

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: P319530

Luminaire Tested: **GAN-SA6C-830-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-830-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32932 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

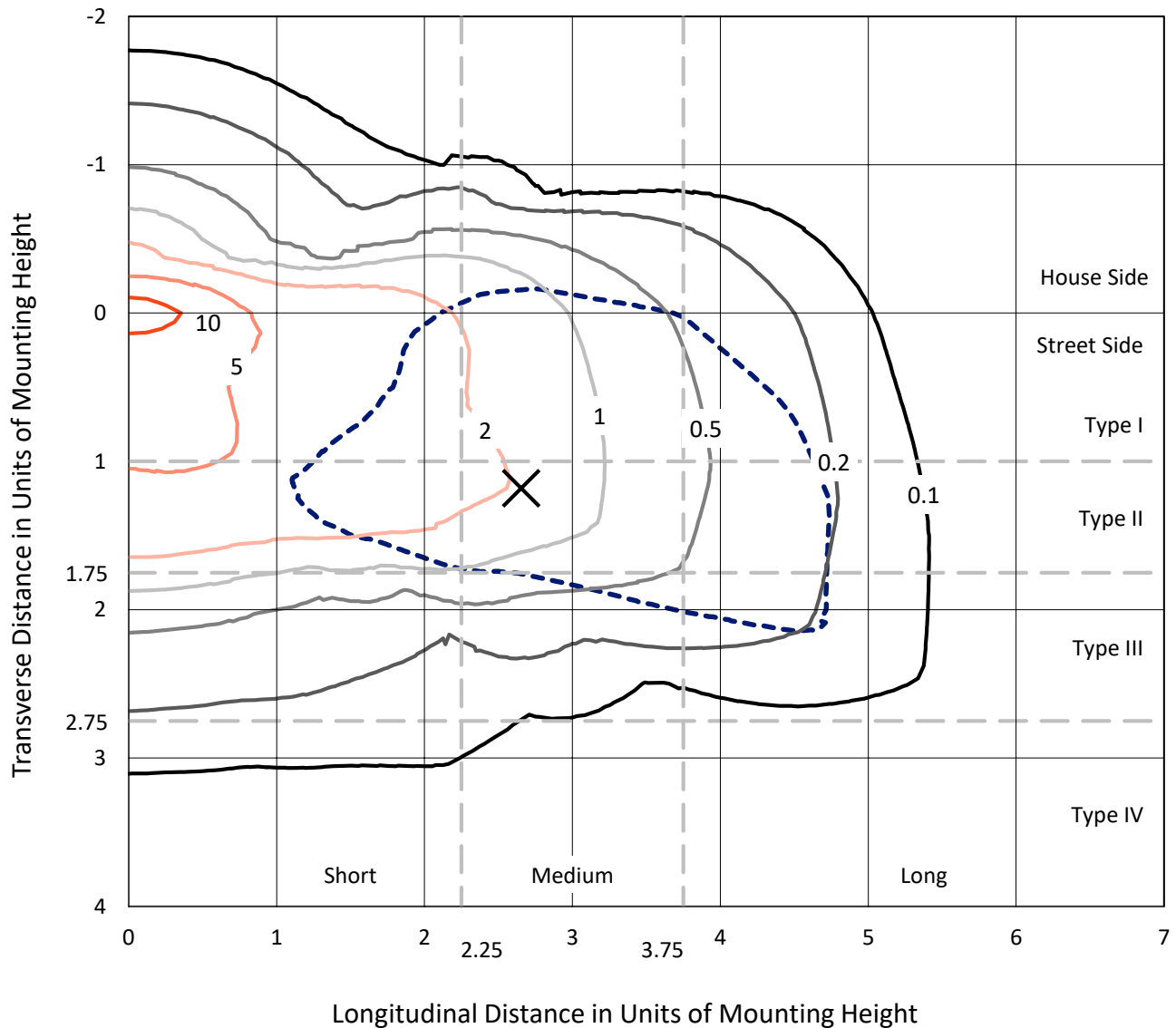
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

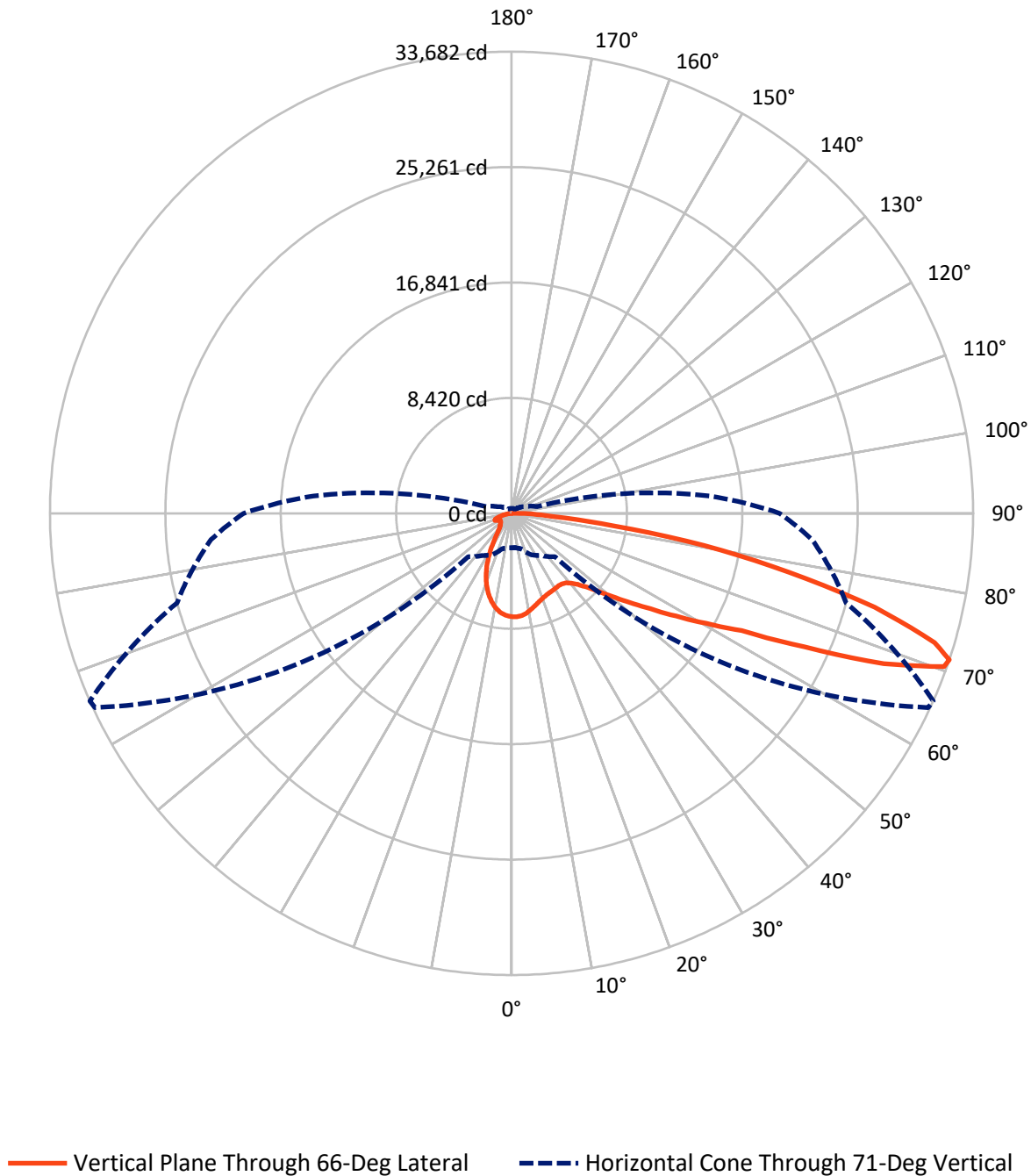
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6103.2	0.0	6103.2
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	26828.8	0.0	26828.8
	% Fixture	81.5	0.0	81.5
Total	Lumens	32932.0	0.0	32932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.1	2.0
10°-20°	1592.7	4.8
20°-30°	2139.4	6.5
30°-40°	2814.3	8.5
40°-50°	4094.1	12.4
50°-60°	6395.5	19.4
60°-70°	8011.4	24.3
70°-80°	6110.9	18.6
80°-90°	1109.7	3.4
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°	32932.0	100.0
0°-180°	32932.0	100.0

Coefficient of Utilization



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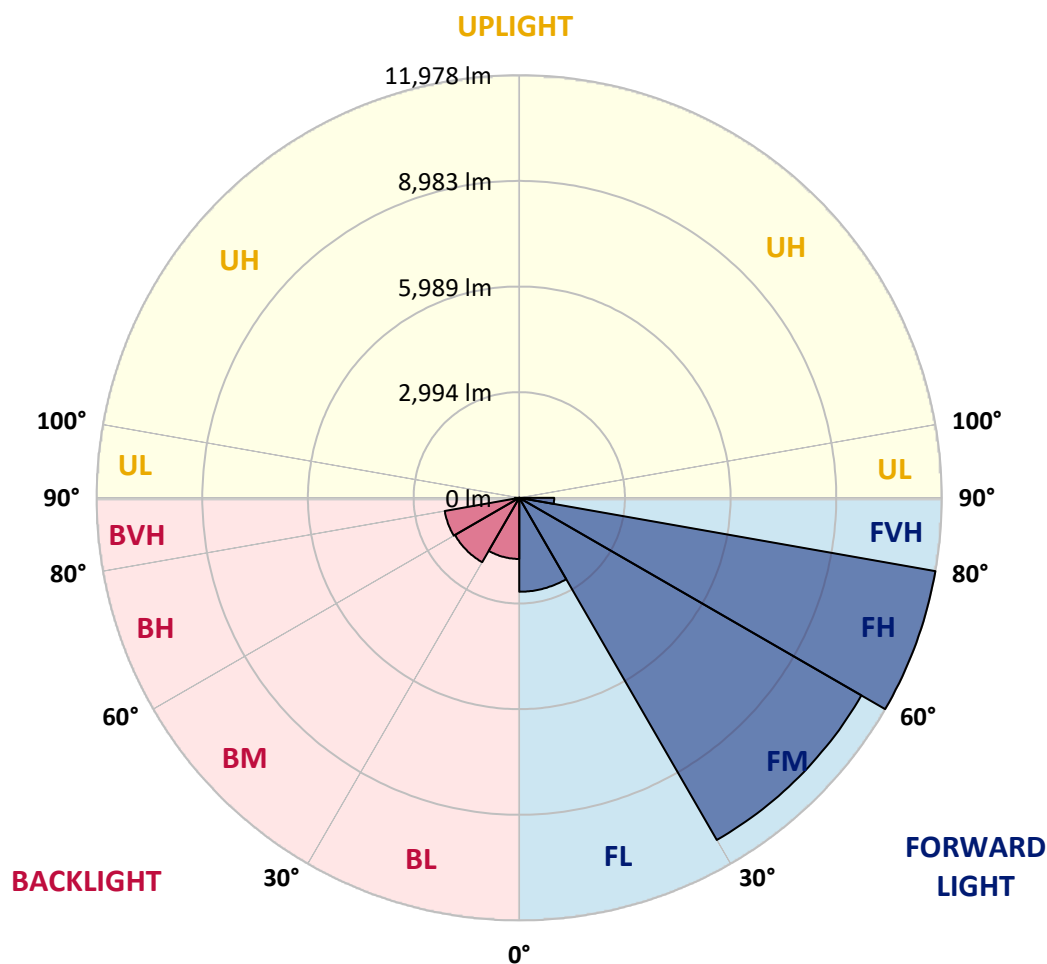
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2663.0	8.1			
FM	(30°-60°)	11198.5	34.0			
FH	(60°-80°)	11977.7	36.4			G4/12000
FVH	(80°-90°)	989.6	3.0			G5
BL	(0°-30°)	1733.1	5.3	B3/2500		
BM	(30°-60°)	2105.4	6.4	B2/2500		
BH	(60°-80°)	2144.5	6.5	B3/2500		G3/2500
BVH	(80°-90°)	120.1	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1
2.5°	7404.2	7392.9	7427.0	7462.2	7475.9	7498.6	7532.7	7552.0	7550.9	7554.3	7542.9
