

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: P321870

Luminaire Tested: **GAN-SA6A-730-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18058 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

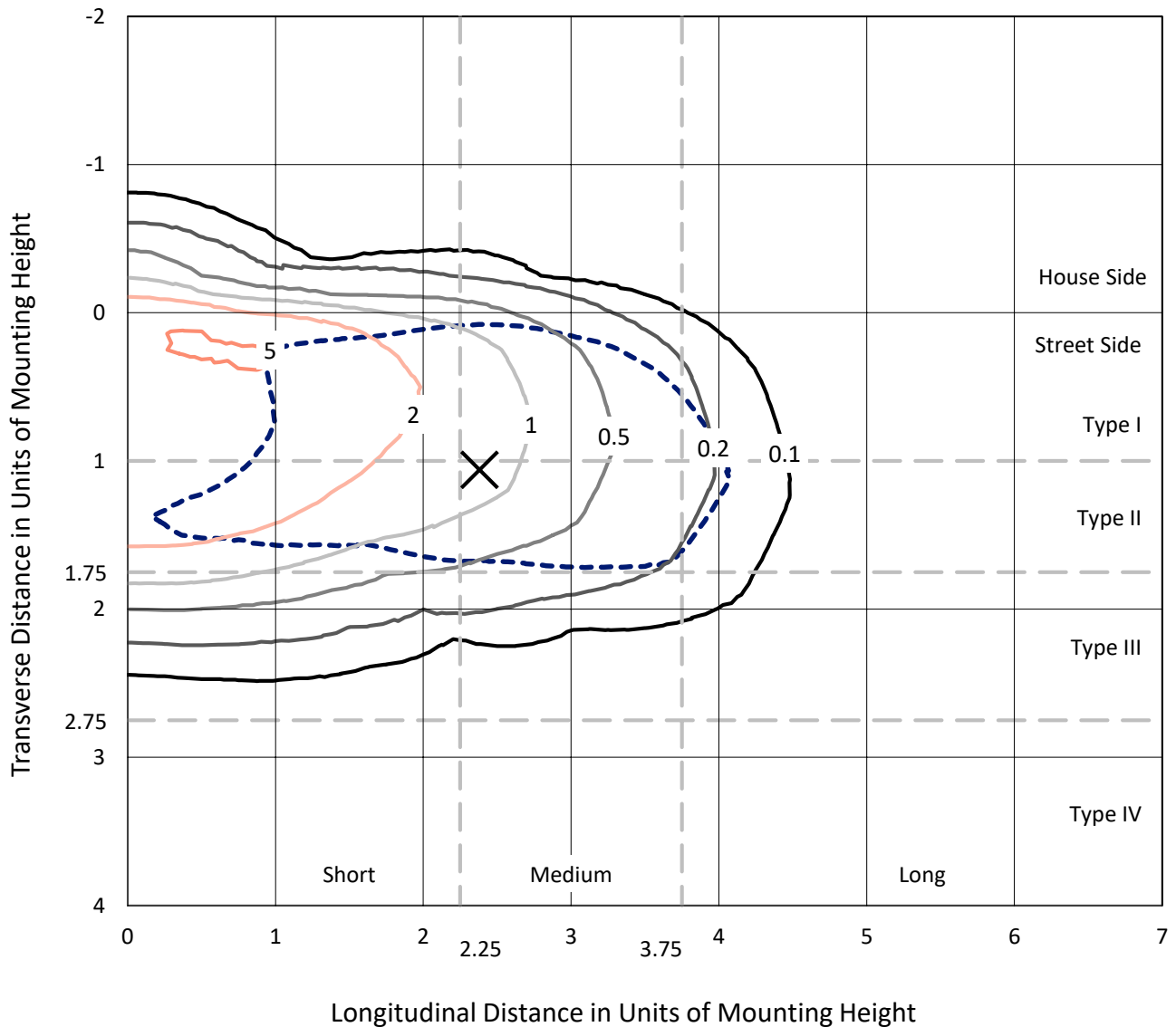
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

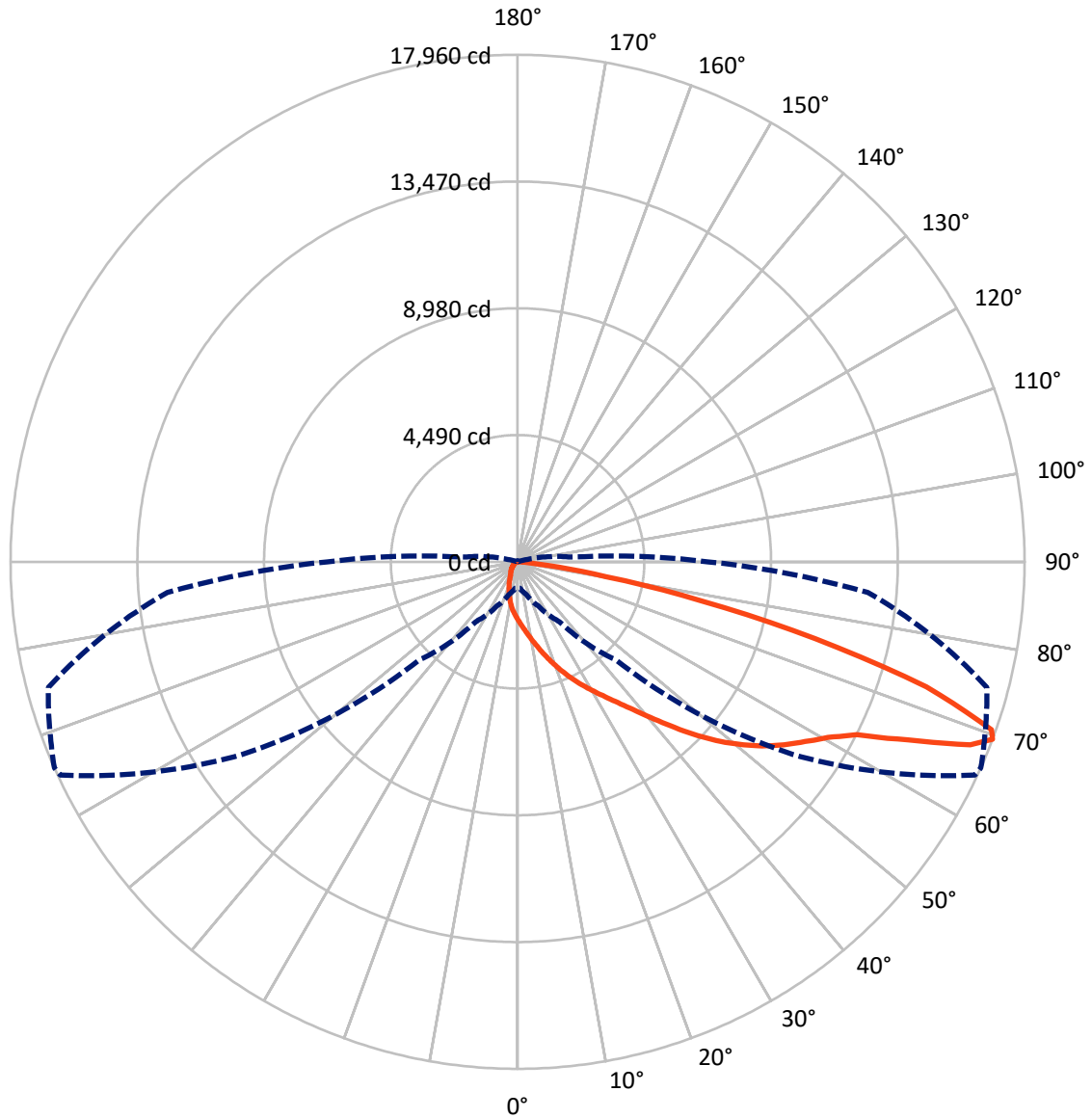
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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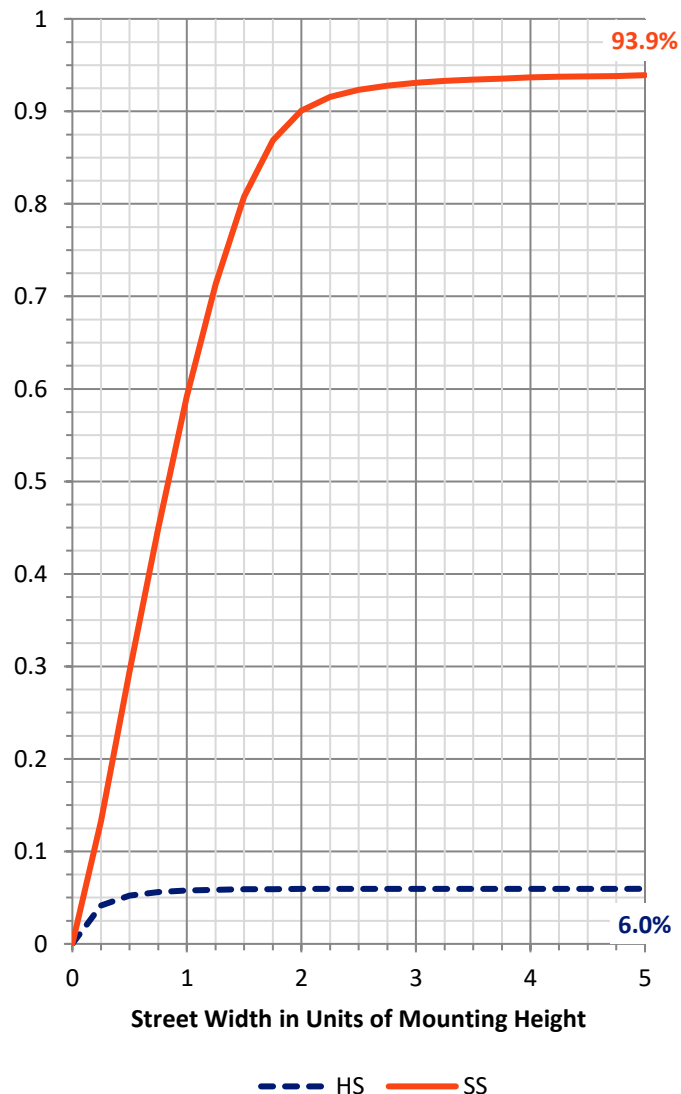
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.2	0.0	1083.2
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	16974.8	0.0	16974.8
	% Fixture	94.0	0.0	94.0
Total	Lumens	18058.0	0.0	18058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.6	1.1
10°-20°	591.2	3.3
20°-30°	1029.5	5.7
30°-40°	1806.3	10.0
40°-50°	3023.5	16.7
50°-60°	4444.2	24.6
60°-70°	4563.1	25.3
70°-80°	2252.7	12.5
80°-90°	149.0	0.8
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°	18058.0	100.0
0°-180°	18058.0	100.0

Coefficient of Utilization

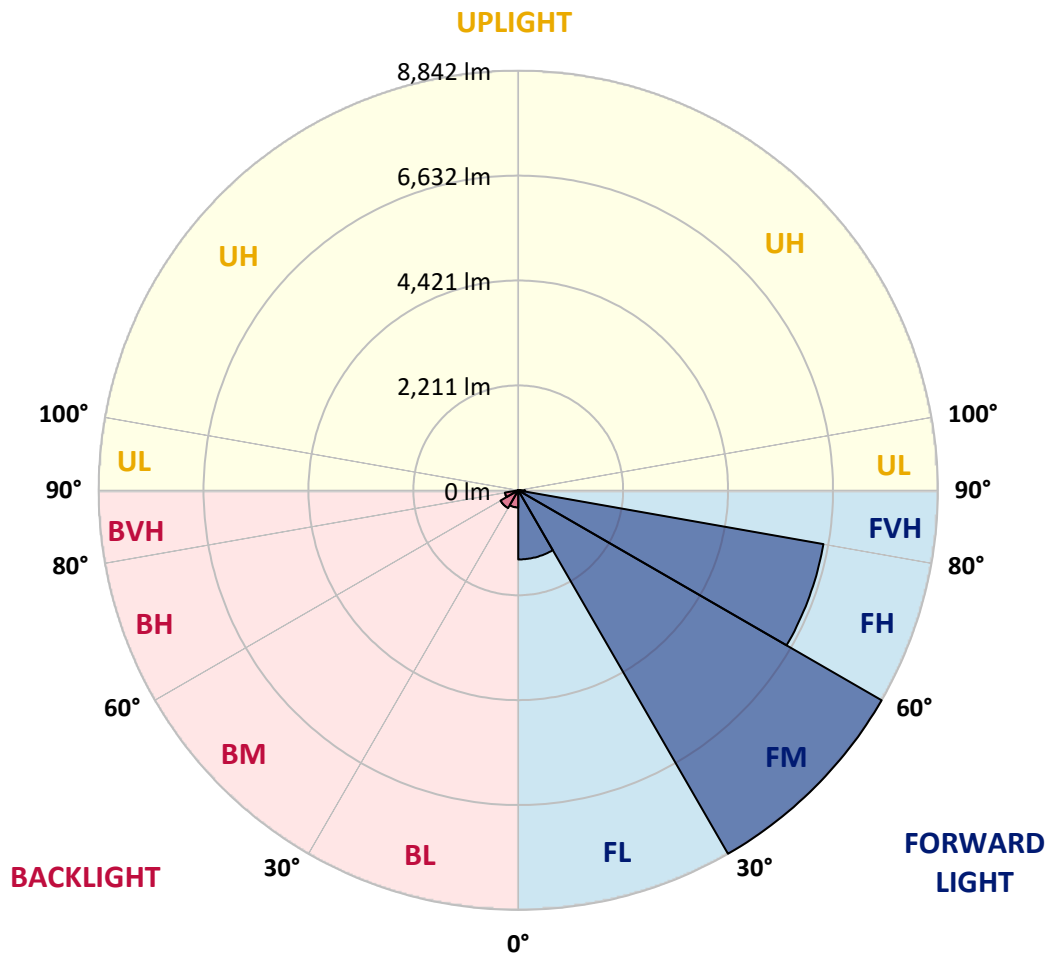


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1457.1	8.1			
FM (30°-60°)	8842.1	49.0			
