

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: P317485

Luminaire Tested: **GAN-SA1C-750-U-T2R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-750-U-T2R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7715 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

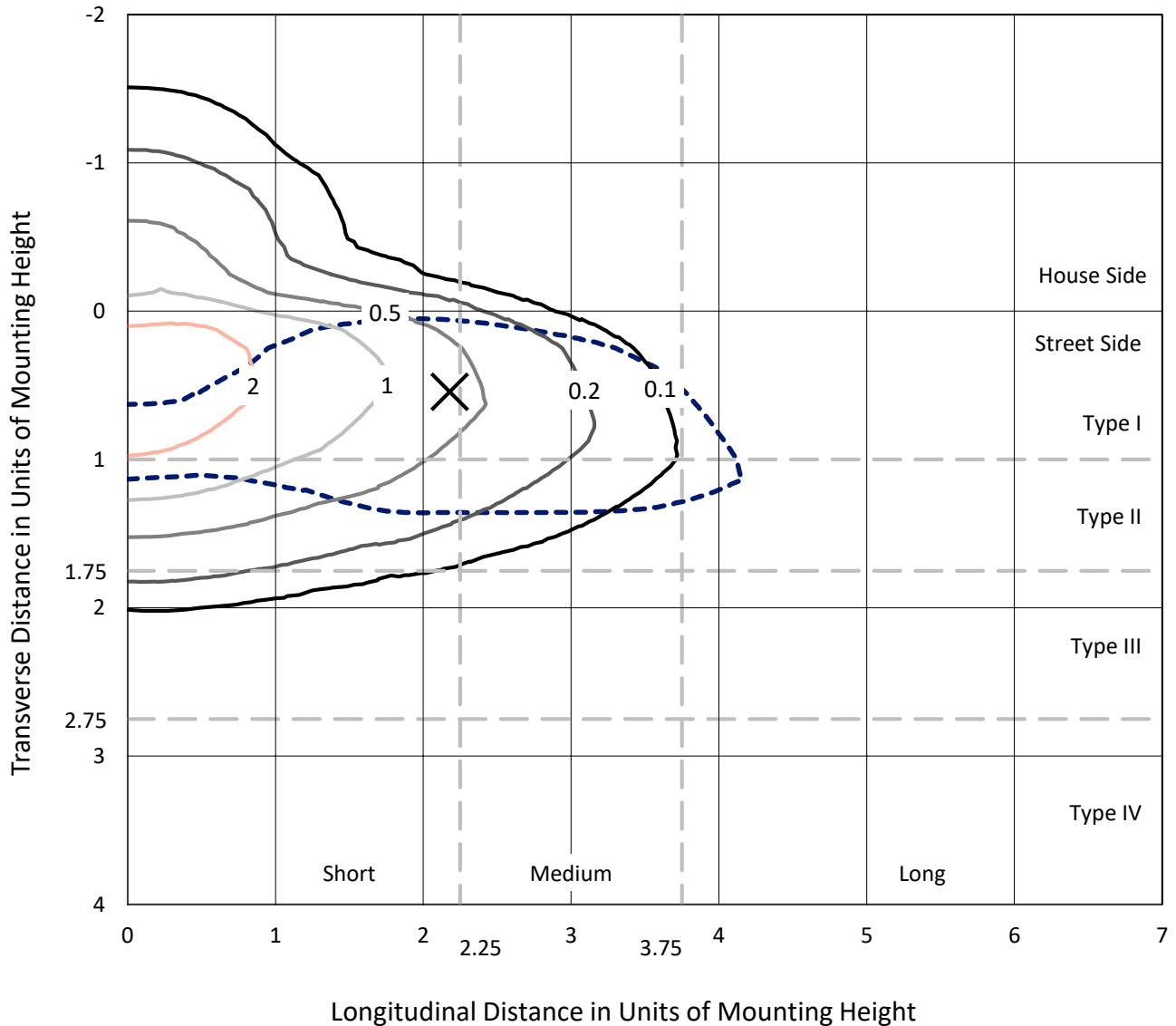
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

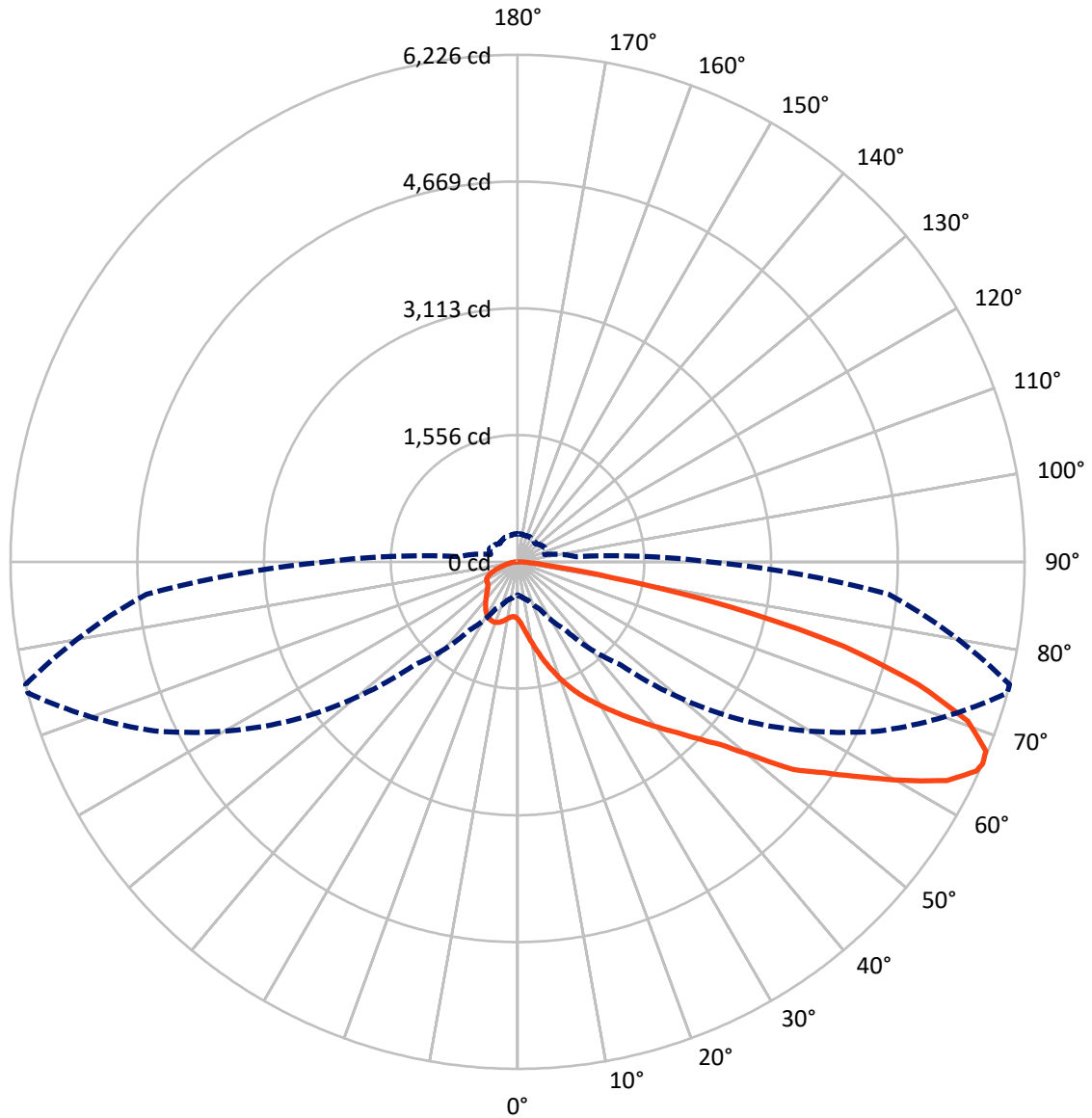
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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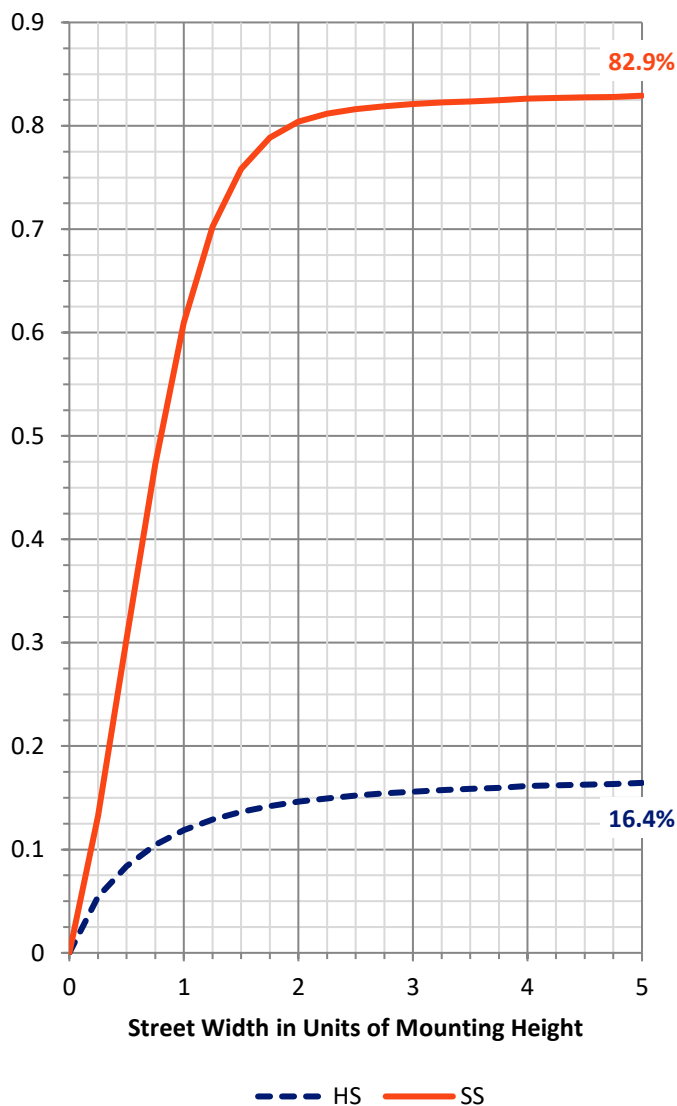
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1298.2	0.0	1298.2
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	6416.8	0.0	6416.8
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	7715.0	0.0	7715.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.2	1.1
10°-20°	336.4	4.4
20°-30°	653.8	8.5
30°-40°	1067.1	13.8
40°-50°	1458.0	18.9
50°-60°	1698.3	22.0
60°-70°	1522.5	19.7
70°-80°	769.4	10.0
80°-90°	124.2	1.6
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°	7715.0	100.0
0°-180°	7715.0	100.0

**Coefficient of Utilization**



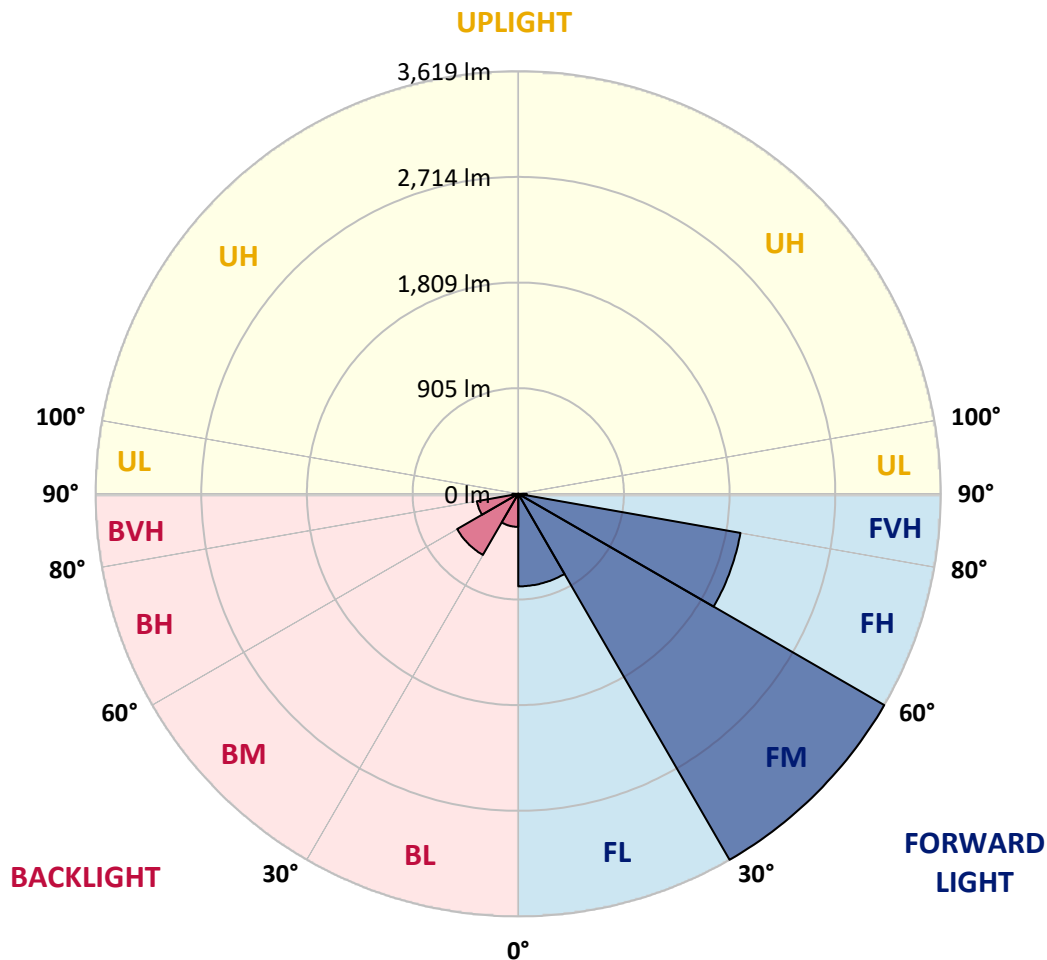