5°	6913.0	6898.3	6966.5	7022.2	7129.1	7249.6	7396.3	7500.9	7503.2	7562.3	7578.2
7.5°	6448.0	6437.8	6516.2	6606.0	6730.0	6914.2	7151.8	7376.9	7390.6	7550.9	7606.6
10°	6075.1	6072.8	6149.0	6246.8	6391.2	6597.0	6869.8	7199.6	7220.0	7496.3	7611.2
12.5°	5784.0	5788.5	5854.5	5965.9	6118.3	6333.2	6628.8	7000.6	7033.6	7409.9	7585.0
15°	5569.1	5587.3	5640.7	5753.3	5903.4	6121.7	6425.3	6816.4	6866.4	7313.3	7570.2
17.5°	5446.3	5466.8	5504.3	5597.5	5738.5	5948.9	6236.5	6665.2	6710.7	7239.4	7571.4
20°	5409.9	5427.0	5448.6	5505.4	5624.8	5815.8	6087.6	6528.7	6577.6	7180.2	7582.7
22.5°	5481.5	5494.0	5496.3	5491.8	5564.5	5720.3	5979.6	6428.7	6481.0	7141.6	7590.7
25°	5635.0	5652.1	5639.6	5597.5	5573.6	5669.1	5923.8	6362.7	6415.0	7113.2	7574.8
27.5°	5865.9	5868.1	5857.9	5803.3	5690.8	5674.8	5906.8	6324.1	6374.1	7080.2	7541.8
30°	6179.7	6194.4	6176.3	6102.4	5918.2	5765.8	5927.3	6286.5	6332.0	7038.1	7488.4
32.5°	6546.9	6583.3	6582.2	6504.9	6241.1	5969.3	6011.4	6263.8	6299.1	6993.8	7423.6
35°	6927.8	6977.9	7071.1	7038.1	6711.8	6291.1	6172.8	6300.2	6324.1	6988.1	7378.1
37.5°	7323.5	7373.5	7565.7	7654.4	7272.3	6751.6	6427.5	6428.7	6440.0	7057.4	7374.7
40°	7737.4	7790.8	8079.6	8310.4	7998.9	7334.9	6838.0	6697.0	6684.5	7228.0	7441.8
42.5°	8317.3	8365.0	8711.8	9006.3	8805.0	8081.9	7405.4	7110.9	7084.7	7562.3	7656.6
45°	9050.6	9091.6	9460.0	9774.9	9671.4	8934.7	8118.3	7680.5	7676.0	8119.4	8092.1
47.5°	9922.7	9954.6	10285.4	10590.1	10627.7	9915.9	9014.2	8559.4	8485.5	8883.5	8766.4
