

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: P319960

Luminaire Tested: **GAN-SA6B-730-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29577 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

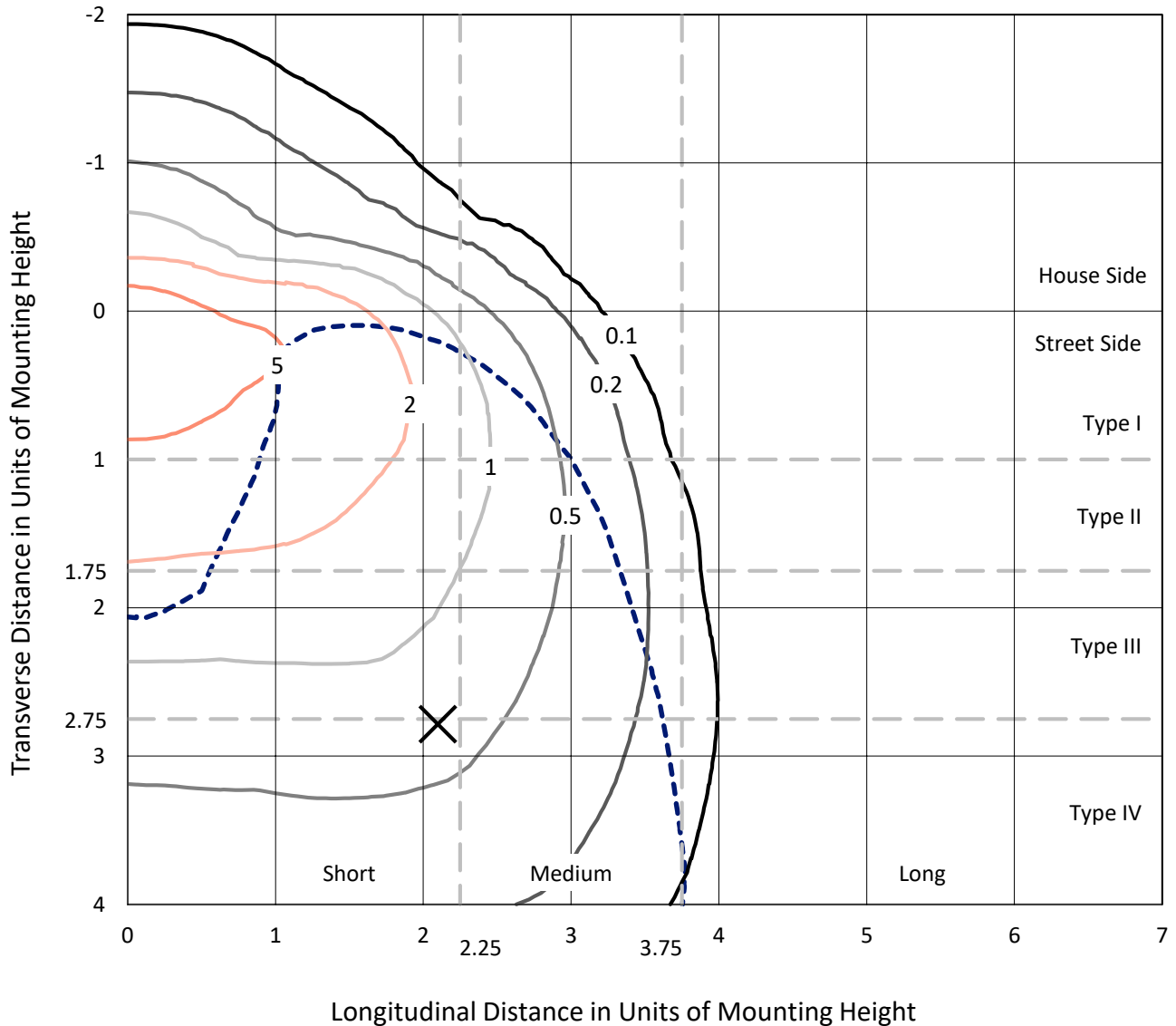
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

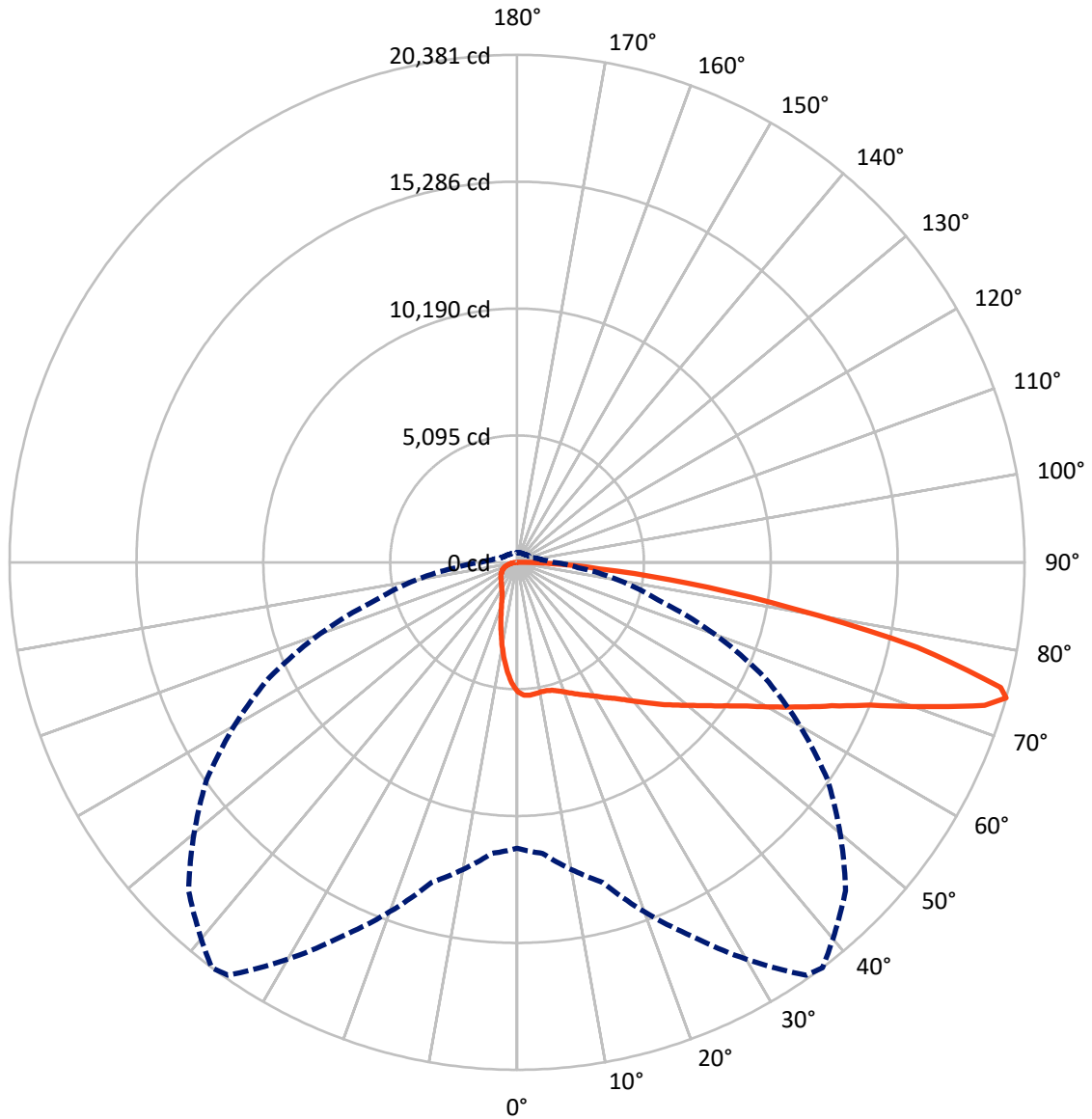
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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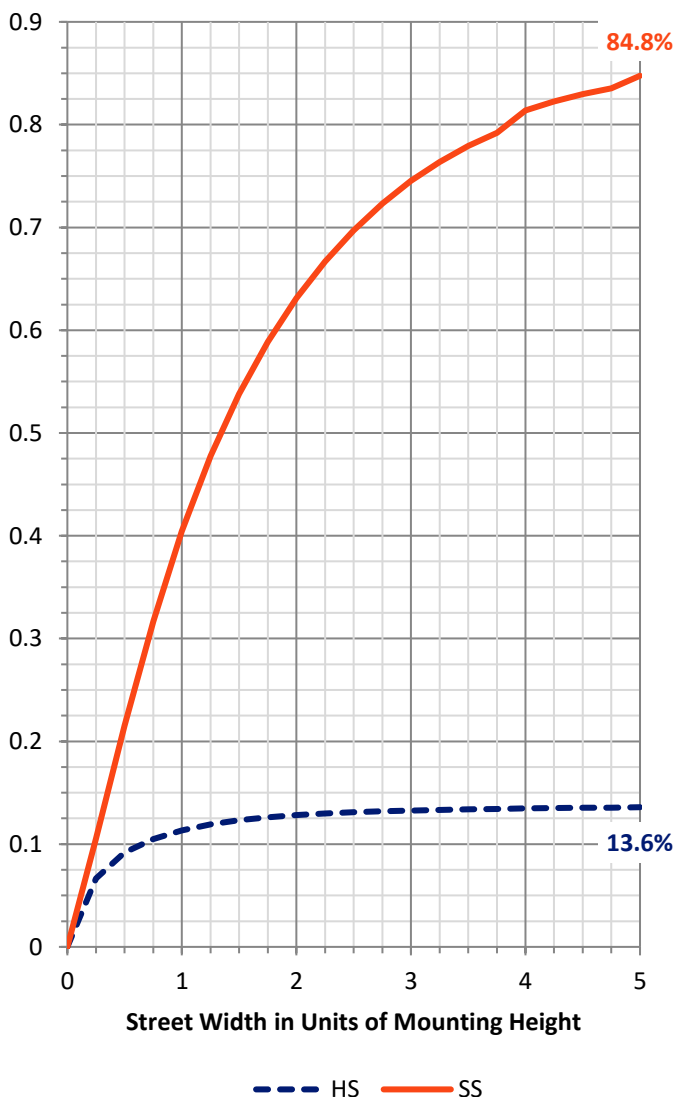
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4069.6	0.0	4069.6
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	25507.4	0.0	25507.4
	% Fixture	86.2	0.0	86.2
Total	Lumens	29577.0	0.0	29577.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.9	1.6
10°-20°	1176.3	4.0
20°-30°	1812.5	6.1
30°-40°	2635.6	8.9
40°-50°	3879.2	13.1
50°-60°	5447.6	18.4
60°-70°	6895.0	23.3
70°-80°	6071.3	20.5
80°-90°	1200.4	4.1
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°	29577.0	100.0
0°-180°	29577.0	100.0

Coefficient of Utilization

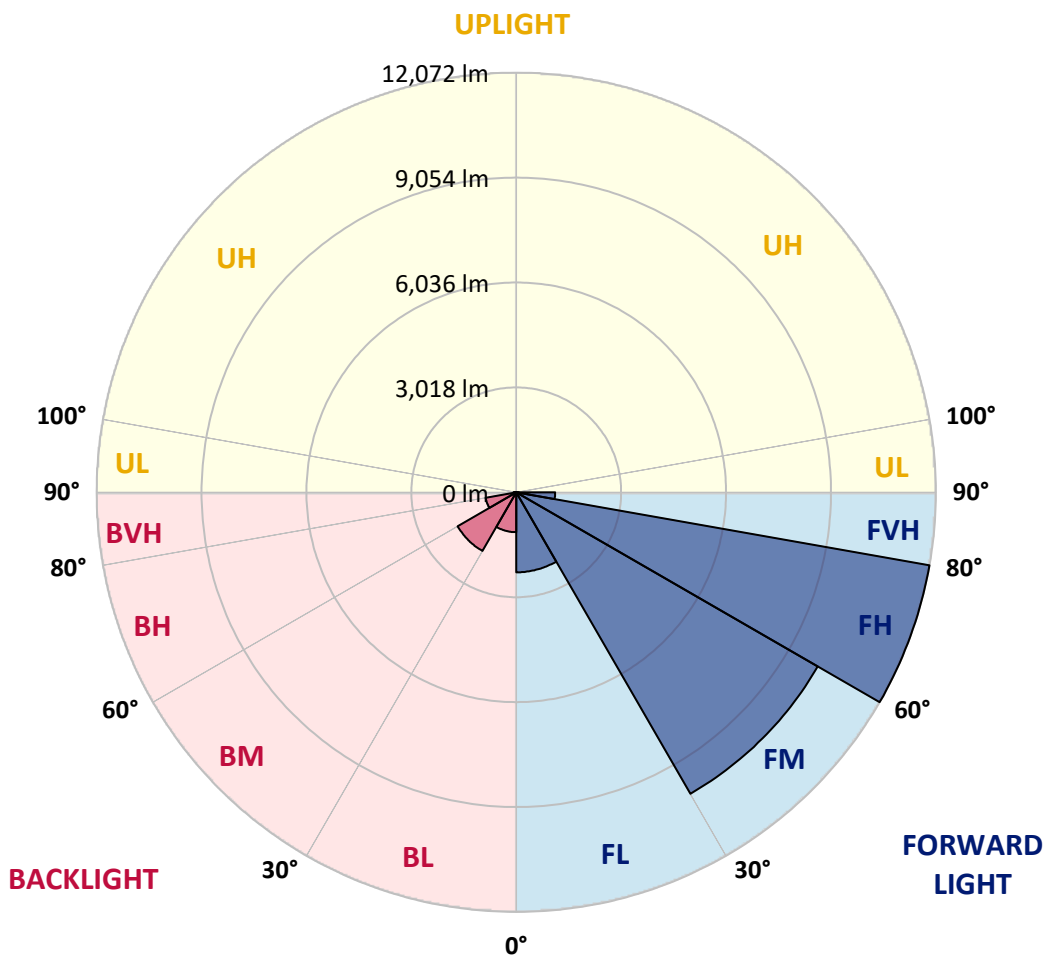


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2301.4	7.8			
FM (30°-60°)	10015.0	33.9			
FH (60°-80°)	12071.8	40.8			G5
FVH (80°-90°)	1119.1	3.8			G5
