

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: P531484

Luminaire Tested: **GLAN-SA6D-735-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531484
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-SA6D-735-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA 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: 36152 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

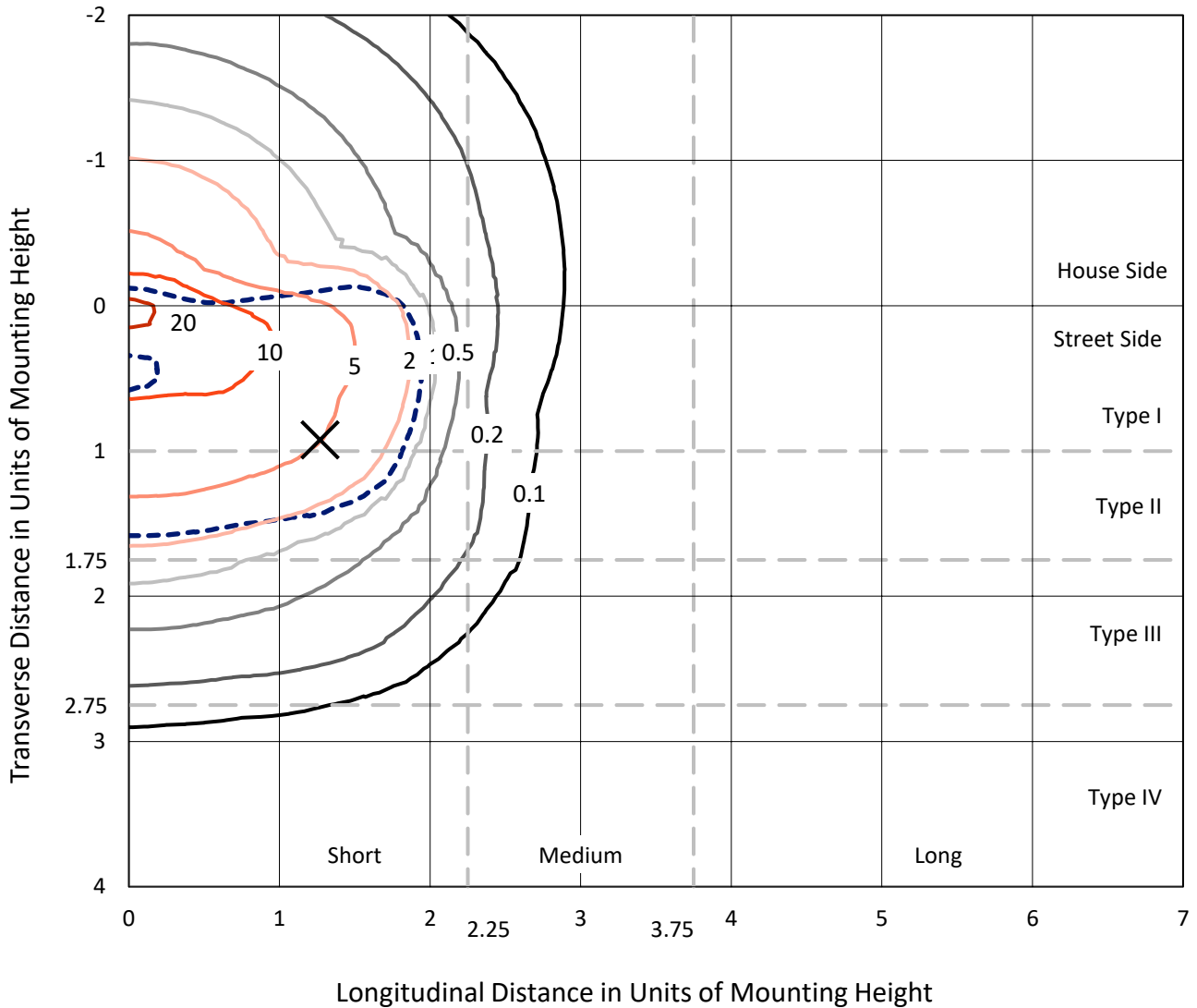
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

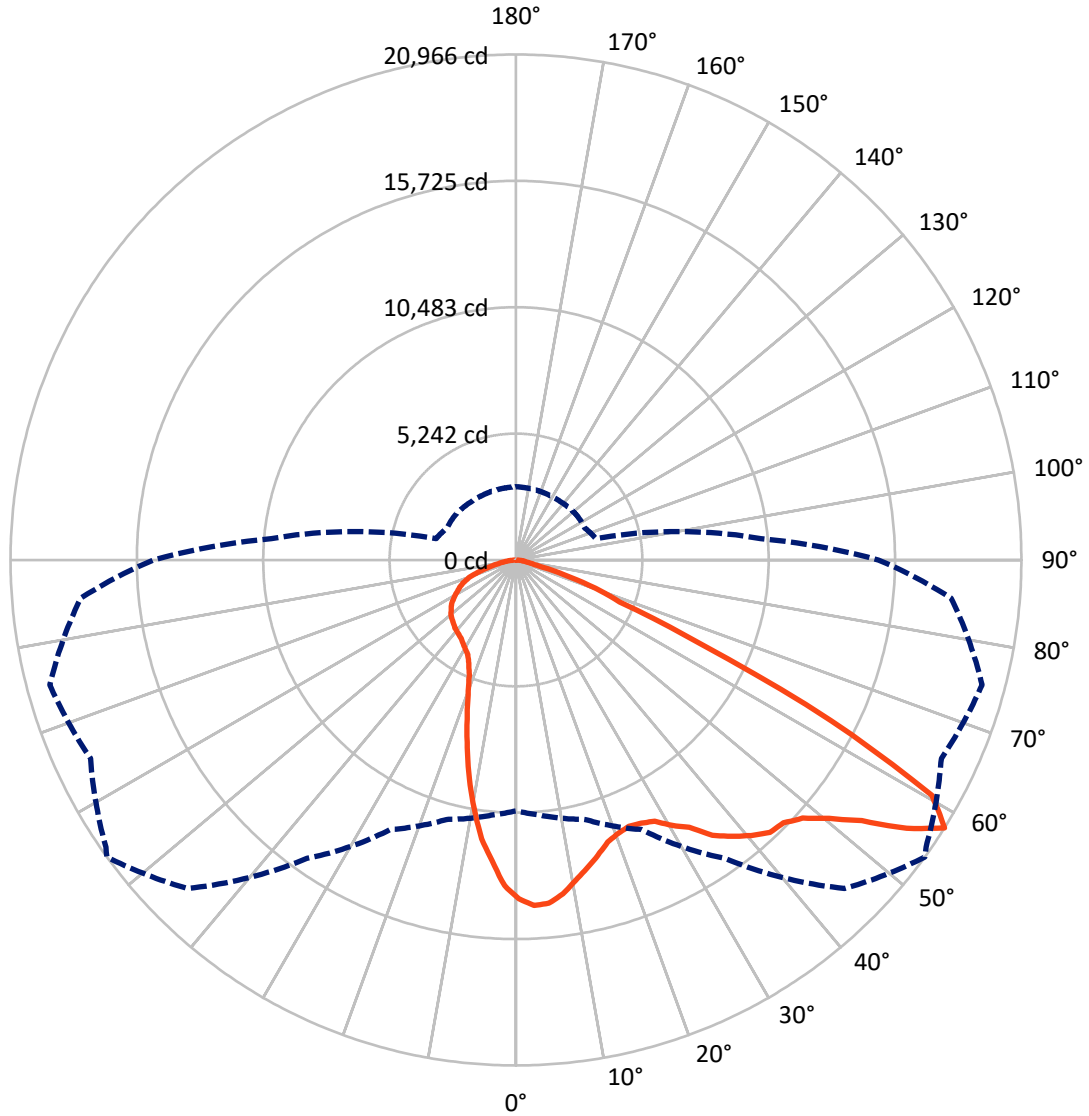
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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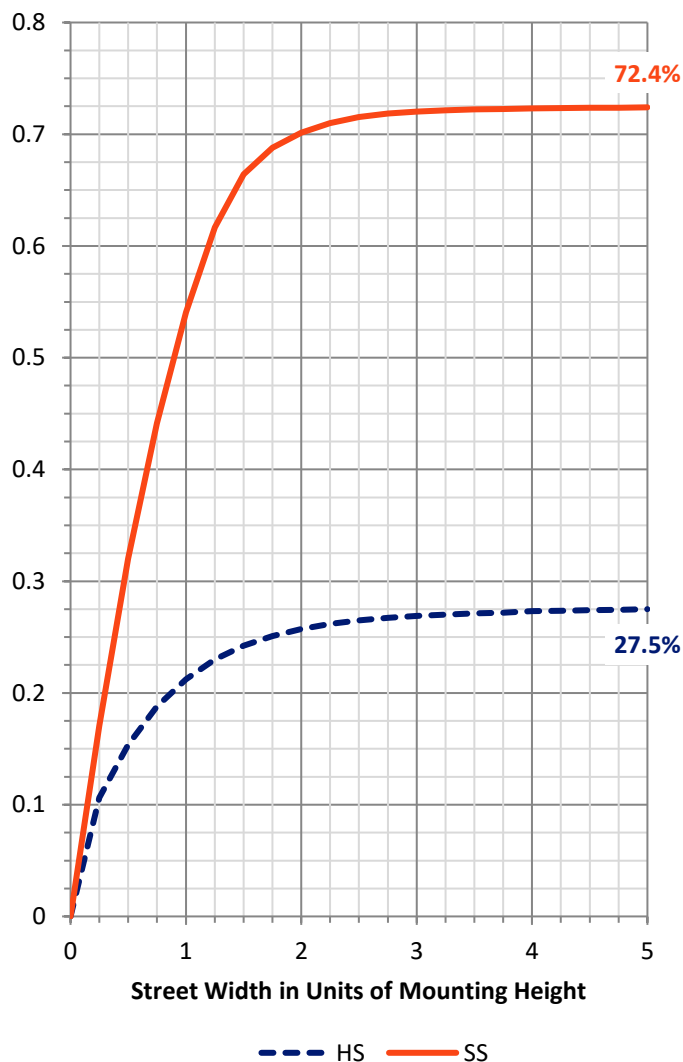
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10001.6	0.0	10001.6
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	26150.3	0.0	26150.3
	% Fixture	72.3	0.0	72.3
Total	Lumens	36152.0	0.0	36152.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1211.8	3.4
10°-20°	2805.8	7.8
20°-30°	3942.2	10.9
30°-40°	5511.3	15.2
40°-50°	7461.2	20.6
50°-60°	9088.1	25.1
60°-70°	4733.5	13.1
70°-80°	1212.9	3.4
80°-90°	185.0	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°	36152.0	100.0
0°-180°	36152.0	100.0



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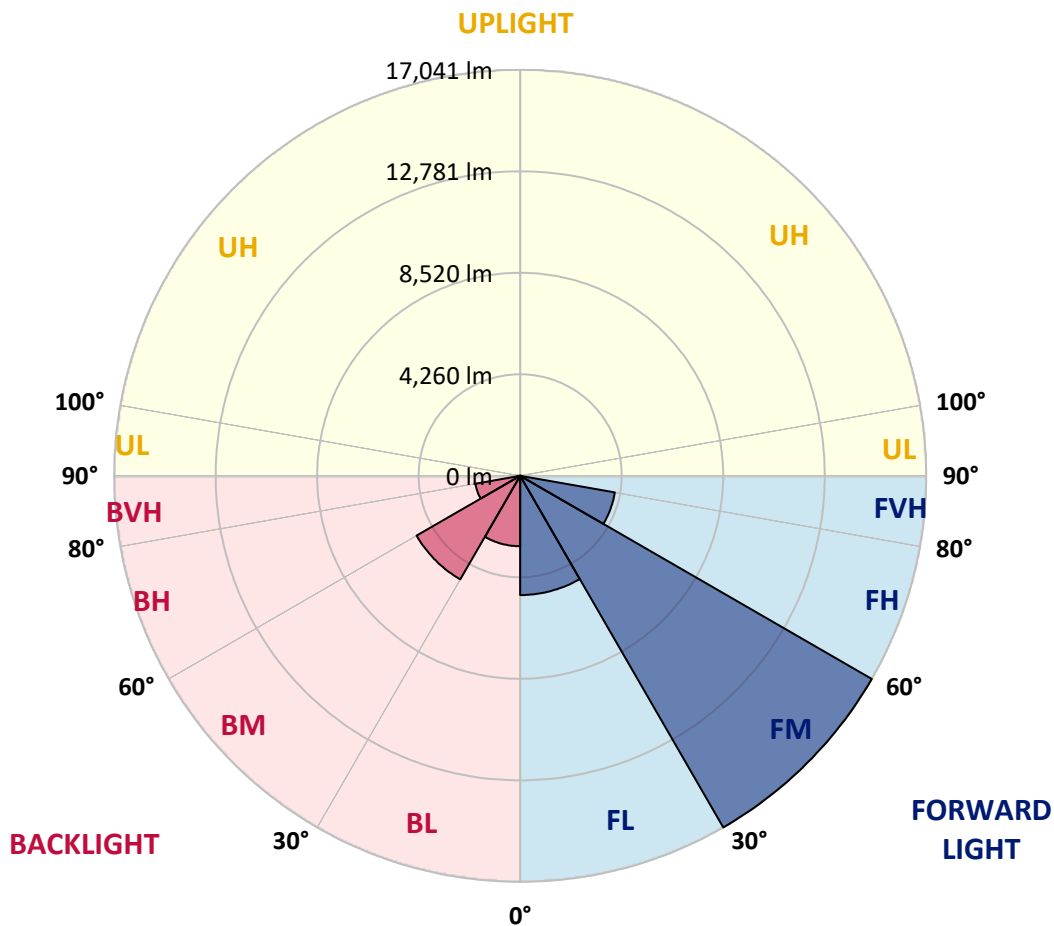