50°	10831.2	10866.4	11091.6	11419.0	11697.6	11229.1	10167.2	9636.2	9537.3	9892.0	9721.5
52.5°	11432.7	11479.3	11674.9	12089.9	12900.6	12668.6	11530.5	10941.5	10791.4	11114.3	10983.5
55°	11164.3	11268.9	11568.0	12233.1	13862.5	14867.6	13212.1	12463.9	12294.5	12562.9	12485.5
57.5°	9944.3	10087.6	10495.8	11522.5	13997.8	16805.1	15754.5	14257.0	14137.6	14060.3	14095.6
60°	7714.6	7852.2	8358.2	9696.4	13055.2	18219.5	19580.5	16467.4	16294.5	15563.4	15595.3
62.5°	5459.9	5390.6	5737.4	6716.3	10608.3	18385.5	23934.1	19423.6	18855.1	17150.7	17010.9
65°	4163.7	4147.8	4303.6	4615.1	6425.3	16399.1	26527.7	24392.3	23504.3	19017.7	18688.0
67.5°	3421.3	3392.8	3546.3	4000.0	4137.6	10579.9	26584.5	30157.0	29284.9	21341.7	20627.7
70°	2813.0	2781.1	2924.4	3510.0	3823.8	5365.6	22374.1	33532.8	33486.2	24284.3	22092.2
71°	2521.9	2499.2	2670.8	3321.2	3756.7	4471.9	19317.9	33541.9	33681.7	25280.4	22005.8
72.5°	2053.4	2061.4	2243.3	2956.2	3706.7	3948.8	14197.9	31978.5	32274.1	26229.8	21220.1
75°	1364.4	1371.2	1610.0	2274.0	3594.1	3863.6	7803.3	26833.5	27377.0	25661.3	19363.3
77.5°	916.4	914.2	1076.8	1560.0	3131.3	3863.6	4575.3	20069.4	20666.4	20418.5	14927.8
80°	631.0	626.5	741.3	1076.8	2370.7	3910.2	3537.2	14064.9	14245.6	11026.8	6067.1
82.5°	386.6	390.0	484.4	760.7	1613.4	3519.1	3339.4	7669.2	7472.5	3092.7	1515.6
85°	221.7	220.6	309.3	515.1	1035.8	2969.9	3256.4	3300.7	3027.9	931.2	548.0
87.5°	79.6	85.3	166.0	285.4	593.5	2068.2	2762.9	1716.9	1547.5	420.7	247.9