BL (0°-30°)	1146.3	3.9	B3/2500		
BM (30°-60°)	1947.5	6.6	B2/2500		
BH (60°-80°)	894.5	3.0	B2/1000		G2/1000
BVH (80°-90°)	81.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4
2.5°	5389.5	5390.6	5389.5	5381.2	5361.4	5344.7	5331.2	5311.4	5267.6	5234.3	5184.3
5°	5440.6	5434.3	5430.1	5414.5	5383.3	5364.5	5338.5	5301.0	5229.1	5162.4	5081.1
7.5°	5416.6	5409.3	5399.9	5381.2	5345.8	5330.1	5293.7	5244.7	5158.2	5070.7	4954.0
10°	5342.6	5340.5	5336.4	5332.2	5302.0	5289.5	5256.2	5204.1	5118.6	5012.4	4875.9
12.5°	5260.3	5265.5	5282.2	5304.1	5290.5	5284.3	5263.4	5228.0	5140.5	5025.9	4861.3
15°	5208.2	5222.8	5267.6	5324.9	5336.4	5334.3	5329.1	5306.2	5213.4	5086.3	4894.6
17.5°	5190.5	5214.5	5299.9	5394.7	5428.1	5435.4	5437.4	5397.8	5294.7	5160.3	4929.0
20°	5222.8	5253.0	5378.0	5508.3	5561.4	5565.6	5556.2	5487.4	5371.8	5223.9	4947.8
22.5°	5320.7	5347.8	5504.1	5651.0	5711.4	5717.7	5689.6	5585.4	5453.1	5298.9	4973.8
25°	5509.3	5542.7	5698.9	5845.8	5877.1	5878.1	5837.5	5708.3	5559.3	5404.1	5030.1
27.5°	5755.2	5788.5	5929.2	6073.0	6056.3	6046.9	5991.7	5862.5	5697.9	5548.9	5130.1
30°	6029.2	6065.7	6199.0	6301.1	6261.5	6242.8	6198.0	6031.3	5890.6	5746.9	5283.2
32.5°	6312.6	6345.9	6462.6	6532.4	6482.4	6474.1	6406.4	6254.2	6141.7	6049.0	5531.2
