

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385901

Luminaire Tested: GAW-SA1C-727-U-T4W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385901  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1C-727-U-T4W  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6273 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

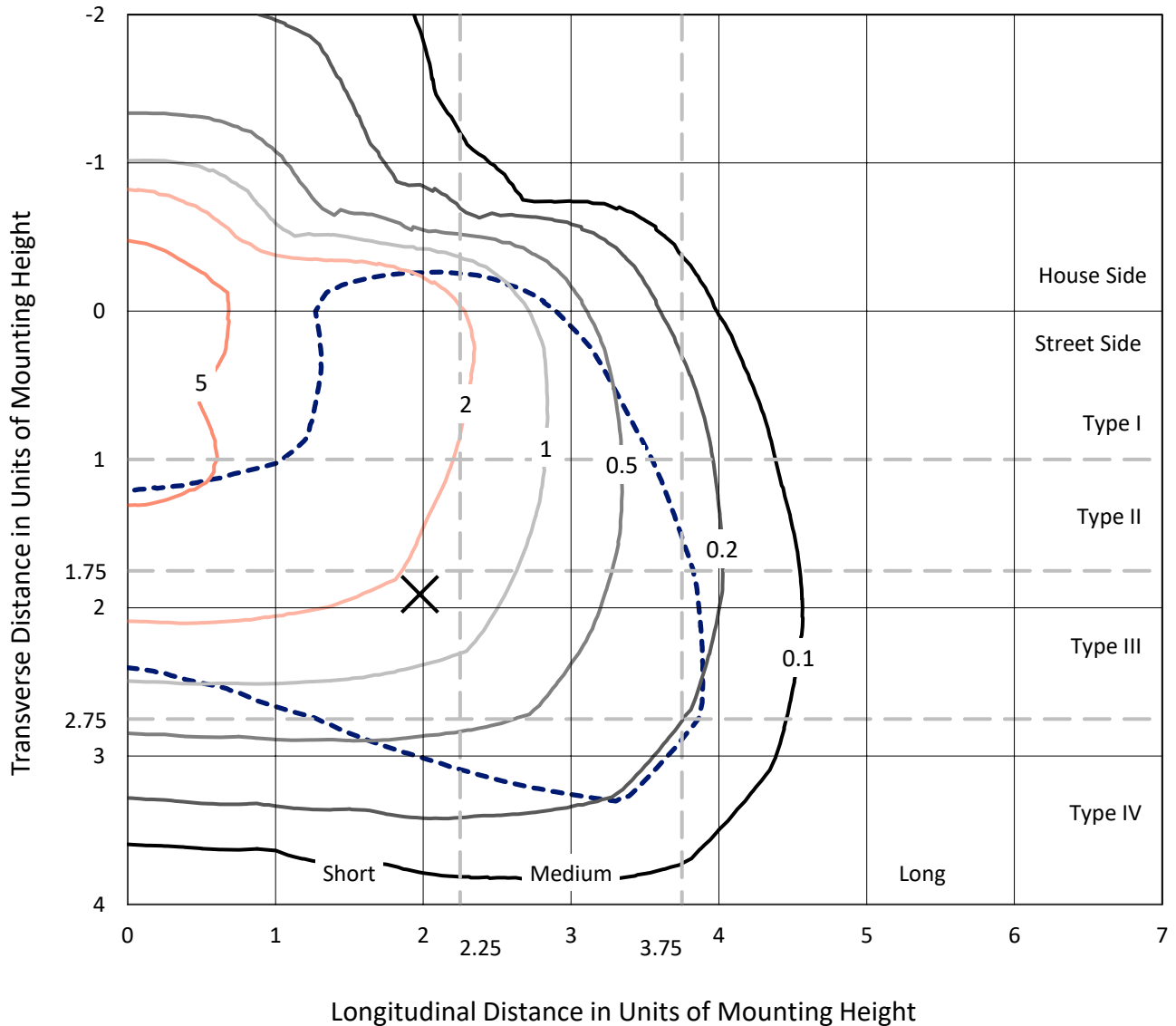
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

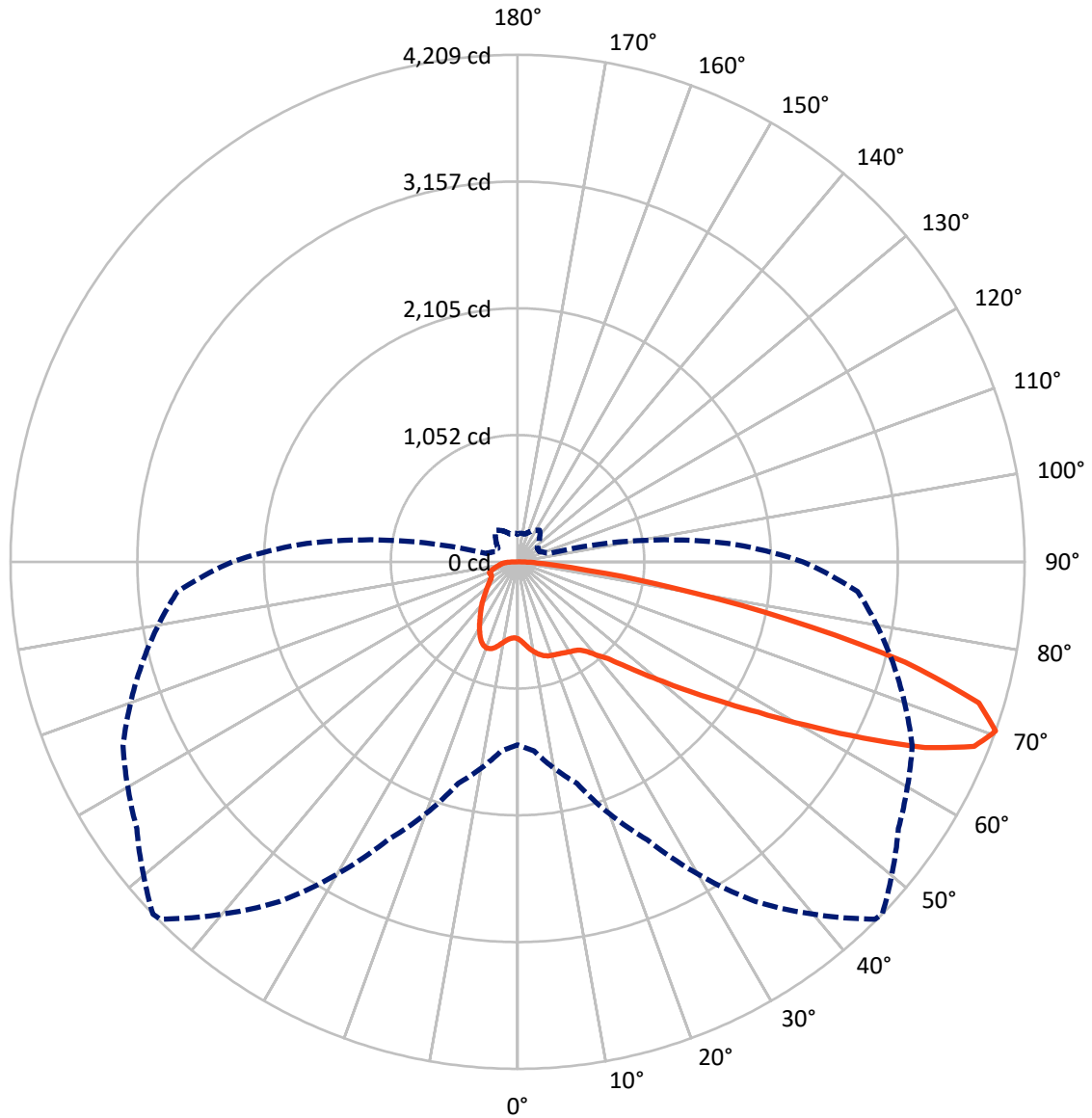
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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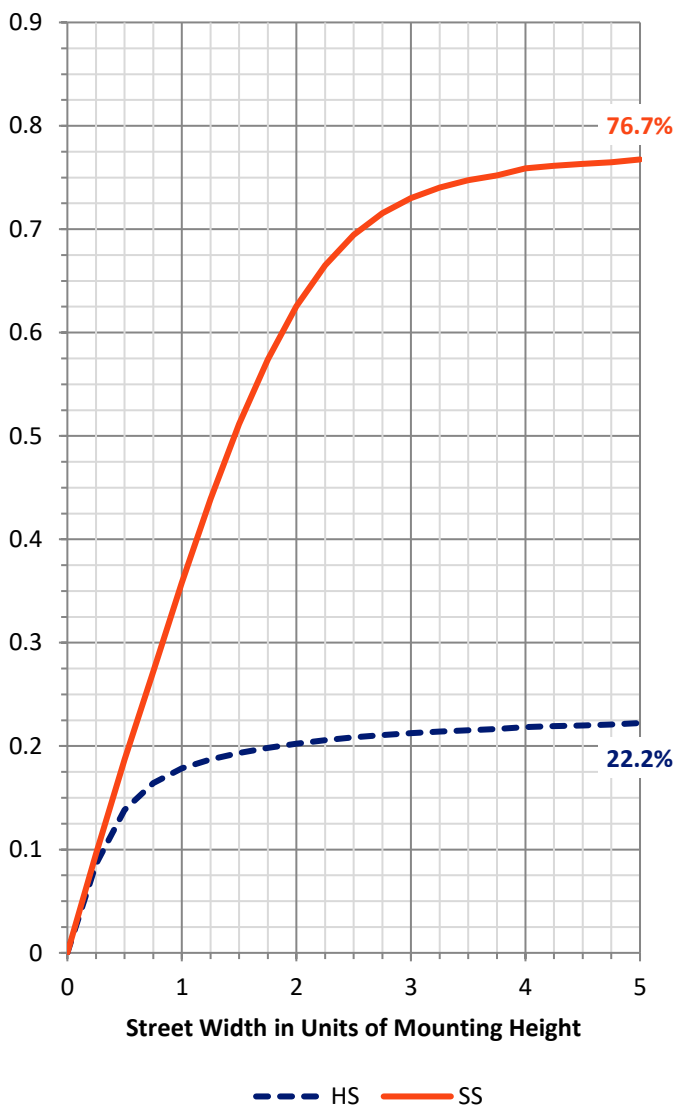
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1437.8	0.0	1437.8
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	4835.2	0.0	4835.2
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	6273.0	0.0	6273.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.2	1.0
10°-20°	217.1	3.5
20°-30°	361.9	5.8
30°-40°	513.6	8.2
40°-50°	755.5	12.0
50°-60°	1279.4	20.4
60°-70°	1816.1	29.0
70°-80°	1103.3	17.6
80°-90°	161.0	2.6
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°	6273.0	100.0
0°-180°	6273.0	100.0

