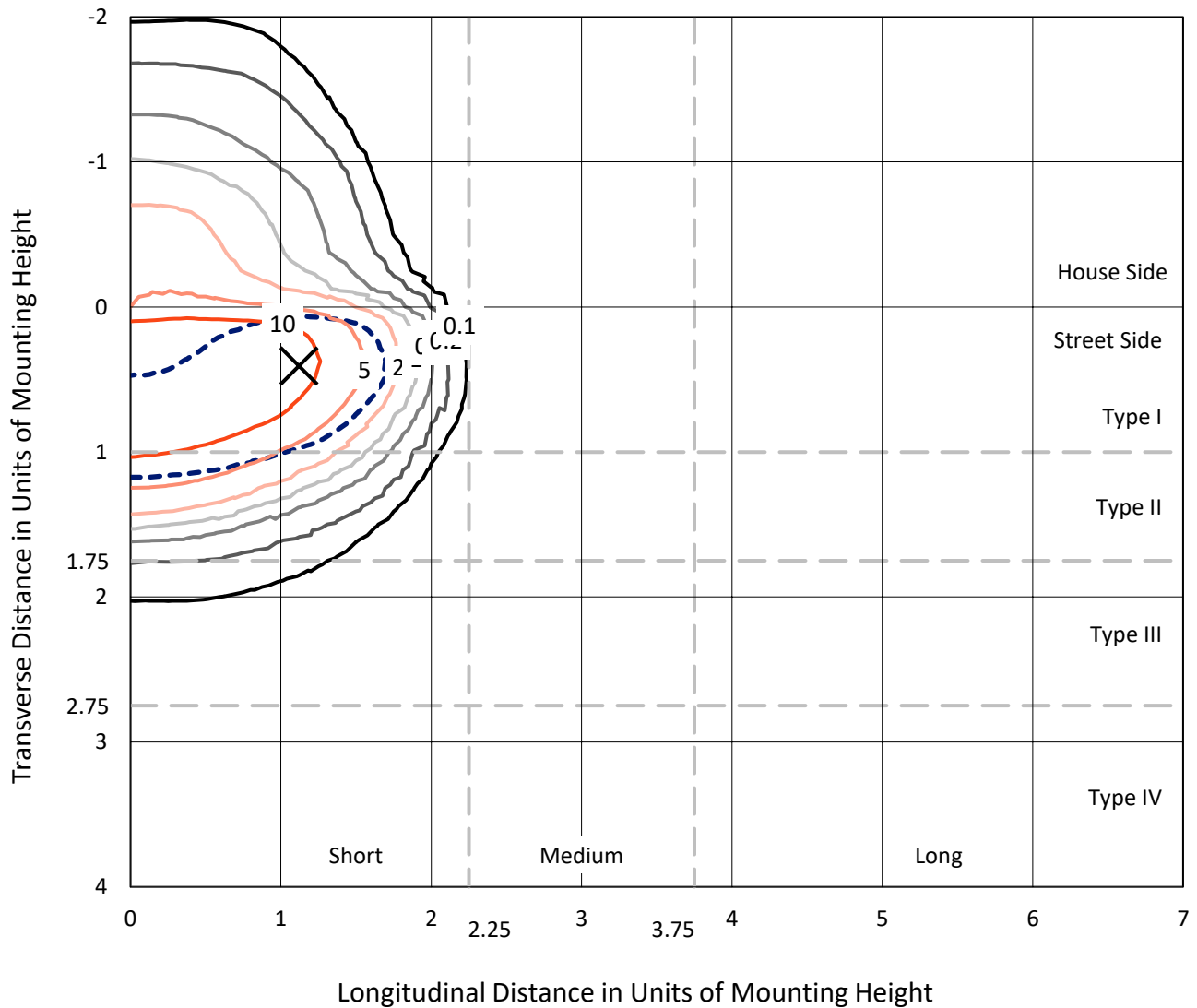
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

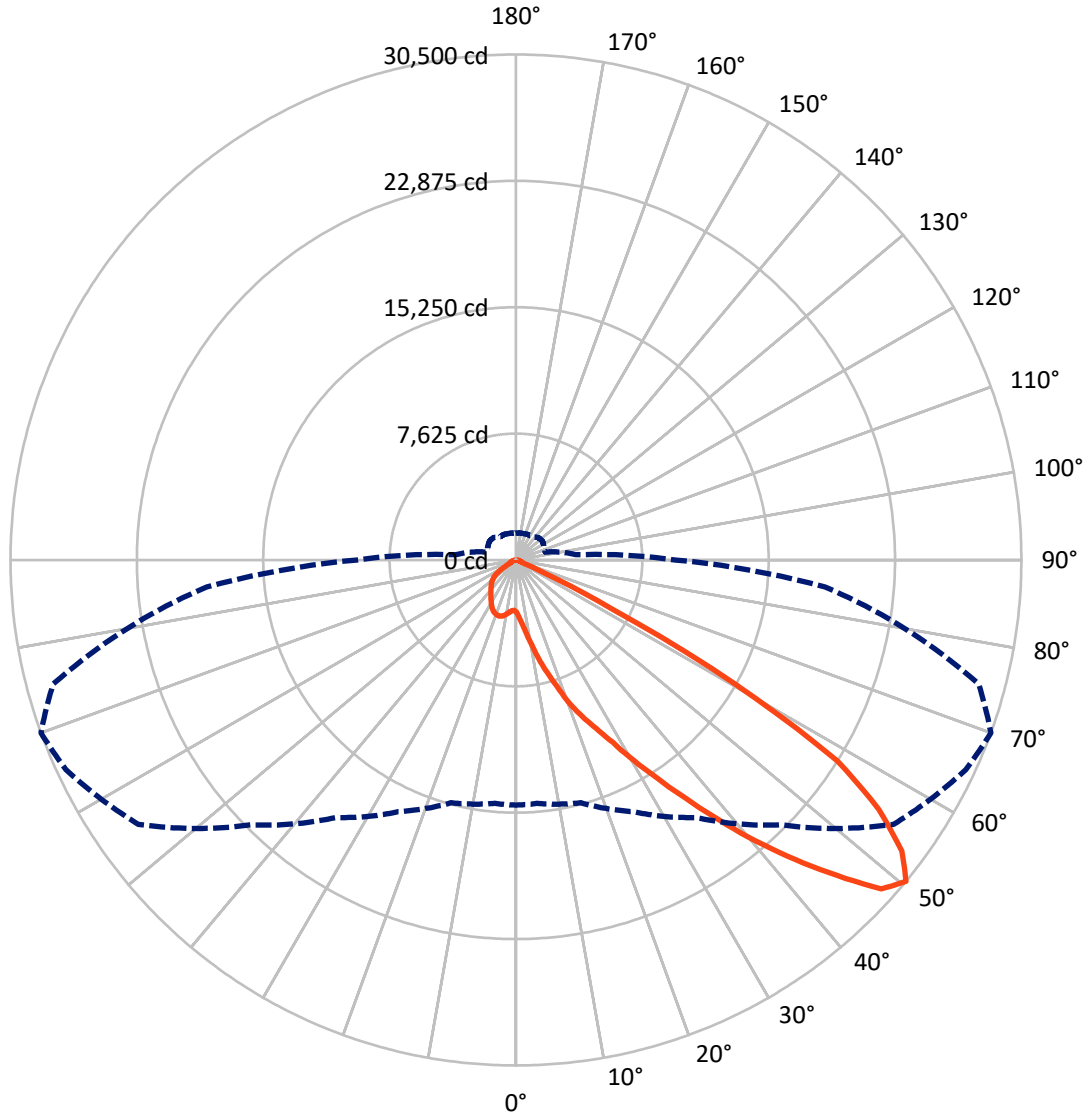
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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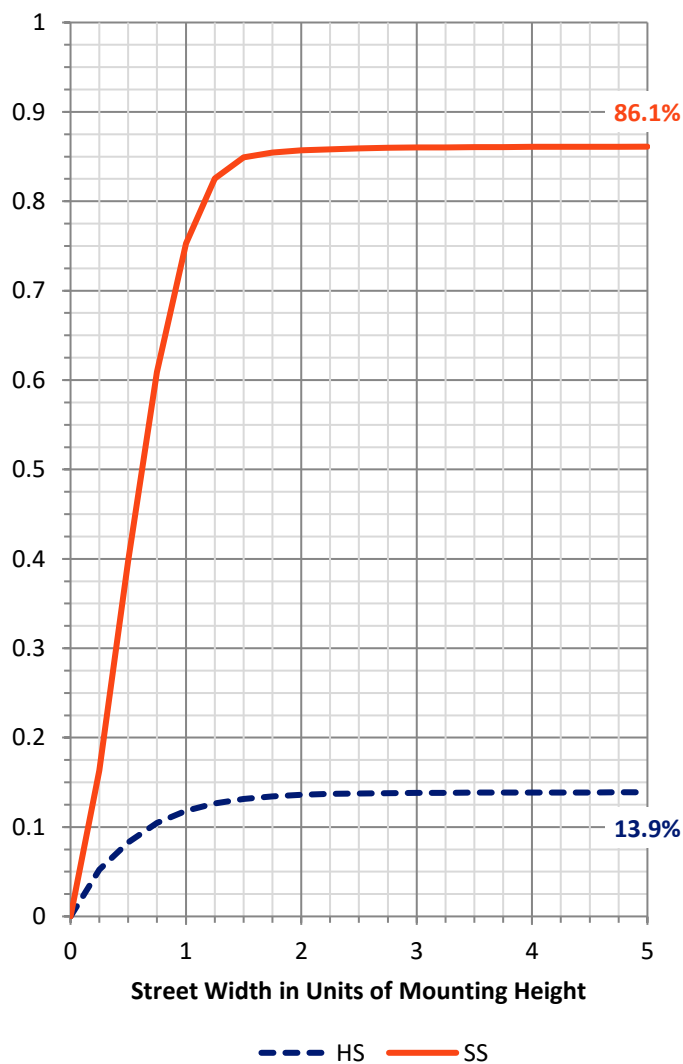
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4213.3	0.0	4213.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	25955.7	0.0	25955.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	30169.0	0.0	30169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.4	1.3
10°-20°	1757.7	5.8
20°-30°	3687.4	12.2
30°-40°	6355.9	21.1
40°-50°	9289.1	30.8
50°-60°	7234.7	24.0
60°-70°	1225.8	4.1
70°-80°	168.4	0.6
80°-90°	43.6	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°	30169.0	100.0
0°-180°	30169.0	100.0

Coefficient of Utilization



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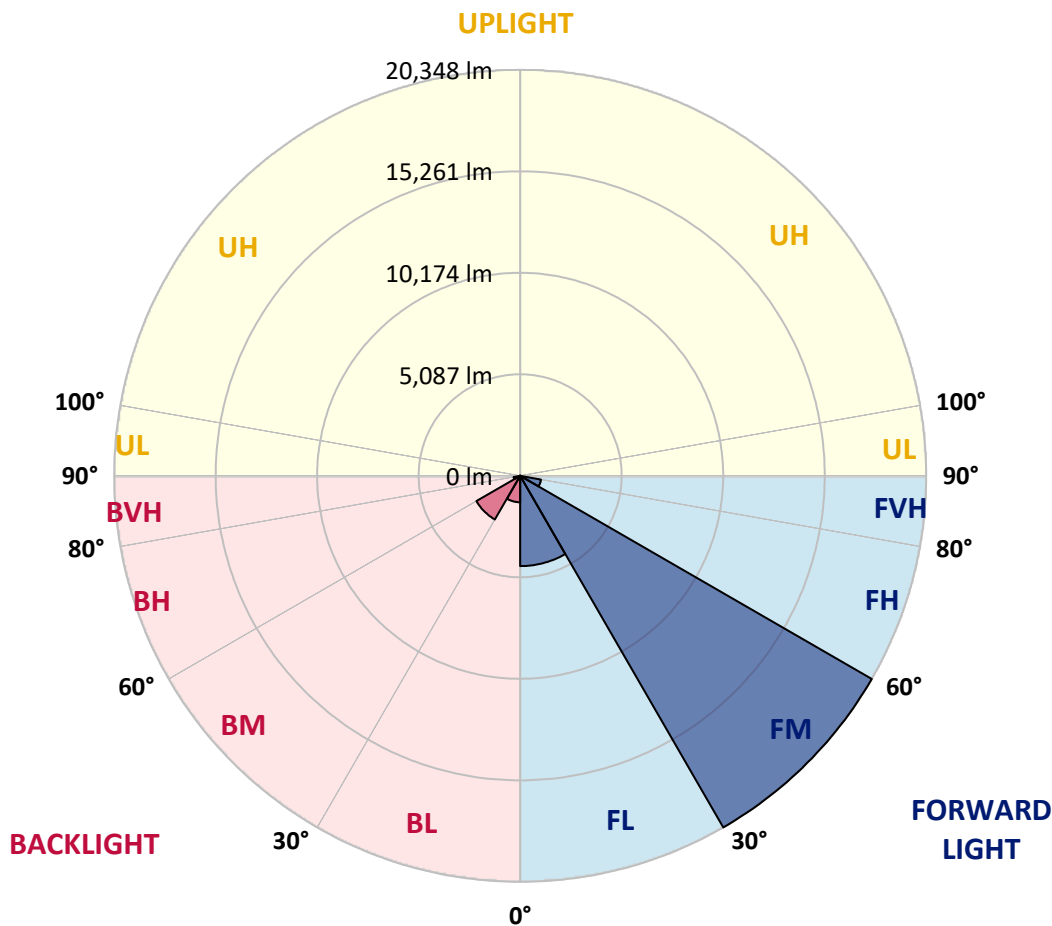
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4525.7	15.0			
FM (30°-60°)	20348.5	67.4			
FH (60°-80°)	1061.4	3.5			G1/1800
FVH (80°-90°)	20.2	0.1			G1/100
BL (0°-30°)	1325.8	4.4	B3/2500		
BM (30°-60°)	2531.2	8.4	B3/5000		