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5003.9	13.8			
FM (30°-60°)	17040.9	47.1			
FH (60°-80°)	4035.6	11.2			G2/5000
FVH (80°-90°)	69.9	0.2			G1/100
BL (0°-30°)	2956.0	8.2	B4/5000		
BM (30°-60°)	5019.7	13.9	B4/8500		
BH (60°-80°)	1910.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	115.1	0.3			G2/225
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°	54°	55°	65°	75°	85°
0°	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9
2.5°	14451.5	14395.7	14405.0	14479.4	14386.4	14349.3	14349.3	14168.0	14182.0	14056.5	14024.0
5°	14116.9	13986.8	14075.1	14186.6	14205.2	14242.4	14302.8	14256.3	14126.2	13991.5	13773.1
7.5°	13243.3	13359.5	13392.0	13471.0	13638.3	13791.6	13982.2	13852.1	13847.4	13712.7	13582.5
10°	12476.6	12406.9	12583.5	12699.7	12978.5	13234.0	13526.8	13512.8	13582.5	13429.2	13206.2
12.5°	11714.5	11658.8	11742.4	12007.3	12397.6	12769.4	13117.9	12987.8	13359.5	13331.6	12853.0
15°	10906.0	10947.8	11068.6	11314.9	11826.1	12272.2	12713.6	12718.2	13048.2	13159.7	12518.4
17.5°	10339.1	10292.6	10446.0	10813.1	11268.4	11802.8	12304.7	12406.9	12913.4	12978.5	12416.2
20°	9916.2	9981.3	10181.1	10367.0	10892.1	11538.0	12104.9	12142.0	12885.5	13062.1	12253.6
22.5°	9814.0	9776.8	9841.9	10143.9	10576.1	11277.7	11998.0	12137.4	12880.9	13034.2	11946.9