**Coefficient of Utilization**

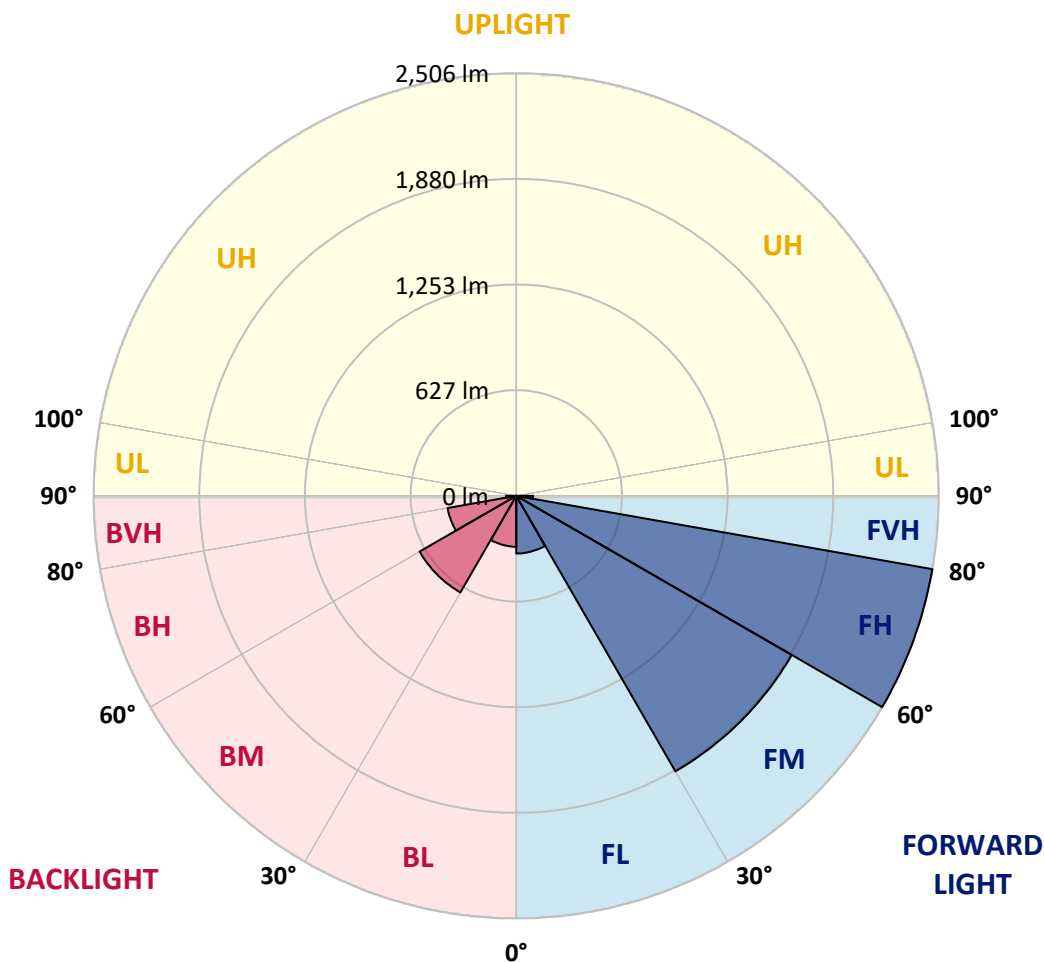


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.3	5.5			
FM (30°-60°)	1886.6	30.1			
FH (60°-80°)	2506.0	39.9			G2/5000
FVH (80°-90°)	100.3	1.6			G2/225
BL (0°-30°)	301.9	4.8	B1/500		
BM (30°-60°)	661.8	10.6	B1/1000		
BH (60°-80°)	413.3	6.6	B1/500		G1/500
BVH (80°-90°)	60.7	1.0			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1
2.5°	671.1	671.5	672.4	670.2	664.2	662.5	661.9	655.6	651.5	645.5	640.4
5°	724.8	725.2	723.9	717.9	704.6	694.7	693.8	679.7	666.8	653.0	642.7
7.5°	780.8	781.4	777.3	766.0	747.3	730.1	729.0	709.7	690.2	669.4	653.9
10°	830.4	827.8	821.1	805.3	783.1	762.1	761.2	741.1	718.5	693.4	672.8
12.5°	863.4	861.3	852.7	833.4	809.1	789.8	788.1	769.4	747.5	720.0	695.3
15°	881.7	883.2	871.6	849.7	826.1	809.8	808.3	795.0	775.4	747.7	719.4
17.5°	884.0	885.3	874.2	852.5	833.2	822.0	821.4	812.6	798.4	771.8	742.1
20°	870.3	871.2	861.9	844.1	831.4	828.0	827.8	823.9	813.4	789.8	761.0
22.5°	850.3	851.0	844.3	831.4	827.2	832.5	834.0	832.5	825.0	802.9	775.8
25°	845.4	845.0	838.1	825.0	828.7	840.0	842.0	842.6	837.5	818.1	794.7