FH (60°-80°)	6530.3	36.2			G3/7500
FVH (80°-90°)	145.4	0.8			G2/225
BL (0°-30°)	362.3	2.0	B1/500		
BM (30°-60°)	431.9	2.4	B1/1000		
BH (60°-80°)	285.5	1.6	B1/500		G1/500
BVH (80°-90°)	3.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1
2.5°	2418.7	2408.4	2404.1	2385.3	2352.7	2327.8	2279.8	2224.0	2213.7	2159.7	2093.7
5°	2732.6	2724.1	2718.1	2691.5	2658.0	2595.4	2507.9	2404.1	2384.4	2281.5	2149.4
7.5°	2951.4	2966.8	2966.8	2949.6	2907.6	2860.4	2753.2	2611.7	2586.8	2429.0	2224.0
10°	3079.2	3098.0	3112.6	3127.2	3121.2	3102.3	3001.1	2841.6	2811.6	2602.3	2310.7
12.5°	3091.2	3110.0	3151.2	3212.1	3271.3	3314.2	3250.7	3096.3	3062.0	2803.0	2413.6
15°	3024.3	3044.0	3107.5	3225.8	3369.1	3494.3	3514.9	3378.5	3343.3	3042.3	2542.2
17.5°	2907.6	2920.5	3011.4	3175.2	3399.9	3629.8	3754.2	3681.3	3648.7	3315.9	2685.5
20°	2821.0	2830.4	2910.2	3086.0	3381.1	3714.7	3980.6	4002.9	3968.6	3609.2	2840.7
22.5°	2969.4	2986.5	2989.1	3072.3	3329.6	3756.7	4179.6	4319.4	4293.7	3920.6	2993.4
25°	3375.1	3394.8	3329.6	3278.1	3373.3	3775.6	4350.3	4643.6	4623.0	4255.9	3146.9
27.5°	3911.1	3931.7	3847.7	3694.1	3602.4	3846.8	4502.1	4973.0	4972.1	4611.0	3312.5
