

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: P531612

Luminaire Tested: **GLAN-SA6D-830-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-830-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30897 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

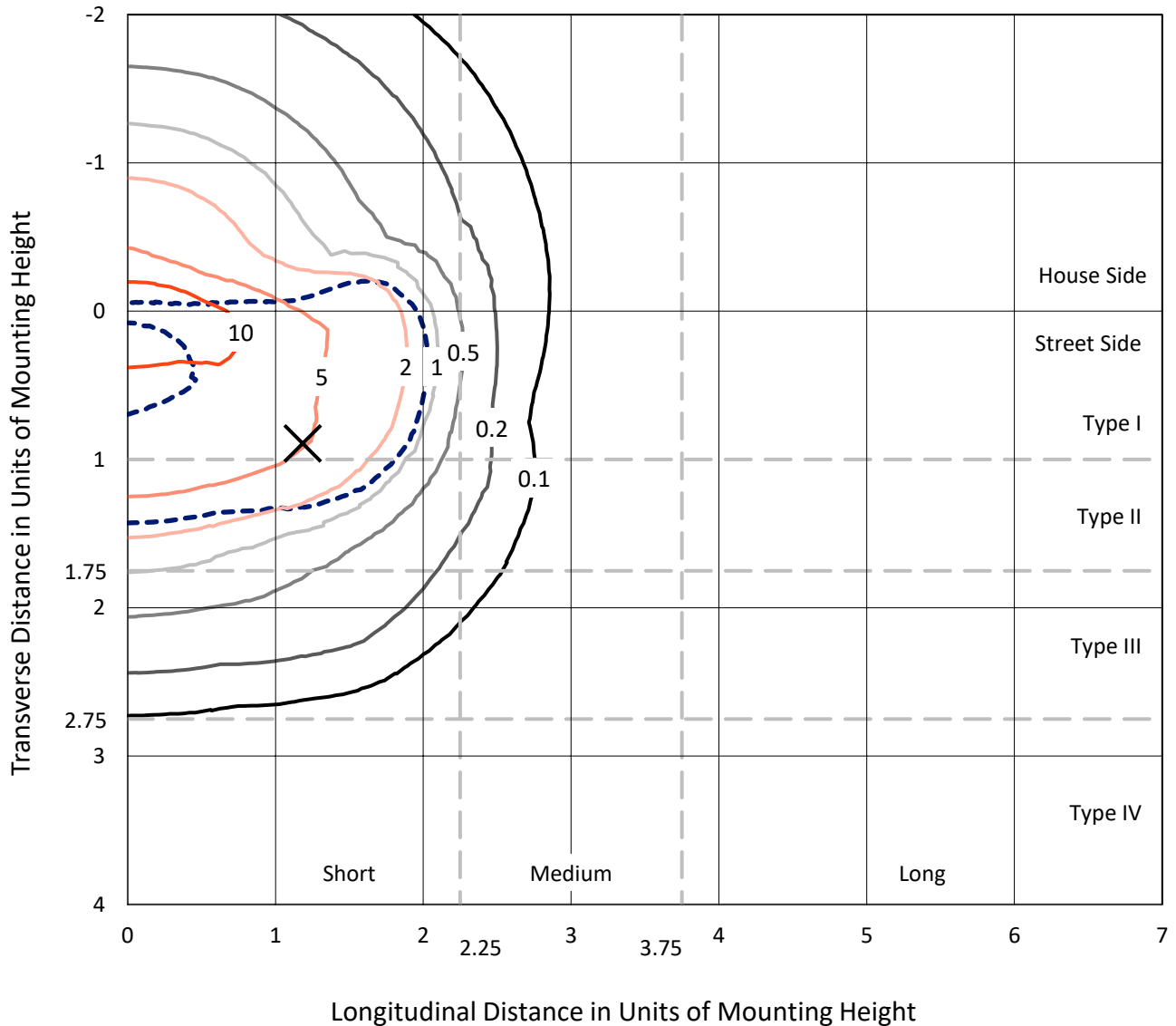
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

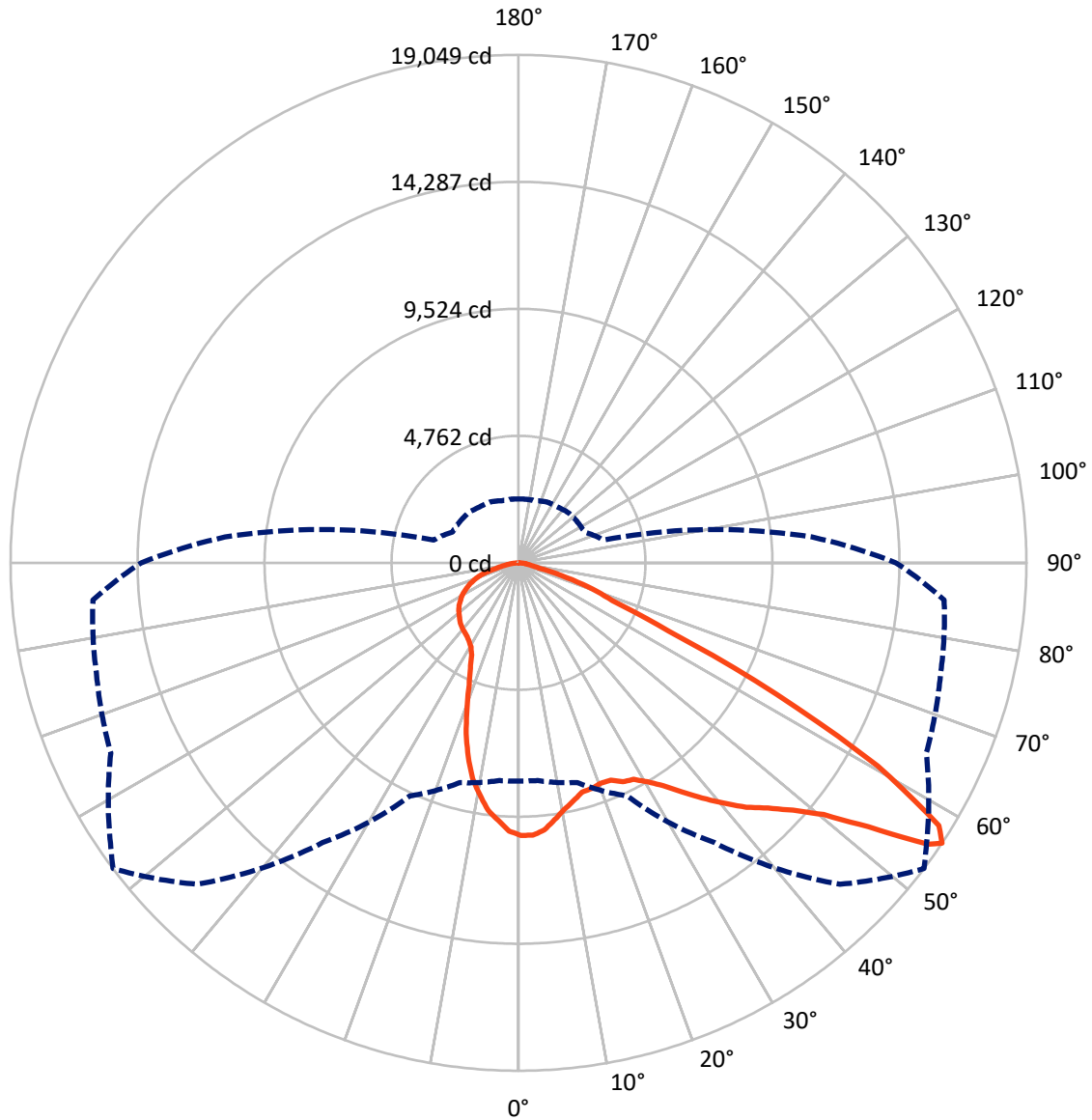
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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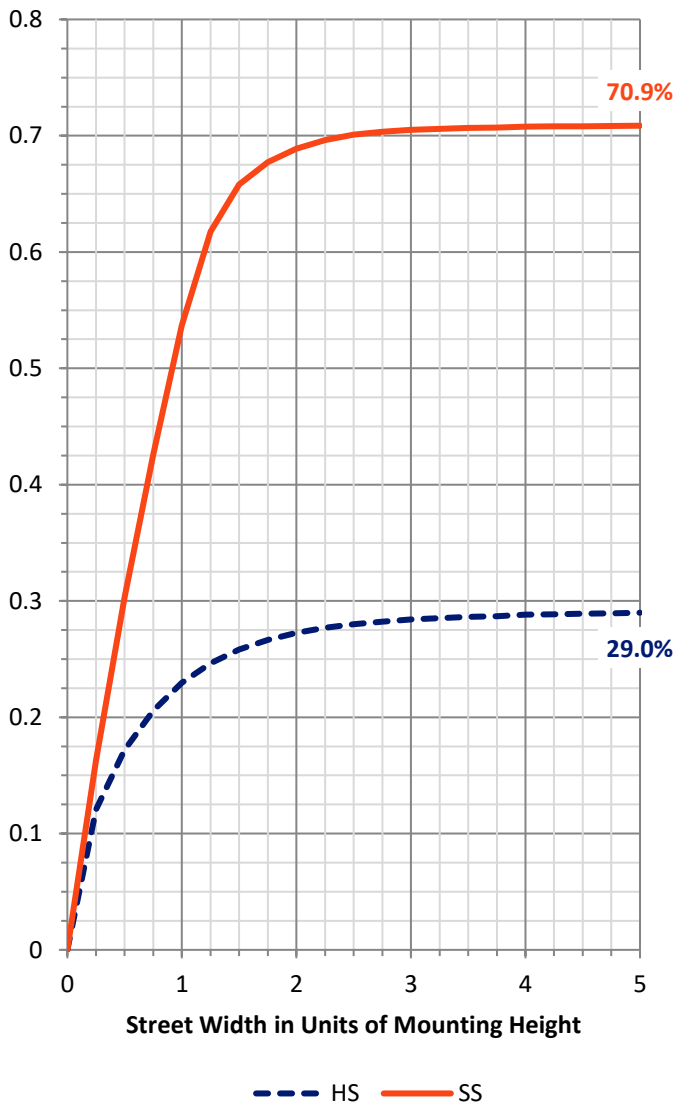
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9016.4	0.0	9016.4
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	21880.6	0.0	21880.6
	% Fixture	70.8	0.0	70.8
Total	Lumens	30897.0	0.0	30897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.9	2.9
10°-20°	2260.1	7.3
20°-30°	3332.8	10.8
30°-40°	4761.9	15.4
40°-50°	6554.1	21.2
50°-60°	7745.1	25.1
60°-70°	4127.6	13.4
70°-80°	1047.2	3.4
80°-90°	163.3	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°	30897.0	100.0
0°-180°	30897.0	100.0

Coefficient of Utilization



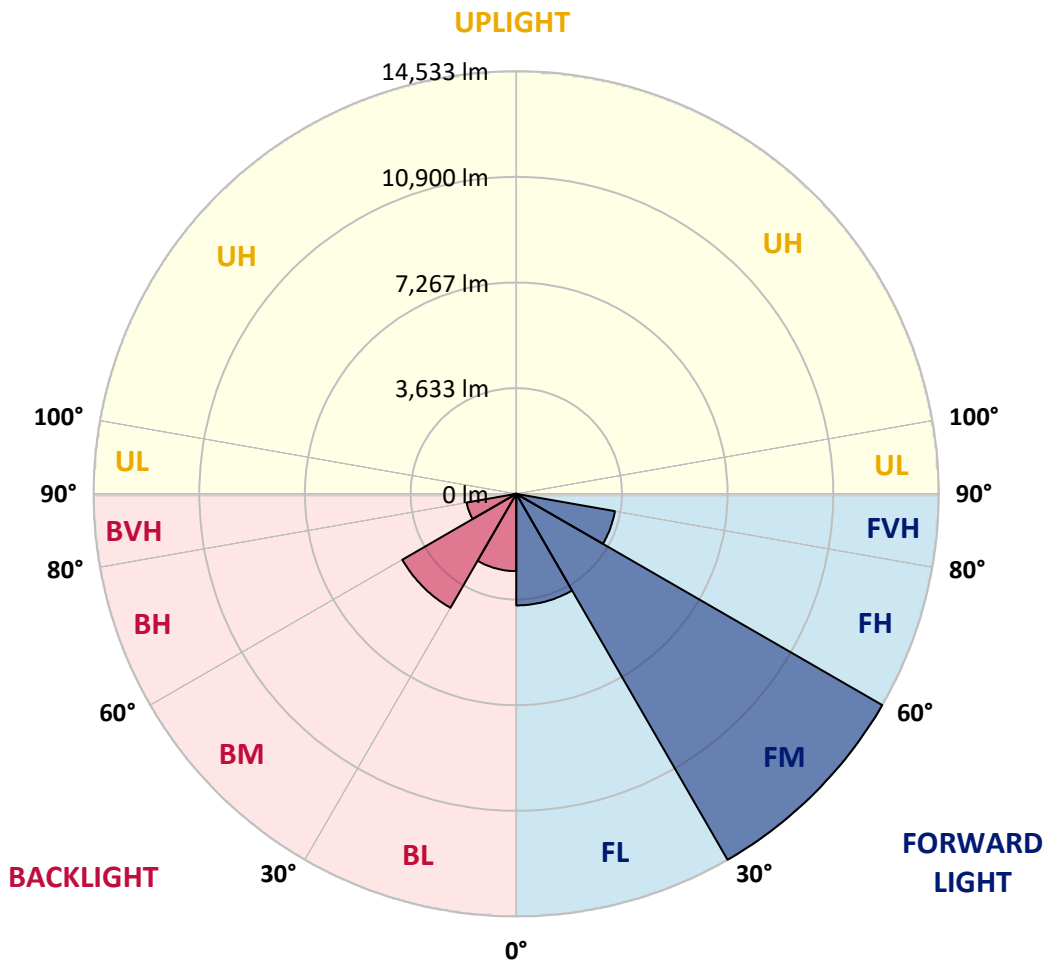
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3838.5	12.4			
FM	(30°-60°)	14533.4	47.0			
FH	(60°-80°)	3443.1	11.1			G2/5000