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°	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1	7544.1
2.5°	7535.0	7541.8	7533.9	7488.4	7449.7	7387.2	7351.9	7303.0	7288.3	7281.4	7299.6
5°	7563.4	7565.7	7498.6	7379.2	7245.0	7087.0	6973.3	6833.5	6767.5	6739.1	6757.3
7.5°	7589.6	7579.3	7432.7	7204.1	6956.2	6681.1	6436.6	6212.6	6081.9	6028.4	6033.0
10°	7593.0	7549.8	7314.4	6960.8	6576.5	6172.8	5797.6	5452.0	5233.7	5091.5	5134.8
12.5°	7557.7	7485.0	7140.4	6645.8	6112.6	5562.3	5055.2	4536.7	4225.1	4080.7	4085.3
15°	7530.4	7398.5	6926.7	6275.2	5558.9	4830.0	4137.6	3528.2	3196.1	3048.3	2979.0
17.5°	7507.7	7305.3	6678.8	5857.9	4905.1	3980.7	3148.4	2604.9	2423.0	2379.8	2361.6
20°	7475.9	7206.4	6402.5	5374.7	4160.3	3030.1	2299.0	2030.7	2031.8	2081.9	2088.7
22.5°	7431.5	7093.8	6108.0	4832.3	3361.0	2206.9	1802.2	1724.8	1803.3	1898.8	1915.9
25°	7365.6	6960.8	5780.6	4233.1	2562.8	1696.4	1539.5	1536.1	1631.6	1731.7	1746.5
27.5°	7272.3	6786.8	5416.7	3589.6	1888.6	1441.7	1379.2	1403.1	1473.6	1546.3	1552.0
30°	7147.3	6584.4	5015.4	2910.8	1480.4	1283.7	1276.9	1298.5	1341.7	1392.8	1397.4
32.5°	7009.7	6378.6	4586.7	2253.6	1267.8	1198.4	1205.2	1215.5	1235.9	1256.4	1260.9
35°	6884.6	6168.3	4147.8	1712.3	1166.6	1142.7	1138.2	1135.9	1138.2	1131.3	1132.5
37.5°	6803.9	5994.3	3690.7	1363.3	1108.6	1093.8	1080.2	1063.1	1043.8	1032.4	1034.7
40°	6774.3	5864.7	3228.0	1177.9	1060.8	1050.6	1024.4	988.1	965.3	958.5	958.5
42.5°	6853.9	5797.6	2781.1	1084.7	1021.0	1004.0	960.8	918.7	901.7	900.5	899.4