35°	6603.3	6627.2	6741.8	6781.4	6714.7	6712.7	6693.9	6554.3	6483.5	6527.2	5891.7
37.5°	6900.2	6906.4	7004.4	7006.5	6986.7	6995.0	7014.8	6927.3	6947.1	7083.6	6360.5
40°	7164.8	7181.5	7252.3	7274.2	7308.6	7337.8	7436.8	7379.5	7532.6	7774.3	6944.0
42.5°	7360.7	7393.0	7506.6	7562.8	7674.3	7720.1	7859.7	7912.9	8221.3	8583.8	7637.8
45°	7526.4	7576.4	7758.7	7874.3	8062.9	8143.1	8343.2	8521.3	8999.5	9462.1	8368.2
47.5°	7705.6	7769.1	7997.3	8218.1	8474.4	8565.1	8928.7	9195.4	9829.9	10345.6	9056.8
50°	7969.1	8018.1	8241.1	8588.0	8907.9	9024.5	9527.8	9910.1	10673.8	11187.4	9653.8
52.5°	8336.9	8318.2	8506.7	8993.3	9422.5	9566.3	10167.5	10670.7	11529.2	11949.0	10158.1
55°	8706.8	8675.5	8807.8	9417.3	10022.6	10173.7	10871.7	11434.3	12342.8	12634.6	10544.6
57.5°	9118.3	9058.9	9170.4	9895.5	10706.1	10886.3	11660.4	12245.9	13143.0	13188.8	10790.5
60°	9542.3	9462.1	9587.1	10488.3	11574.0	11786.5	12583.5	13037.8	13897.3	13632.7	10869.7
62.5°	9913.2	9857.0	10049.7	11149.9	12552.3	12785.6	13489.9	13879.6	14641.2	13817.1	10584.2
65°	10237.3	10246.6	10580.0	11893.8	13643.1	13892.1	14529.7	14917.3	15226.7	13707.7	9916.4
67.5°	10623.8	10676.9	11245.8	12873.1	15016.2	15289.2	16042.5	16048.7	15553.8	13065.9	8601.5