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	792.3	10.3			
FM (30°-60°)	3618.9	46.9			
FH (60°-80°)	1932.3	25.0			G2/5000
FVH (80°-90°)	73.4	1.0			G1/100
BL (0°-30°)	283.1	3.7	B1/500		
BM (30°-60°)	604.5	7.8	B1/1000		
BH (60°-80°)	359.7	4.7	B1/500		G1/500
BVH (80°-90°)	50.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6
2.5°	935.3	921.2	919.8	899.2	894.4	854.9	825.8	795.4	760.9	754.1	726.8
5°	1201.4	1200.1	1182.0	1148.2	1121.8	1054.2	987.4	916.7	839.2	826.6	765.3
7.5°	1440.8	1438.7	1424.8	1388.4	1350.2	1267.1	1171.8	1063.4	937.7	919.1	817.4
10°	1622.6	1621.8	1617.1	1590.4	1557.9	1478.3	1373.0	1225.0	1052.1	1026.7	882.7
12.5°	1763.0	1764.5	1767.7	1758.2	1742.8	1675.0	1567.0	1396.3	1174.2	1149.0	955.2
15°	1858.0	1862.7	1879.0	1892.3	1900.5	1858.8	1754.3	1571.5	1310.9	1280.8	1035.6
17.5°	1906.0	1911.2	1939.2	1979.6	2016.8	2012.6	1929.5	1738.6	1442.1	1413.0	1122.0
20°	1947.3	1951.3	1982.7	2031.2	2096.9	2126.0	2079.3	1899.4	1585.9	1551.3	1213.7
22.5°	2067.3	2072.3	2081.7	2109.2	2167.4	2220.8	2198.3	2051.6	1717.6	1685.4	1300.7
25°	2298.8	2304.9	2284.4	2261.1	2272.1	2309.3	2313.5	2190.4	1851.2	1814.8	1394.2
27.5°	2577.8	2586.4	2551.6	2491.6	2439.2	2424.8	2419.8	2304.1	1978.8	1936.6	1486.6