BH (60°-80°)	332.8	1.1	B1/500		G1/500
BVH (80°-90°)	23.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9
2.5°	4092.1	4062.4	3997.9	3878.9	3829.3	3710.2	3640.8	3506.8	3422.5	3328.3	3224.1
5°	5763.7	5610.0	5515.7	5381.8	4989.9	4746.9	4345.1	4002.9	3844.1	3670.5	3432.4
7.5°	7489.9	7390.7	7261.7	6974.0	6706.2	6200.2	5510.8	4756.8	4434.4	4136.8	3665.6
10°	8918.4	8640.6	8625.8	8412.5	8119.8	7514.7	6686.3	5748.9	5173.5	4737.0	3997.9
12.5°	9915.4	9662.4	9776.5	9751.7	9478.9	8923.4	7966.1	6726.0	6125.8	5446.3	4340.2
15°	10823.1	10719.0	10684.2	10654.5	10545.3	10133.7	9275.5	7916.4	7048.4	6230.0	4727.1
17.5°	11711.0	11443.1	11572.1	11596.9	11587.0	11215.0	10411.4	9047.4	8025.6	7058.3	5133.8
20°	12499.7	12524.5	12350.9	12316.1	12286.4	12271.5	11487.8	10168.4	9225.9	7926.4	5664.5
22.5°	13511.5	13337.9	13491.7	13392.5	13199.0	13080.0	12479.8	11160.4	10267.6	8973.0	6205.2
25°	14706.9	14845.8	14483.7	14444.0	14230.8	13819.1	13278.4	12271.5	11269.5	9945.2	6790.5
27.5°	16180.1	15937.1	15842.8	15624.6	15237.7	15064.1	14429.2	13417.3	12479.8	10967.0	7355.9
30°	17445.0	17380.5	16909.3	16651.3	16314.0	16309.1	15421.2	14969.8	14057.2	12569.1	8134.7