70°	11187.4	11296.8	12161.6	14231.7	16968.7	17343.7	17925.1	16713.4	15094.4	11326.0	6767.9
72.5°	11687.5	11891.7	13135.7	15786.2	19348.3	19632.7	19026.3	16330.0	13174.2	8488.0	4216.4
74°	11484.4	11737.5	13312.8	16551.9	20244.3	20380.7	18654.4	15211.1	10984.3	5878.1	2450.4
75°	11046.8	11321.8	13054.4	16544.6	20130.7	20054.6	17756.3	13932.7	9046.4	4009.1	1630.5
77.5°	8915.1	9205.8	10999.9	14179.6	16506.1	16434.2	13640.0	9346.5	3962.2	1314.8	828.3
80°	5183.2	5405.1	6828.3	9004.7	11130.1	11260.4	8970.4	4624.8	1558.6	738.7	561.6
82.5°	2302.5	2455.6	3298.5	4596.7	6716.8	6884.6	4697.7	2423.4	962.7	449.0	337.6
85°	1510.7	1624.3	2002.4	2188.9	3198.5	3313.1	2299.4	1886.8	635.5	246.9	248.0
87.5°	1086.7	1196.0	1487.8	1299.2	1468.0	1389.8	1251.3	1746.1	255.3	140.7	83.3
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°	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4	5211.4
2.5°	5162.4	5145.7	5108.2	5037.4	4997.8	4964.4	4909.2	4876.9	4862.3	4861.3	4867.5
5°	5034.2	4995.7	4898.8	4780.0	4685.2	4598.7	4491.4	4426.8	4381.0	4353.9	4361.2
7.5°	4885.3	4824.8	4672.7	4483.1	4331.0	4163.2	3997.6	3898.6	3821.5	3764.2	3774.6
10°	4783.2	4699.8	4477.9	4204.9	3951.8	3708.0	3479.8	3343.3	3235.0	3151.6	3157.9
