

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: P385499

Luminaire Tested: GAW-SA1A-735-U-T2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1A-735-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4587.1 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

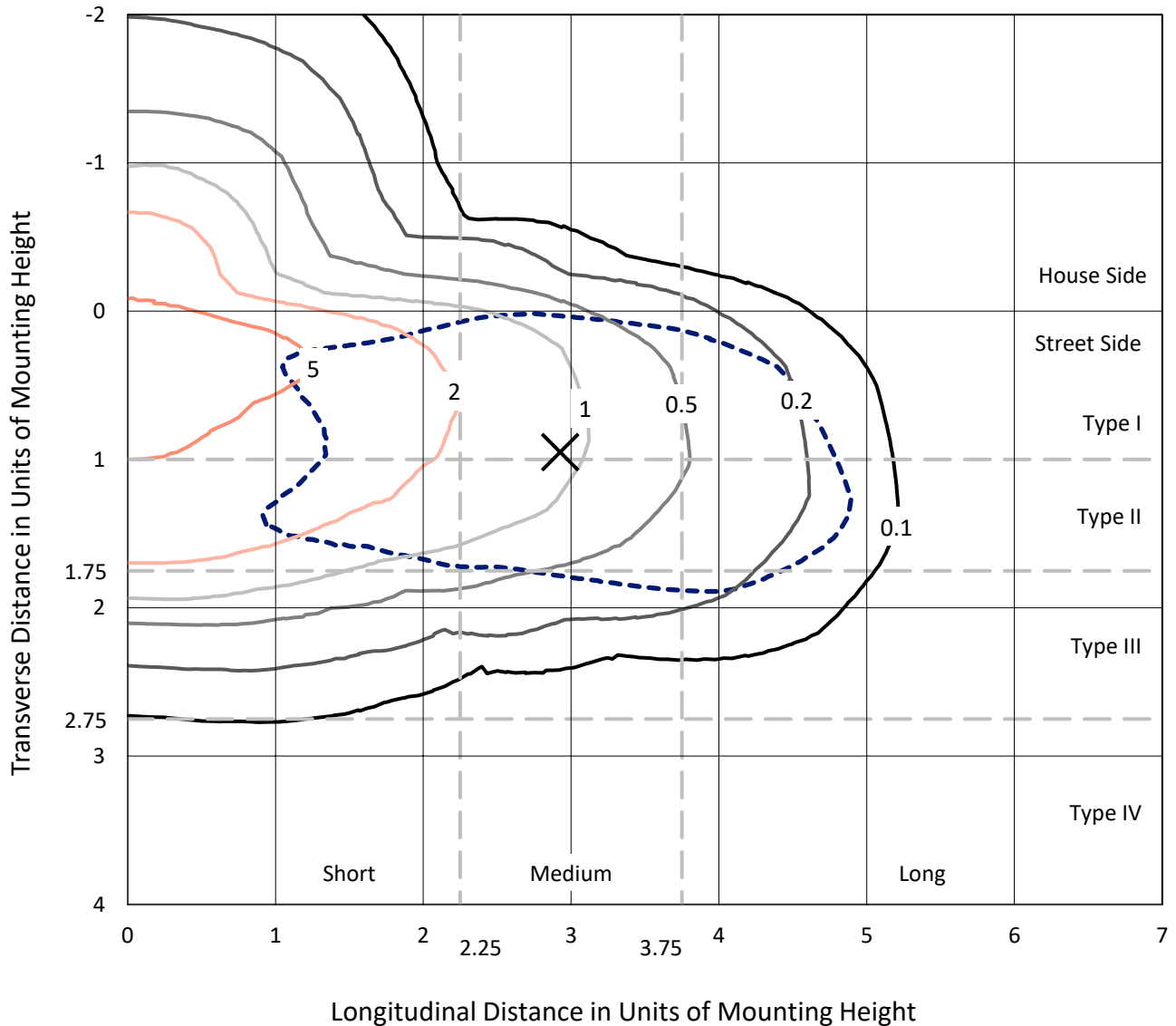
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