FVH	(80°-90°)	65.6	0.2			G1/100
BL	(0°-30°)	2659.3	8.6	B4/5000		
BM	(30°-60°)	4527.7	14.7	B3/5000		
BH	(60°-80°)	1731.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	97.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9
2.5°	10095.1	10007.9	10059.4	10039.6	10202.1	10249.7	10225.9	10245.7	10336.9	10293.3	10202.1
5°	9433.2	9556.1	9579.9	9639.3	9734.4	9920.7	10067.4	10107.0	10150.6	10352.7	10332.9
7.5°	8830.7	8914.0	8870.4	9044.8	9250.9	9552.1	9730.5	9762.2	10162.5	10273.5	10356.7
10°	8450.2	8367.0	8565.2	8612.8	8846.6	9191.4	9405.5	9536.3	9900.9	10340.9	10392.4
12.5°	8097.5	8069.7	8188.7	8323.4	8585.0	8941.7	9159.7	9211.2	9774.1	10237.8	10479.6
15°	7835.9	7804.2	7923.1	8022.2	8327.4	8644.5	8921.9	9068.6	9635.3	10178.3	10404.3
17.5°	7629.8	7625.8	7693.2	7871.6	8184.7	8450.2	8898.1	8906.1	9564.0	10269.5	10467.7
20°	7617.9	7613.9	7625.8	7824.0	8109.4	8434.4	8822.8	8894.2	9564.0	10206.1	10471.6
22.5°	7717.0	7653.6	7724.9	7851.8	8057.9	8462.1	8850.6	9009.1	9793.9	10519.2	10650.0
25°	7875.5	7891.4	7931.0	7974.6	8093.5	8525.6	9096.3	9227.1	10063.4	10788.7	10895.7
27.5°	8164.9	8156.9	8172.8	8196.6	8299.6	8585.0	9195.4	9532.3	10626.2	11268.3	11161.3
30°	8589.0	8561.2	8624.6	8707.9	8612.8	8775.3	9524.4	9778.0	11149.4	11751.9	11458.6