12.5°	4748.8	4636.2	4328.9	3964.3	3609.0	3275.6	2977.6	2768.2	2656.7	2561.9	2569.2
15°	4754.0	4602.9	4203.9	3747.5	3300.6	2880.7	2519.2	2274.4	2123.3	2057.7	2058.7
17.5°	4758.1	4564.4	4072.6	3515.2	2995.3	2511.9	2119.1	1871.2	1728.4	1668.0	1669.0
20°	4744.6	4501.9	3910.1	3248.5	2676.5	2173.3	1793.0	1582.6	1474.2	1427.3	1427.3
22.5°	4726.9	4427.9	3726.7	2980.7	2361.9	1879.5	1559.7	1399.2	1336.7	1305.4	1304.4
25°	4735.2	4372.7	3539.2	2705.7	2072.2	1645.1	1404.4	1298.1	1256.5	1236.7	1235.6
27.5°	4780.0	4346.6	3366.2	2431.7	1819.1	1469.0	1300.2	1225.2	1198.1	1185.6	1185.6
30°	4861.3	4346.6	3186.0	2198.3	1608.6	1338.8	1220.0	1169.0	1150.2	1141.9	1141.9
32.5°	5003.0	4370.6	3012.0	1967.0	1440.9	1236.7	1153.3	1119.0	1104.4	1100.2	1100.2
35°	5246.8	4451.8	2842.2	1748.2	1305.4	1153.3	1089.8	1070.0	1059.6	1058.5	1061.6
37.5°	5589.5	4617.5	2682.8	1586.7	1209.6	1085.6	1036.6	1021.0	1014.8	1020.0	1024.1
40°	6020.9	4842.5	2538.0	1440.9	1136.7	1031.4	987.7	977.3	974.1	981.4	987.7
42.5°	6541.8	5146.8	2419.2	1335.7	1080.4	985.6	946.0	933.5	930.4	938.7	947.0
45°	7105.4	5473.9	2335.8	1257.5	1036.6	951.2	909.5	896.0	889.7	893.9	903.3
47.5°	7618.0	5783.3	2302.5	1202.3	995.0	922.0	877.2	860.6	850.2	848.1	855.4
50°	8050.4	6013.6	2318.1	1169.0	961.6	889.7	846.0	827.2	811.6	802.2	807.4