27.5°	869.2	867.7	854.6	833.6	836.0	849.7	852.3	858.5	855.3	838.3	816.2
30°	938.1	935.6	908.7	866.2	854.6	861.7	864.9	874.8	875.5	861.3	844.8
32.5°	1054.5	1051.3	1003.2	927.2	886.2	874.0	877.0	891.8	899.7	888.8	870.9
35°	1201.6	1197.9	1134.8	1030.9	939.0	897.4	899.5	911.3	927.2	911.7	888.1
37.5°	1354.8	1346.0	1285.3	1152.8	1022.9	947.4	947.4	948.9	956.4	924.2	908.3
40°	1507.3	1498.5	1443.5	1296.2	1131.6	1026.2	1021.2	987.9	981.9	954.2	948.9
42.5°	1648.9	1646.4	1613.9	1458.3	1259.1	1103.7	1096.8	1040.3	1041.6	1024.4	1024.7
45°	1799.6	1799.6	1773.2	1621.9	1407.6	1228.2	1221.3	1138.2	1151.1	1143.2	1162.3
47.5°	1922.7	1926.5	1922.9	1792.3	1580.5	1386.4	1373.9	1273.9	1310.0	1337.2	1392.8
50°	2048.2	2054.3	2054.9	1979.3	1789.3	1574.4	1560.3	1454.0	1534.5	1612.7	1721.9
52.5°	2230.5	2244.0	2190.1	2165.9	2045.2	1797.7	1783.8	1685.7	1820.0	1929.7	2118.0
55°	2399.5	2387.6	2349.2	2364.2	2319.2	2051.9	2041.4	1955.3	2138.2	2280.7	2525.3
57.5°	2490.9	2490.0	2528.7	2593.1	2614.6	2365.3	2356.5	2272.8	2496.9	2604.0	2907.6
60°	2598.2	2599.7	2695.5	2841.7	2930.1	2755.6	2751.7	2688.2	2845.3	2905.9	3207.5
62.5°	2613.3	2640.3	2805.2	3056.8	3225.5	3211.6	3220.2	3062.4	3157.1	3146.7	3431.4