32.5°	18476.7	18193.9	18020.3	17841.8	17569.0	17643.4	16894.4	16656.3	15738.7	14057.2	9052.3
35°	19166.1	18962.8	18858.6	18585.8	18506.4	18838.8	18526.3	18427.1	17673.1	16150.4	10128.7
37.5°	19384.4	19448.9	19429.0	19086.8	19255.4	20153.2	20555.0	20297.1	19900.2	18357.6	11294.3
40°	19577.8	19622.5	19523.3	19925.0	20406.2	21428.0	22881.3	22454.7	22305.9	20594.7	12916.3
42.5°	19687.0	19652.2	19652.2	20346.7	21075.8	23129.3	25128.3	24845.5	24731.5	22975.6	14791.3
45°	19215.7	18878.5	19240.5	20183.0	21651.2	23967.6	26923.9	27315.7	27152.0	25807.8	16983.7
47.5°	17454.9	17663.2	17866.6	19126.5	20951.8	23709.7	28025.0	29359.3	29661.9	28188.7	18422.1
50°	14791.3	14746.6	15168.2	16755.5	18972.7	22598.6	27811.7	29949.6	30500.2	28903.0	18724.7
52.5°	10758.6	11086.0	11542.3	13119.7	15748.6	19721.7	25058.8	28426.8	29160.9	28025.0	18526.3
55°	6264.7	5902.6	6929.4	8263.7	10743.8	14875.6	21184.9	25197.7	26556.8	26427.8	17524.3
57.5°	2509.9	2430.5	2782.7	3749.9	5605.0	9221.0	15406.3	20703.8	22881.3	24205.7	15401.4
60°	1101.2	1076.4	1264.8	1527.7	2291.6	4250.9	8427.3	12876.6	15148.4	16914.2	10599.9
62.5°	793.6	783.7	878.0	972.2	1210.3	1850.1	3541.6	5188.3	6468.1	7812.3	4746.9