32.5°	8973.4	9076.5	9195.4	9231.1	9116.1	9147.8	9960.4	10218.0	11585.4	12346.4	11823.2
35°	9453.0	9536.3	9694.8	9805.8	9786.0	9690.8	10554.9	10895.7	12215.6	12782.4	12207.7
37.5°	9920.7	10019.8	10281.4	10610.4	10428.0	10384.5	11189.0	11470.5	12409.8	13016.2	12489.1
40°	10673.8	10669.8	11121.7	11292.1	11454.6	11379.3	11847.0	11942.1	12512.9	12964.7	12497.0
42.5°	11557.7	11502.2	11961.9	12227.5	12437.6	12445.5	12532.7	12501.0	12560.4	12703.1	12413.8
45°	12397.9	12516.8	12980.6	13456.2	13666.3	13690.0	13111.4	13051.9	12643.7	12627.8	12255.2
47.5°	13424.5	13452.2	13832.7	14459.0	14946.5	14780.0	13860.5	13729.7	13008.3	13131.2	12520.8
50°	13483.9	13690.0	14030.9	14768.1	16266.3	16222.7	14831.5	14585.8	13594.9	13844.6	13262.0
52.5°	12239.4	12191.8	12596.1	13801.0	16167.2	17657.5	16440.7	15854.1	14855.3	14665.1	14462.9
55°	9326.2	9437.2	9793.9	11010.7	14038.8	17677.3	18632.6	18153.0	16202.9	15877.9	15644.1
56°	8180.7	8196.6	8533.5	9643.3	12810.1	17047.1	19048.7	18660.3	16872.7	16377.3	16020.6
57.5°	6781.6	6690.4	6864.8	7471.3	10812.5	15715.4	18592.9	18973.4	17657.5	16916.3	16420.9
60°	5338.9	5319.1	5247.7	5358.7	6833.1	11839.1	15477.6	16333.7	17578.3	16409.0	15727.3
62.5°	4359.9	4260.8	4403.5	4562.0	4748.3	7344.4	10875.9	11379.3	13955.6	13099.5	11815.3