25°	9707.1	9827.9	9823.3	10125.3	10441.3	11068.6	12086.3	12239.6	13127.2	13178.3	11988.7
27.5°	9948.8	9934.8	10064.9	10088.2	10478.5	11124.4	12272.2	12388.3	13536.1	13494.3	12021.2
30°	10190.4	10120.7	10199.7	10473.8	10655.1	11445.0	12783.3	12774.0	14065.8	14037.9	12123.5
32.5°	10487.8	10455.3	10506.4	10748.0	11054.7	11872.5	13215.4	13489.6	14604.8	14781.4	12476.6
35°	10543.5	10678.3	10799.1	11124.4	11561.2	12564.9	14028.6	14256.3	15227.5	15780.5	13150.4
37.5°	10896.7	10947.8	11231.3	11807.5	12207.1	13489.6	14544.4	14688.5	15794.4	16421.7	13861.4
40°	11273.1	11333.5	11761.0	12365.1	12913.4	14093.7	15027.7	15074.2	15975.6	16914.3	14326.0
42.5°	11784.2	11840.0	12262.9	13020.3	13754.5	14609.5	15455.2	15506.3	15961.7	17481.2	15064.9
45°	12314.0	12448.7	12945.9	13805.6	14465.4	15213.6	15552.8	15761.9	16091.8	17987.7	15664.3
47.5°	13057.5	13182.9	13591.8	14432.9	15204.3	15743.3	16003.5	16208.0	16403.1	18429.1	16050.0
50°	13847.4	13870.6	14367.8	15129.9	15696.8	16342.7	16844.6	16914.3	16812.1	18940.3	16705.2
52.5°	14428.3	14502.6	14888.3	15631.8	16477.5	17272.1	17959.8	18034.2	17834.3	19130.8	16928.2
55°	13466.4	13424.6	14051.9	15041.6	17002.6	18656.8	19655.9	19711.6	18577.8	19720.9	17657.8
57.5°	10408.8	10608.6	11143.0	12337.2	15106.7	19270.2	20966.3	20766.5	19470.0	20018.3	18122.4