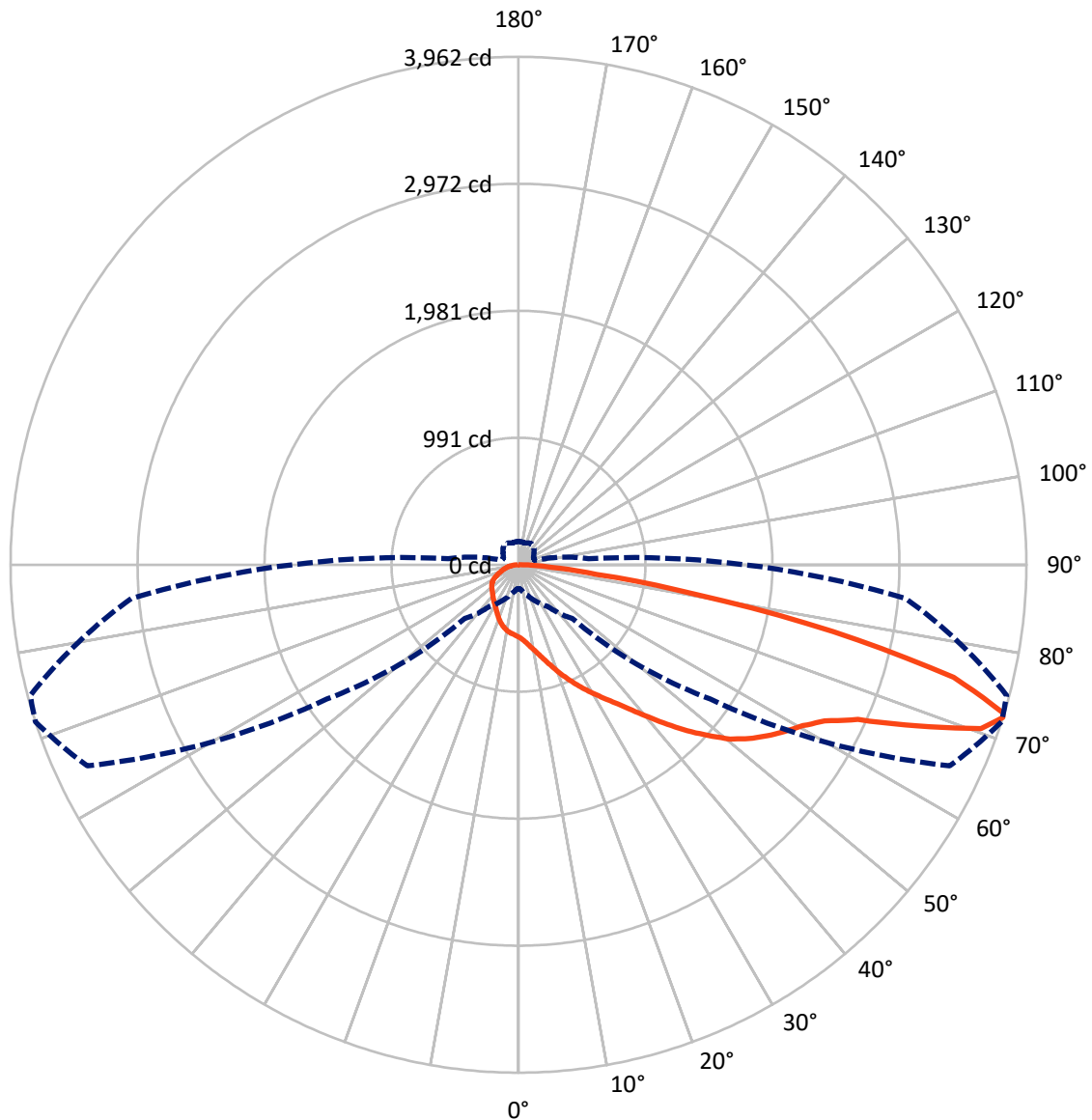
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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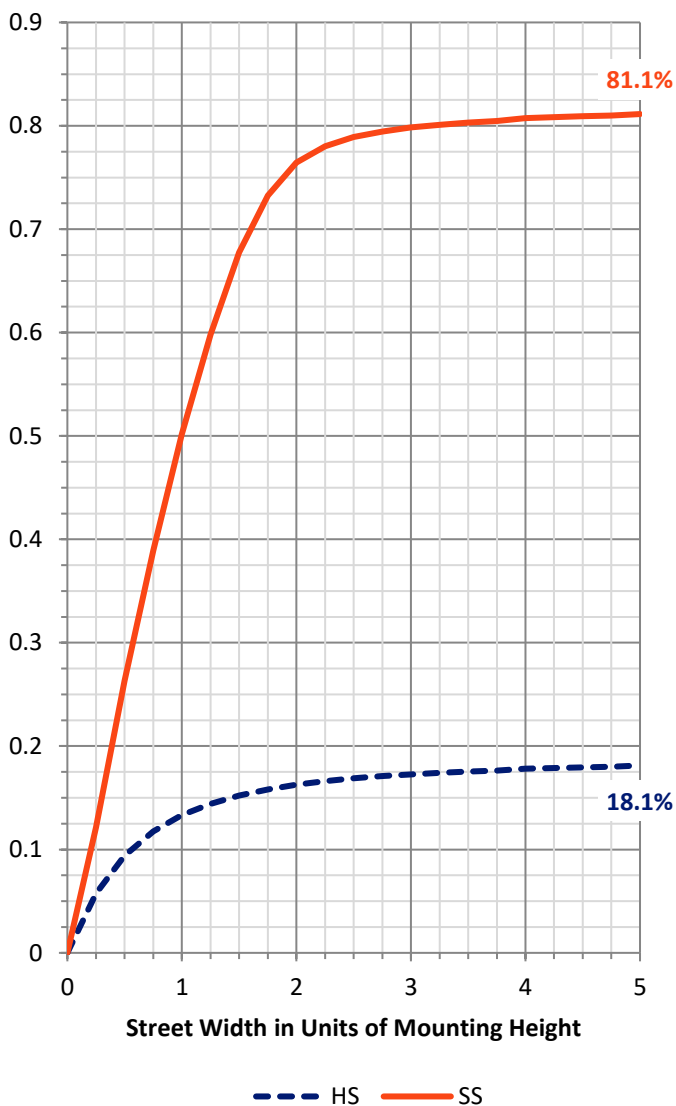
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.9	0.0	850.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3736.1	0.0	3736.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	4587.1	0.0	4587.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.2
10°-20°	182.7	4.0
20°-30°	320.2	7.0
30°-40°	474.8	10.4
40°-50°	694.4	15.1
50°-60°	955.5	20.8
60°-70°	1063.7	23.2
70°-80°	720.8	15.7
80°-90°	118.5	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°	4587.1	100.0
0°-180°	4587.1	100.0