65°	3380.9	3333.3	3511.7	4026.9	4137.9	4665.1	6195.0	6583.4	8240.2	8093.5	7126.4
67.5°	2326.6	2334.5	2489.1	3273.9	3836.7	3789.1	3793.1	3995.2	4300.4	3194.6	2782.4
70°	1474.4	1470.5	1553.7	2108.6	3087.6	3119.3	2960.8	2901.3	2750.7	1664.7	1763.8
72.5°	947.3	919.5	963.1	1165.3	1597.3	1847.0	1902.5	1938.2	1593.3	1308.0	1418.9
75°	535.1	507.3	491.5	543.0	630.2	729.3	800.6	824.4	923.5	990.9	1050.3
77.5°	162.5	146.7	178.4	237.8	313.1	420.1	511.3	527.1	622.3	701.5	761.0
80°	71.3	79.3	111.0	158.5	222.0	297.3	360.7	384.5	447.9	507.3	523.2
82.5°	43.6	47.6	75.3	107.0	154.6	210.1	257.6	265.6	329.0	376.5	388.4
85°	15.9	19.8	39.6	63.4	99.1	134.8	134.8	146.7	134.8	134.8	146.7
87.5°	0.0	0.0	4.0	7.9	7.9	11.9	15.9	15.9	19.8	23.8	27.7
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°	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9	10221.9
2.5°	10249.7	10229.9	10198.2	10083.2	10071.3	10035.7	9837.5	9805.8	9837.5	9742.4	9750.3
5°	10229.9	10289.3	10051.5	9936.6	9722.5	9568.0	9389.6	9298.4	9135.9	9032.9	9147.8
7.5°	10317.1	10293.3	9996.0	9746.3	9425.3	9032.9	8719.8	8541.4	8256.0	8176.8	8236.2
10°	10285.4	10158.5	9809.7	9480.8	8874.3	8529.5	8022.2	7530.7	7261.2	7122.5	7102.6
12.5°	10241.8	10206.1	9623.5	9056.7	8418.5	7693.2	6979.8	6516.0	6076.1	5885.8	5913.6