65°	2440.5	2476.1	2774.5	3121.8	3519.2	3710.3	3718.2	3438.7	3402.9	3352.6	3511.5
67.5°	2086.2	2139.0	2463.2	2980.4	3616.0	4078.9	4090.0	3730.5	3606.8	3422.4	3318.7
70°	1518.2	1576.8	1903.1	2545.4	3443.4	4196.7	4209.4	3859.5	3614.5	3223.8	2833.1
72.5°	917.1	963.0	1232.0	1873.9	2906.3	3982.1	4004.6	3695.9	3300.0	2730.7	2092.0
75°	402.7	432.8	595.7	1079.8	2080.7	3294.7	3322.8	3163.5	2681.3	1984.5	1236.5
77.5°	171.5	180.1	244.3	469.1	1176.2	2251.3	2290.0	2311.4	1819.2	1079.8	522.5
80°	106.9	110.3	138.3	212.3	550.4	1264.5	1306.1	1360.0	903.4	396.9	182.5
82.5°	65.0	68.9	91.9	128.4	286.6	573.2	593.2	631.2	350.6	171.5	94.5
85°	39.1	41.9	56.2	81.1	163.2	225.4	225.2	249.0	165.1	110.3	49.8
87.5°	18.7	20.8	30.1	42.1	82.2	84.6	79.2	89.7	100.3	72.3	25.1
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°	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1
2.5°	638.7	637.8	635.0	632.9	632.4	631.2	630.1	630.7	631.6	631.8	631.8
5°	638.5	636.1	632.4	630.9	632.9	635.4	638.7	643.0	645.5	647.5	648.8
7.5°	648.8	644.2	640.2	639.3	643.2	650.0	657.3	666.4	672.6	676.9	677.7
10°	665.9	660.3	656.3	657.1	664.0	673.9	684.2	695.8	705.2	711.0	711.4