30°	4437.8	4458.3	4372.6	4219.0	4008.0	4048.4	4633.3	5317.8	5322.9	4977.3	3488.3
32.5°	4990.1	5015.9	4927.5	4730.2	4509.8	4396.6	4817.7	5664.3	5693.4	5401.8	3686.4
35°	5618.0	5621.4	5497.0	5290.3	5036.4	4862.3	5113.6	6052.8	6122.3	5927.6	3937.7
37.5°	6233.8	6258.7	6156.6	5830.7	5597.4	5400.1	5553.6	6538.3	6636.9	6570.0	4266.2
40°	6690.1	6742.4	6727.8	6376.2	6154.9	6014.2	6100.0	7115.5	7240.7	7317.9	4680.5
42.5°	6976.6	7016.0	7082.9	6871.1	6670.4	6693.5	6745.0	7788.0	7942.3	8170.5	5156.5
45°	7305.1	7323.9	7379.7	7286.2	7150.7	7384.0	7429.4	8545.3	8707.4	9087.4	5684.9
47.5°	7706.5	7751.1	7766.5	7680.7	7619.0	7994.7	8089.0	9234.0	9461.3	10069.4	6244.1
50°	8217.7	8229.7	8256.3	8200.5	8138.8	8519.6	8680.8	9957.1	10163.8	11054.9	6795.6
52.5°	8717.7	8760.6	8853.2	8818.1	8793.2	8966.4	9208.3	10608.9	10839.7	11876.6	7346.2
55°	8861.8	8898.7	9218.6	9437.3	9639.7	9517.1	9712.6	11193.0	11442.6	12610.8	7876.3
57.5°	8286.3	8360.9	8915.0	9484.5	10324.2	10373.1	10405.7	11792.6	12016.4	13173.5	8427.8
60°	6831.6	6846.2	7755.4	8732.3	10211.0	11120.1	11417.8	12436.7	12624.5	13697.5	9088.2
62.5°	4345.1	4493.5	5491.0	6870.2	9013.6	11012.1	12641.7	13411.1	13479.7	14326.2	10035.1