15°	10293.3	9992.1	9274.7	8557.3	7709.1	6757.8	5988.9	5390.4	5085.2	4962.3	4962.3
17.5°	10269.5	9889.0	9108.2	7998.4	6924.3	5798.6	4954.4	4593.7	4466.9	4466.9	4502.6
20°	10281.4	9956.4	8771.3	7439.5	5996.8	4883.1	4268.7	4137.9	4193.4	4213.2	4233.1
22.5°	10348.8	9734.4	8442.3	6825.2	5136.7	4177.6	3876.3	3880.3	3979.4	4086.4	4066.6
25°	10432.0	9647.2	8042.0	6214.8	4478.8	3832.7	3737.6	3725.7	3801.0	3856.5	3864.4
27.5°	10360.7	9496.6	7633.8	5453.8	3939.7	3602.8	3583.0	3591.0	3614.7	3725.7	3690.0
30°	10594.5	9540.2	7122.5	4815.7	3642.5	3527.5	3503.8	3491.9	3527.5	3559.3	3531.5
32.5°	10883.9	9385.6	6742.0	4201.3	3495.8	3472.1	3424.5	3408.6	3428.5	3396.7	3412.6
35°	11010.7	9357.9	6246.5	3761.4	3380.9	3361.1	3333.3	3329.4	3333.3	3305.6	3281.8
37.5°	11082.0	9488.7	5679.7	3559.3	3309.5	3329.4	3265.9	3258.0	3186.7	3202.5	3214.4
40°	11204.9	9286.6	5220.0	3365.0	3265.9	3226.3	3170.8	3158.9	3111.4	3083.6	3111.4
42.5°	11026.5	9227.1	4768.1	3281.8	3202.5	3158.9	3119.3	3051.9	3036.1	3012.3	2996.4
45°	10883.9	8886.2	4363.8	3178.8	3127.2	3103.4	3028.1	2956.8	2897.3	2921.1	2885.5
47.5°	10990.9	8767.3	3963.5	3091.6	3024.2	2996.4	2921.1	2865.6	2806.2	2778.4	2770.5
50°	11418.9	8989.3	3626.6	3028.1	2937.0	2921.1	2822.0	2758.6	2703.1	2683.3	2691.2