60°	7565.0	7518.5	7876.3	8675.5	11384.6	16607.6	19823.2	20027.6	18740.5	18043.5	14944.1
62.5°	6161.6	6096.6	6124.5	6152.3	7346.6	11022.2	14674.5	14669.9	14432.9	12969.2	10078.9
65°	4925.6	5078.9	5092.9	5302.0	5455.3	6584.5	8503.6	8959.0	7801.9	6398.6	4642.1
67.5°	3712.8	3657.0	3842.9	4586.4	4874.5	4753.7	4642.1	4693.2	3336.4	2407.0	2267.6
70°	2188.6	2165.4	2388.4	3197.0	4014.8	3777.8	3499.0	3503.7	2290.9	1682.1	1872.7
72.5°	1198.9	1194.2	1240.7	1621.7	2281.6	2369.9	2100.3	2165.4	1366.2	1361.5	1463.7
75°	669.1	655.2	641.3	715.6	822.5	868.9	887.5	896.8	938.6	1050.2	1092.0
77.5°	246.3	237.0	237.0	274.2	348.5	436.8	553.0	562.3	664.5	762.1	803.9
80°	83.6	92.9	125.5	171.9	232.3	311.3	376.4	385.7	469.3	534.4	548.3
82.5°	51.1	55.8	83.6	120.8	167.3	218.4	278.8	283.5	348.5	390.3	408.9
85°	23.2	27.9	46.5	74.3	106.9	144.1	148.7	148.7	144.1	148.7	139.4
87.5°	0.0	0.0	9.3	9.3	9.3	13.9	18.6	13.9	23.2	27.9	27.9
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°	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9	14051.9
2.5°	13926.4	13875.3	13717.3	13577.9	13536.1	13350.2	13076.0	13108.6	12908.8	13001.7	12904.1
5°	13735.9	13564.0	13159.7	12987.8	12537.0	12332.6	12193.2	11844.6	11682.0	11649.5	11510.1
7.5°	13248.0	13141.1	12634.6	12169.9	11691.3	11282.4	10757.3	10399.5	10143.9	10074.2	9869.8