65°	2069.6	2165.7	2884.5	4244.8	6528.8	9628.6	13486.5	15173.6	15204.5	15572.5	11300.2
67.5°	1145.9	1192.2	1534.4	2284.9	3816.8	6809.3	13145.2	17261.3	17290.5	16845.3	12410.1
69°	896.3	935.8	1205.1	1722.3	2587.7	4894.1	11895.5	17872.8	17959.5	17209.8	12449.6
70°	760.8	799.4	1037.8	1454.7	2080.8	3781.6	10588.4	17721.0	17812.8	17175.5	12155.4
72.5°	465.7	488.0	691.3	1024.1	1394.6	1902.4	6529.7	14986.7	15141.9	15755.2	10446.8
75°	313.9	325.9	432.3	706.7	997.5	979.5	3392.2	10563.5	10899.7	12255.7	7715.9
77.5°	224.7	235.9	289.9	457.2	699.0	646.7	1536.1	6564.9	6636.9	7350.5	4207.9
80°	127.8	138.1	205.0	271.9	474.3	431.4	610.7	3135.8	3171.8	3152.1	1404.9
82.5°	66.9	75.5	112.4	179.3	304.5	282.2	253.9	1049.8	1055.0	877.4	307.9
85°	12.9	15.4	55.8	122.7	157.0	122.7	103.8	246.2	251.3	222.1	76.3
87.5°	0.0	0.9	22.3	27.4	30.9	31.7	33.5	48.0	51.5	69.5	20.6
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°	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1	2055.1
2.5°	2064.5	2033.6	1974.4	1905.8	1852.6	1800.3	1759.2	1716.3	1700.8	1693.1	1692.2
5°	2085.1	2019.9	1894.7	1766.0	1660.5	1561.0	1489.8	1422.1	1390.3	1375.8	1369.8