30°	2851.0	2865.9	2820.6	2742.8	2646.7	2579.1	2529.1	2415.4	2104.5	2064.2	1573.9
32.5°	3117.8	3111.8	3046.1	2970.1	2857.5	2772.9	2651.9	2534.8	2245.9	2199.6	1660.5
35°	3300.7	3302.8	3241.7	3151.6	3044.2	2979.3	2816.4	2663.7	2390.2	2347.6	1759.0
37.5°	3456.2	3446.6	3377.4	3293.3	3200.9	3173.1	3008.9	2805.6	2546.6	2500.0	1863.8
40°	3508.1	3496.8	3451.5	3391.0	3316.9	3314.5	3221.3	2966.5	2723.4	2677.3	1981.9
42.5°	3476.7	3462.3	3443.7	3427.2	3404.4	3414.9	3420.9	3155.0	2917.7	2866.1	2118.6
45°	3360.6	3338.9	3352.0	3387.9	3437.4	3496.6	3601.1	3363.8	3135.4	3092.2	2279.2
47.5°	3182.3	3162.6	3203.5	3280.2	3414.9	3564.7	3771.6	3594.3	3395.2	3352.3	2507.8
50°	2931.4	2937.1	2995.5	3135.1	3338.6	3596.1	3981.6	3899.4	3772.9	3732.8	2819.8
52.5°	2519.6	2520.7	2685.2	2914.3	3203.5	3579.9	4098.2	4289.4	4288.6	4240.2	3116.8
55°	2137.2	2160.5	2290.7	2595.3	2984.5	3514.9	4179.7	4479.0	4627.3	4570.4	3393.6
57.5°	1763.7	1777.4	1900.7	2206.6	2672.1	3341.8	4263.2	4706.6	5017.5	4981.6	3737.8
60°	1338.9	1359.9	1487.4	1770.0	2272.4	3034.6	4271.1	4944.2	5484.0	5447.8	4122.0
62.5°	869.0	905.2	1024.6	1289.4	1788.9	2592.7	4088.8	5099.5	5926.1	5913.3	4463.0