65°	639.9	664.7	729.1	778.7	892.8	1026.8	1250.0	1443.4	1770.8	1835.3	1046.6
67.5°	520.8	540.7	600.2	654.7	674.6	555.5	575.4	505.9	505.9	451.4	362.1
70°	381.9	386.9	456.3	520.8	416.7	223.2	391.9	391.9	352.2	337.3	307.5
72.5°	282.7	287.7	342.3	322.4	163.7	138.9	287.7	317.5	287.7	272.8	248.0
75°	208.3	213.3	178.6	74.4	69.4	89.3	168.6	218.2	208.3	203.4	188.5
77.5°	39.7	29.8	24.8	34.7	49.6	74.4	109.1	133.9	138.9	148.8	138.9
80°	5.0	5.0	14.9	29.8	54.6	79.4	114.1	129.0	133.9	138.9	129.0
82.5°	0.0	5.0	14.9	29.8	54.6	74.4	99.2	114.1	124.0	129.0	124.0
85°	0.0	5.0	9.9	24.8	44.6	54.6	49.6	34.7	29.8	34.7	24.8
87.5°	0.0	0.0	5.0	5.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9
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°	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9
2.5°	3164.6	3144.8	3075.3	3000.9	2936.4	2966.2	2936.4	2911.6	2921.5	2911.6	2901.7
5°	3338.2	3248.9	3100.1	3035.6	2981.1	2976.1	2961.2	2956.3	2961.2	2961.2	2916.6
7.5°	3501.9	3358.0	3199.3	3129.9	3065.4	3070.4	3035.6	3035.6	3030.7	3005.9	2995.9
10°	3749.9	3556.5	3353.1	3229.1	3149.7	3134.8	3100.1	3065.4	3065.4	3065.4	3015.8
12.5°	4022.7	3779.7	3501.9	3358.0	3263.8	3189.4	3134.8	3124.9	3070.4	3060.4	3035.6