7.5°	2119.4	2014.7	1813.2	1616.8	1465.0	1340.6	1242.0	1168.2	1131.3	1115.9	1109.9
10°	2159.7	2007.9	1718.0	1459.0	1265.1	1136.5	1038.7	965.8	925.5	908.3	899.7
12.5°	2206.9	1995.9	1608.2	1299.4	1094.4	965.8	847.4	757.4	711.0	691.3	681.9
15°	2265.2	1983.9	1493.3	1149.3	944.3	787.4	657.9	597.0	587.5	584.1	585.0
17.5°	2322.7	1965.0	1368.0	1000.9	786.5	615.0	548.9	545.5	547.2	547.2	547.2
20°	2374.1	1922.1	1231.7	874.0	636.4	518.9	505.2	499.2	494.9	491.5	487.2
22.5°	2414.4	1864.6	1100.4	747.9	519.8	475.2	453.7	434.9	419.4	409.1	404.0
25°	2441.9	1788.3	980.4	627.0	467.4	432.3	393.7	362.0	337.9	323.4	317.4
27.5°	2462.5	1706.0	873.1	524.9	431.4	382.5	331.9	294.2	269.3	256.5	251.3
30°	2477.0	1612.5	778.8	461.4	391.1	330.2	276.2	239.3	221.3	214.4	211.0
32.5°	2490.8	1508.7	689.6	431.4	353.4	282.2	231.6	203.3	192.1	183.5	181.0
35°	2525.1	1412.6	604.7	399.7	314.8	241.0	199.0	178.4	167.3	162.1	160.4
37.5°	2606.6	1341.4	523.2	367.1	276.2	208.4	174.1	159.5	149.2	144.1	142.4
40°	2737.8	1305.4	454.6	331.9	238.4	183.5	157.8	144.1	132.9	125.2	123.5
42.5°	2930.8	1310.6	406.6	296.8	208.4	163.8	142.4	126.1	114.1	107.2	105.5
45°	3164.9	1348.3	373.1	262.5	183.5	148.4	125.2	108.1	96.9	90.9	89.2