65°	499.5	526.7	609.7	814.0	1234.1	2038.0	3655.3	5039.8	6198.2	6190.9	4590.6
66°	408.1	425.1	488.7	636.2	1018.3	1789.7	3403.3	4913.8	6225.2	6225.5	4575.9
67.5°	326.3	333.9	362.5	455.5	751.4	1418.5	2953.1	4635.9	6191.7	6200.9	4481.4
70°	270.0	274.0	282.9	305.4	410.2	855.4	2096.1	3913.8	5855.1	5862.2	4112.3
72.5°	242.3	244.6	248.0	251.2	289.4	478.0	1280.2	3130.9	5133.5	5142.7	3550.0
75°	219.5	220.8	220.3	220.5	242.8	304.6	661.6	2337.6	4150.8	4132.5	2719.5
77.5°	192.8	194.1	191.5	192.0	214.8	234.2	329.2	1636.4	2801.2	2671.8	1532.2
80°	162.9	164.0	162.9	164.7	187.0	176.8	191.5	920.6	1238.6	1171.5	544.8
82.5°	123.1	127.6	130.7	138.0	154.0	125.7	128.1	358.6	377.2	359.1	167.1
85°	54.0	65.7	98.5	105.6	115.8	75.4	84.1	146.1	153.5	148.8	60.8
87.5°	14.1	15.5	48.7	61.3	64.2	34.0	43.7	66.5	70.2	66.5	20.2
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°	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6	704.6
2.5°	712.4	699.6	676.5	656.1	640.6	630.2	619.7	614.5	611.3	608.2	608.7
5°	735.2	709.3	669.7	641.7	626.0	616.0	610.8	608.7	607.4	604.2	604.2
7.5°	769.5	732.8	678.4	649.6	637.2	629.6	626.5	625.5	623.9	620.2	620.7
10°	812.7	761.4	696.4	668.4	657.1	648.8	644.3	642.7	639.9	635.7	636.2