45°	7097.2	5824.9	2355.9	1033.5	984.7	951.7	894.8	859.6	848.2	850.5	849.3
47.5°	7533.9	5996.6	1992.0	999.4	948.3	905.1	841.4	813.0	799.3	799.3	800.5
50°	8276.3	6398.0	1702.1	971.0	917.6	861.9	802.7	767.5	749.3	748.2	748.2
52.5°	9357.6	7116.6	1521.3	947.1	883.5	823.2	764.1	719.7	698.1	693.6	691.3
55°	10712.9	8146.7	1471.3	931.2	838.0	781.1	717.5	673.1	649.2	639.0	637.9
57.5°	12228.6	9399.7	1570.2	911.9	791.4	731.1	666.3	624.2	599.2	586.7	585.6
60°	13762.4	10767.5	1973.9	884.6	752.7	676.5	614.0	575.3	550.3	536.7	534.4
62.5°	15298.5	12209.2	2798.2	882.3	725.4	624.2	560.5	527.6	503.7	488.9	485.5
65°	17031.3	13787.4	3735.1	942.6	716.3	576.5	506.0	479.8	459.4	445.7	444.6
67.5°	19021.1	15569.1	3645.3	1066.5	747.0	533.3	454.8	434.3	419.6	408.2	407.1
70°	19954.6	15290.6	2266.1	1154.1	790.2	491.2	405.9	391.1	379.8	371.8	368.4
71°	19563.5	14518.5	1899.9	1143.8	785.7	473.0	386.6	375.2	363.8	357.0	353.6
72.5°	18496.9	13240.5	1585.0	1064.2	734.5	440.0	361.6	350.2	340.0	332.0	329.7
75°	16598.1	11824.9	1268.9	850.5	585.6	371.8	317.2	304.7	296.8	292.2	287.7
77.5°	12201.3	8438.9	981.2	672.0	430.9	303.6	270.6	261.5	253.6	246.7	243.3
80°	4674.3	3268.9	660.6	501.4	316.1	239.9	218.3	213.8	205.8	201.3	201.3
82.5°	1258.7	976.7	352.5	303.6	211.5	175.1	167.1	164.9	158.0	148.9	150.1
85°	509.4	430.9	197.8	167.1	129.6	103.5	112.6	113.7	105.7	94.4	95.5
87.5°	224.0	183.1	110.3	73.9	56.9	39.8	51.2	51.2	46.6	38.7	35.2
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)