47.5°	3418.8	1409.2	345.7	231.6	163.8	133.8	108.1	90.1	80.6	75.5	74.6
50°	3686.4	1468.4	317.4	201.6	146.7	119.2	90.9	74.6	66.9	62.6	60.9
52.5°	3957.4	1537.0	291.6	174.1	132.1	102.1	75.5	60.9	54.9	51.5	49.7
55°	4249.1	1588.5	266.7	152.7	117.5	86.6	62.6	50.6	45.5	41.2	40.3
57.5°	4592.1	1668.2	241.0	132.1	100.4	72.0	51.5	40.3	36.0	31.7	30.9
60°	5055.3	1761.7	213.6	116.6	82.3	59.2	42.0	32.6	27.4	24.0	23.2
62.5°	5666.0	1865.5	179.3	102.1	66.9	48.0	33.5	25.7	19.7	15.4	15.4
65°	6440.5	2034.5	146.7	85.8	54.9	39.5	25.7	18.9	11.2	6.9	6.9
67.5°	6892.5	2063.6	118.4	70.3	44.6	33.5	21.4	12.9	3.4	0.9	0.0
69°	6747.6	1894.7	100.4	60.0	38.6	31.7	19.7	9.4	1.7	0.0	0.0
70°	6474.8	1732.6	88.3	53.2	35.2	30.0	18.9	6.9	1.7	0.0	0.0
72.5°	5350.4	1233.4	66.9	39.5	25.7	26.6	17.2	4.3	1.7	0.0	0.0
75°	3897.4	749.6	48.0	27.4	16.3	19.7	12.0	1.7	0.9	0.0	0.0
77.5°	2168.3	353.4	30.0	15.4	10.3	12.0	6.0	0.0	0.0	0.0	0.0
80°	704.2	96.1	13.7	8.6	6.0	6.9	2.6	0.0	0.0	0.0	0.0
82.5°	130.4	27.4	7.7	4.3	1.7	1.7	0.0	0.0	0.0	0.0	0.0
85°	28.3	11.2	4.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.4	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)