12.5°	685.7	680.3	676.4	680.1	691.5	703.5	714.2	724.3	732.9	738.7	738.7
15°	708.4	704.6	700.1	708.4	723.9	734.6	739.1	744.1	748.8	753.1	752.2
17.5°	730.3	726.7	724.3	734.2	750.3	755.2	752.2	748.6	748.6	750.9	751.4
20°	749.2	746.0	747.5	757.2	765.5	760.4	749.2	737.6	732.9	734.2	735.5
22.5°	765.8	764.3	768.8	773.3	767.3	749.2	728.6	712.9	707.1	706.7	707.1
25°	785.1	784.9	790.4	782.3	755.7	722.4	694.7	679.5	676.2	678.8	683.1
27.5°	809.1	811.5	814.3	784.4	732.1	681.8	653.7	643.2	646.4	652.6	656.7
30°	839.8	846.3	840.2	779.1	698.1	635.4	608.6	605.6	614.4	623.2	627.5
32.5°	869.7	879.7	865.2	765.1	654.3	586.3	565.5	564.6	575.3	583.9	589.9
35°	893.7	913.7	883.8	737.4	603.7	541.0	525.7	519.9	523.8	533.9	540.8
37.5°	925.0	958.3	896.7	695.1	548.7	503.6	485.8	472.5	469.1	473.1	476.6
40°	982.4	1026.4	902.7	636.1	495.0	466.3	448.2	428.7	415.2	405.3	405.5
42.5°	1076.0	1115.0	898.9	564.4	445.5	429.8	409.4	386.8	365.0	342.6	340.9
45°	1228.0	1246.8	887.3	488.4	401.9	391.6	372.5	349.9	320.7	295.4	293.0
47.5°	1471.2	1429.3	869.2	422.1	363.4	359.2	341.6	315.6	284.7	264.3	262.6
50°	1802.9	1692.7	860.4	369.2	329.5	330.8	316.4	289.0	259.8	244.7	243.0