12.5°	863.5	796.7	720.3	690.9	677.3	666.1	658.7	654.3	649.3	643.8	644.1
15°	919.1	835.2	745.9	711.1	692.5	676.8	665.0	657.4	649.6	642.7	642.5
17.5°	975.4	872.4	765.6	722.1	697.0	676.3	660.3	648.5	638.8	630.4	629.6
20°	1036.1	906.0	776.6	721.1	688.6	664.0	642.7	628.1	617.3	609.0	607.6
22.5°	1098.0	937.4	778.4	710.3	670.0	639.9	617.6	601.4	590.4	581.7	578.6
25°	1154.5	961.8	770.8	689.6	644.1	611.6	589.8	573.3	564.4	554.2	551.1
27.5°	1206.1	978.8	755.6	663.2	615.0	583.0	562.6	548.5	538.8	530.9	528.3
30°	1252.5	987.9	730.7	631.7	585.1	556.0	538.8	529.1	520.7	510.7	508.9
32.5°	1296.5	987.9	698.8	597.4	555.5	532.2	522.0	516.0	506.5	496.9	494.2
35°	1340.5	981.9	661.1	561.5	528.3	515.2	514.7	507.6	493.2	480.1	476.7
37.5°	1386.8	969.6	618.6	528.0	506.0	507.6	512.0	496.3	475.9	457.3	452.3
40°	1439.2	952.6	574.6	498.9	487.4	504.2	505.0	480.1	440.3	423.3	418.8
42.5°	1500.8	935.6	533.8	473.3	472.8	494.0	491.6	445.0	421.2	412.5	410.2
45°	1581.7	925.9	495.0	448.9	461.2	477.5	468.8	425.6	415.7	410.7	408.6
47.5°	1709.3	930.8	459.4	429.5	449.7	461.0	426.4	417.8	410.7	404.7	402.6
50°	1869.0	928.0	430.6	416.2	436.6	443.7	407.3	407.5	403.9	397.1	393.9