15°	4260.8	3953.3	3601.1	3402.7	3283.6	3184.4	3100.1	3045.6	3020.8	3005.9	2986.0
17.5°	4493.9	4102.1	3655.7	3402.7	3273.7	3159.6	3070.4	3020.8	2961.2	2971.1	2931.5
20°	4806.4	4260.8	3670.5	3338.2	3179.5	3070.4	2951.3	2926.5	2891.8	2862.0	2871.9
22.5°	5109.0	4374.9	3625.9	3258.8	3030.7	2901.7	2842.2	2812.4	2797.5	2772.7	2738.0
25°	5381.8	4498.9	3556.5	3115.0	2871.9	2777.7	2723.1	2718.2	2683.5	2683.5	2619.0
27.5°	5659.6	4543.5	3437.4	2946.3	2733.1	2678.5	2653.7	2643.8	2628.9	2594.2	2549.5
30°	5977.0	4558.4	3263.8	2772.7	2609.1	2549.5	2584.3	2609.1	2544.6	2480.1	2499.9
32.5°	6239.9	4523.7	3055.5	2609.1	2519.8	2490.0	2559.5	2584.3	2509.9	2440.4	2405.7
35°	6557.4	4439.4	2852.1	2480.1	2430.5	2490.0	2549.5	2549.5	2400.7	2316.4	2296.6
37.5°	7038.5	4345.1	2663.6	2371.0	2336.2	2460.3	2539.6	2485.1	2251.9	2147.8	2123.0
40°	7554.4	4285.6	2480.1	2261.8	2286.6	2410.6	2455.3	2286.6	2048.6	1984.1	1964.2
42.5°	8303.3	4166.6	2316.4	2167.6	2242.0	2341.2	2341.2	2038.6	1949.4	1914.6	1909.7
45°	9235.9	4082.2	2172.6	2088.2	2177.5	2202.3	2123.0	1909.7	1845.2	1835.3	1840.2
47.5°	9692.2	3918.5	2023.8	1994.0	2058.5	2063.4	1855.1	1805.5	1750.9	1736.1	1726.1