52.5°	2199.6	1999.5	877.4	328.5	302.3	306.8	296.0	270.3	245.8	234.0	232.3
55°	2611.1	2317.2	895.6	298.8	276.5	285.3	281.7	260.4	238.3	227.3	225.8
57.5°	2963.4	2554.5	859.1	274.8	253.5	267.3	270.5	254.2	234.4	224.6	222.8
60°	3185.2	2650.0	763.4	252.2	235.3	252.9	264.1	252.5	235.9	235.1	233.8
62.5°	3290.4	2641.6	619.8	234.4	223.9	246.7	268.8	262.1	253.1	260.8	261.5
65°	3243.1	2515.4	461.6	222.6	215.8	249.0	282.9	280.4	258.0	265.8	266.8
67.5°	2932.3	2214.2	341.8	212.3	206.7	255.7	308.7	286.4	248.4	254.0	250.5
70°	2370.0	1755.4	263.6	200.7	197.5	254.8	320.3	282.7	237.9	239.2	229.9
72.5°	1634.3	1197.0	214.5	190.0	184.2	232.3	312.1	273.7	229.1	219.2	206.9
75°	888.8	642.5	182.3	178.8	160.8	203.9	297.1	267.3	221.1	208.0	201.2
77.5°	349.7	266.6	158.2	163.6	140.6	180.1	280.4	255.0	210.2	193.0	189.6
80°	142.8	136.1	131.2	141.5	120.9	157.6	260.2	240.7	197.1	179.0	172.2
82.5°	80.9	84.6	102.0	111.6	98.1	145.1	250.5	229.1	181.4	160.4	152.2
85°	41.4	49.6	71.1	80.1	72.1	123.4	230.8	200.5	145.6	122.8	123.4
87.5°	20.0	27.7	44.9	50.2	46.8	89.3	172.4	145.3	113.3	89.7	86.9
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)