10°	12862.3	12625.3	11923.6	11217.3	10534.3	9823.3	9140.2	8605.8	8345.6	8043.6	7941.4
12.5°	12481.3	12123.5	11175.5	10269.4	9386.5	8489.7	7662.5	7012.0	6445.1	6310.3	6263.9
15°	12244.3	11621.6	10506.4	9414.4	8159.7	6988.8	6161.6	5734.1	5385.6	5241.6	5343.8
17.5°	11932.9	11208.0	9865.1	8410.7	7030.6	5952.5	5260.2	4995.3	4869.8	4883.8	4841.9
20°	11542.6	10817.7	9024.1	7499.9	6022.2	5162.6	4767.6	4670.0	4688.6	4721.1	4707.2
22.5°	11263.8	10343.7	8415.3	6570.5	5204.4	4725.8	4563.1	4493.4	4553.8	4581.7	4558.5
25°	11050.0	9939.5	7676.5	5748.1	4730.4	4479.5	4405.1	4400.5	4493.4	4530.6	4507.4
27.5°	10854.9	9563.1	6942.3	5120.8	4414.4	4289.0	4265.7	4321.5	4381.9	4419.1	4451.6
30°	10738.7	9275.0	6254.6	4595.7	4256.5	4196.0	4154.2	4205.3	4237.9	4275.0	4256.5
32.5°	10850.2	9070.5	5590.1	4298.3	4126.3	4065.9	4121.7	4089.2	4144.9	4177.5	4126.3
35°	11198.7	8889.3	5116.1	4140.3	3977.6	4000.9	4010.2	3996.2	4019.5	3991.6	4052.0
37.5°	11542.6	8824.2	4679.3	4005.5	3907.9	3907.9	3898.6	3870.8	3917.2	3907.9	3935.8
40°	11979.4	8866.1	4307.6	3861.5	3842.9	3833.6	3796.4	3791.8	3773.2	3777.8	3787.1
42.5°	12360.4	8959.0	4093.8	3768.5	3782.5	3801.1	3731.4	3675.6	3698.8	3652.4	3652.4
45°	12764.7	9042.6	3903.3	3703.5	3689.5	3684.9	3629.1	3596.6	3578.0	3582.7	3624.5
47.5°	13401.3	9163.5	3759.2	3615.2	3624.5	3554.8	3540.8	3499.0	3517.6	3545.5	3550.1