50°	9622.8	3625.9	1830.3	1870.0	1959.3	1909.7	1691.4	1701.3	1651.7	1646.8	1622.0
52.5°	9136.7	3164.6	1636.9	1731.1	1830.3	1686.5	1557.5	1547.6	1547.6	1483.1	1458.3
55°	8100.0	2549.5	1403.7	1522.8	1641.8	1418.6	1383.9	1374.0	1349.2	1289.6	1274.8
57.5°	6413.5	1870.0	1056.5	1185.5	1393.8	1205.3	1200.4	1155.7	1091.2	1046.6	1046.6
60°	3814.4	1076.4	664.7	724.2	922.6	977.2	1086.3	1066.4	957.3	887.9	868.0
62.5°	1741.0	555.5	421.6	431.5	496.0	634.9	853.2	987.1	833.3	714.3	704.3
65°	585.3	411.7	347.2	332.3	342.3	381.9	510.9	699.4	664.7	550.6	530.7
67.5°	357.1	367.1	327.4	302.6	302.6	297.6	292.7	317.5	391.9	381.9	386.9
70°	307.5	337.3	302.6	272.8	262.9	248.0	208.3	173.6	148.8	173.6	183.5
72.5°	248.0	267.8	257.9	233.1	208.3	188.5	148.8	114.1	84.3	74.4	74.4
75°	183.5	198.4	208.3	178.6	158.7	133.9	109.1	74.4	44.6	29.8	29.8
77.5°	133.9	148.8	153.8	138.9	119.0	94.2	69.4	49.6	24.8	9.9	9.9
80°	114.1	133.9	148.8	138.9	124.0	89.3	64.5	34.7	19.8	5.0	5.0
82.5°	109.1	133.9	148.8	133.9	119.0	84.3	64.5	39.7	14.9	5.0	5.0
85°	24.8	34.7	44.6	54.6	64.5	64.5	49.6	29.8	14.9	5.0	5.0
87.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	5.0	5.0	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)