52.5°	12441.5	9595.7	3396.7	2897.3	2853.7	2782.4	2726.9	2647.6	2612.0	2548.6	2588.2
55°	13737.6	10582.6	3337.3	2774.5	2750.7	2687.3	2612.0	2552.5	2485.1	2433.6	2421.7
56°	14153.8	11054.3	3289.7	2726.9	2687.3	2651.6	2552.5	2516.8	2409.8	2397.9	2390.0
57.5°	14490.7	11470.5	3297.7	2635.7	2596.1	2564.4	2505.0	2417.8	2346.4	2302.8	2322.6
60°	13729.7	10737.2	3147.0	2497.0	2489.1	2429.6	2346.4	2306.8	2219.6	2168.1	2156.2
62.5°	10206.1	7288.9	2552.5	2318.7	2314.7	2251.3	2156.2	2112.6	2096.7	2025.4	2025.4
65°	5877.9	4570.0	2207.7	2172.0	2140.3	2076.9	1981.8	1946.1	1906.5	1882.7	1862.9
67.5°	2508.9	2370.2	2005.5	2001.6	1965.9	1886.6	1791.5	1736.0	1684.5	1636.9	1660.7
70°	1819.3	1847.0	1811.3	1791.5	1747.9	1648.8	1565.6	1498.2	1418.9	1387.2	1411.0
72.5°	1442.7	1502.2	1553.7	1557.7	1506.1	1391.2	1300.0	1208.9	1121.7	1078.1	1097.9
75°	1093.9	1133.6	1185.1	1197.0	1121.7	1042.4	955.2	860.1	792.7	741.2	749.1
77.5°	788.7	780.8	828.4	820.5	784.8	729.3	650.0	562.8	487.5	440.0	443.9
80°	539.0	550.9	578.7	574.7	531.1	495.4	436.0	364.6	309.2	269.5	261.6
82.5°	376.5	396.4	420.1	400.3	364.6	329.0	285.4	233.8	190.2	158.5	150.6
85°	134.8	154.6	178.4	190.2	202.1	194.2	162.5	130.8	95.1	79.3	75.3
87.5°	27.7	31.7	35.7	35.7	35.7	31.7	27.7	27.7	23.8	11.9	11.9
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)