52.5°	8365.0	6158.4	2332.7	1154.4	935.6	854.3	811.6	793.9	773.1	757.4	757.4
55°	8593.2	6191.7	2300.4	1142.9	915.8	815.8	773.1	756.4	735.5	717.8	715.8
57.5°	8682.8	6098.0	2180.6	1126.2	902.2	779.3	732.4	719.9	702.2	681.4	680.3
60°	8562.0	5808.3	1949.3	1090.8	884.5	749.1	691.8	683.5	675.1	655.3	654.3
62.5°	8076.5	5172.8	1650.3	1018.9	849.1	716.8	654.3	658.5	659.5	645.9	643.9
65°	7196.1	4299.7	1358.6	925.2	796.0	678.2	615.7	635.5	647.0	644.9	641.8
67.5°	5916.7	3346.4	1151.2	826.2	726.2	625.1	574.1	597.0	606.4	613.7	611.6
70°	4391.4	2359.8	952.3	722.0	641.8	562.6	519.9	531.3	525.1	533.4	536.6
72.5°	2448.4	1415.9	776.2	617.8	554.3	489.7	459.5	457.4	443.8	443.8	443.8
74°	1469.0	1038.7	682.4	553.2	501.1	441.7	415.7	406.3	393.8	394.9	393.8
75°	1181.5	892.9	626.2	510.5	463.6	413.6	387.6	375.1	365.7	365.7	364.6
77.5°	746.0	678.2	504.3	406.3	370.9	340.7	323.0	306.3	306.3	305.3	304.2
80°	563.6	539.7	392.8	307.3	284.4	261.5	250.0	242.8	242.8	245.9	244.8
82.5°	386.5	406.3	276.1	214.6	203.2	186.5	184.4	185.4	182.3	178.2	177.1
85°	282.3	305.3	186.5	135.4	124.0	113.6	121.9	126.1	120.9	111.5	107.3
87.5°	108.4	200.0	100.0	56.3	52.1	44.8	52.1	54.2	58.3	45.8	46.9
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)