50°	13852.1	9419.0	3647.7	3513.0	3545.5	3499.0	3415.4	3396.8	3396.8	3443.3	3434.0
52.5°	14168.0	9776.8	3540.8	3401.4	3415.4	3378.2	3350.3	3308.5	3280.6	3345.7	3378.2
55°	15134.6	10371.6	3513.0	3308.5	3303.9	3266.7	3215.6	3173.8	3159.8	3169.1	3234.2
57.5°	15041.6	10185.7	3424.7	3145.9	3136.6	3085.5	3034.3	3020.4	3015.8	3025.1	3043.6
60°	12211.7	7523.1	3057.6	2960.0	2946.1	2936.8	2885.7	2829.9	2802.0	2829.9	2806.7
62.5°	8080.8	5037.1	2695.1	2737.0	2746.2	2723.0	2639.4	2583.6	2592.9	2625.4	2574.3
65°	3968.4	2960.0	2444.2	2555.7	2565.0	2500.0	2421.0	2355.9	2323.4	2351.3	2328.0
67.5°	2267.6	2263.0	2239.7	2355.9	2351.3	2286.2	2160.8	2105.0	2049.2	2058.5	2044.6
70°	1923.8	1960.9	2007.4	2077.1	2072.5	1998.1	1849.4	1807.6	1728.6	1719.3	1696.1
72.5°	1514.9	1579.9	1682.1	1733.2	1691.4	1598.5	1500.9	1431.2	1361.5	1319.7	1333.6
75°	1124.5	1217.5	1273.2	1305.7	1240.7	1189.6	1110.6	1026.9	943.3	906.1	892.2
77.5°	817.8	845.7	896.8	920.1	878.2	827.1	780.7	697.0	618.0	566.9	553.0
80°	571.6	590.1	627.3	627.3	627.3	604.1	543.7	460.0	408.9	362.4	353.2
82.5°	399.6	418.2	455.4	436.8	432.2	404.3	367.1	302.0	246.3	213.8	204.5
85°	139.4	153.3	185.9	223.0	237.0	232.3	209.1	167.3	130.1	106.9	97.6
87.5°	32.5	32.5	37.2	32.5	32.5	37.2	32.5	32.5	32.5	23.2	18.6
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)