52.5°	1989.3	905.4	412.0	408.6	425.1	413.0	395.2	397.6	395.8	385.8	382.4
55°	2105.3	886.1	402.6	405.7	416.7	374.8	381.1	386.8	385.0	375.3	373.8
57.5°	2249.6	882.4	396.8	406.5	409.6	355.7	367.5	375.1	373.8	369.6	368.8
60°	2426.4	883.4	391.6	407.8	401.8	341.5	354.6	364.3	365.1	364.3	363.8
62.5°	2523.6	854.9	378.5	404.1	387.9	329.2	341.3	355.4	355.7	357.3	357.0
65°	2441.1	769.5	354.1	391.3	364.6	319.0	329.8	345.2	341.3	348.3	348.3
66°	2360.9	720.3	342.1	382.9	354.6	315.1	326.1	340.0	335.0	344.7	344.7
67.5°	2197.2	637.2	320.3	365.1	340.5	309.6	321.9	331.3	324.5	338.9	337.9
70°	1898.1	492.9	276.6	324.8	317.2	301.5	316.1	314.0	304.1	326.1	321.9
72.5°	1600.3	374.5	222.1	271.9	281.8	291.3	308.0	292.0	279.5	294.9	285.8
75°	1241.7	281.6	175.5	211.4	238.1	275.3	298.3	266.6	248.6	247.0	242.0
77.5°	671.3	193.3	139.1	161.3	189.1	255.4	291.8	239.4	212.2	205.9	201.9
80°	265.8	125.7	101.1	122.3	132.3	226.6	276.1	207.7	175.0	168.7	162.6
82.5°	109.7	74.4	65.2	82.0	86.2	193.8	247.8	170.2	135.1	187.0	198.5
85°	47.1	40.9	38.8	42.4	48.7	135.9	197.2	129.9	145.9	130.2	103.5
87.5°	14.1	17.3	16.5	16.2	17.8	32.5	105.0	72.3	107.1	40.6	30.4
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)