Coefficient of Utilization

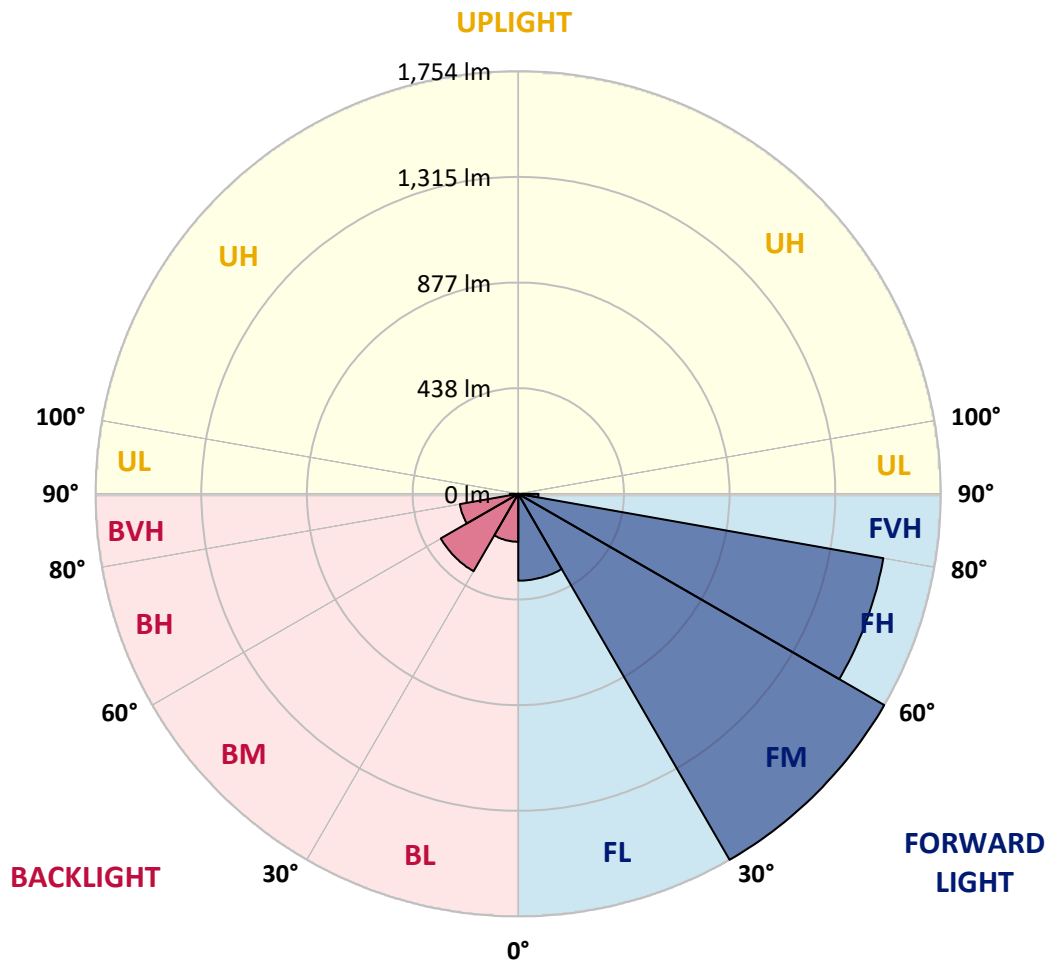


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.6	7.9			
FM (30°-60°)	1753.7	38.2			
FH (60°-80°)	1538.3	33.5			G1/1800
FVH (80°-90°)	83.6	1.8			G1/100
BL (0°-30°)	198.9	4.3	B1/500		
BM (30°-60°)	370.9	8.1	B1/1000		
BH (60°-80°)	246.2	5.4	B1/500		G1/500
BVH (80°-90°)	34.9	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	623.4	622.4	619.2	619.2	612.9	607.4	597.4	590.5	582.5	579.6	570.2
5°	683.7	684.1	679.9	677.1	667.8	656.4	639.2	623.6	607.9	601.6	582.1
7.5°	734.4	733.8	732.7	730.3	721.6	710.0	686.7	663.5	640.5	631.0	597.5
10°	767.0	768.4	769.4	770.4	766.8	758.5	736.5	708.2	678.1	665.1	615.8
12.5°	783.4	785.9	790.3	797.9	803.9	803.0	787.0	757.1	721.2	704.9	638.7
15°	793.0	796.3	803.3	816.9	833.8	843.4	839.2	812.0	772.0	752.0	666.7
17.5°	799.0	801.7	812.5	830.6	855.7	881.3	892.5	869.8	829.5	806.7	698.7
20°	803.2	805.2	818.6	839.9	872.5	913.2	944.5	938.8	892.9	863.1	732.3
22.5°	812.3	814.1	826.9	848.3	884.3	937.0	994.5	1003.1	959.7	926.1	768.0
25°	837.8	837.8	848.6	863.6	897.4	957.4	1036.9	1074.7	1027.9	988.7	801.2
27.5°	886.7	886.2	890.2	895.3	921.0	978.3	1074.7	1137.8	1098.6	1055.9	833.4
30°	944.5	947.7	948.1	945.6	957.6	1004.4	1109.5	1204.5	1169.9	1123.8	866.5
32.5°	1018.9	1020.9	1018.6	1010.2	1008.4	1041.3	1143.8	1274.3	1247.0	1194.7	896.7
35°	1113.4	1109.4	1102.0	1084.9	1068.7	1090.7	1183.0	1344.1	1333.5	1280.4	938.2
37.5°	1214.5	1214.7	1205.6	1166.9	1144.5	1154.0	1237.0	1423.2	1438.2	1382.5	991.4
40°	1295.8	1300.0	1305.7	1254.8	1225.8	1238.9	1305.7	1515.0	1562.0	1503.5	1060.8
42.5°	1352.4	1357.3	1373.5	1341.5	1311.4	1335.7	1386.5	1612.9	1701.1	1643.1	1141.9
45°	1412.5	1415.2	1426.6	1412.8	1393.5	1448.4	1477.7	1714.3	1848.1	1791.9	1232.8
47.5°	1475.7	1478.5	1490.2	1481.0	1470.9	1553.5	1572.8	1809.8	1989.0	1955.3	1329.7
50°	1553.7	1555.5	1566.6	1550.0	1553.2	1632.9	1657.7	1897.5	2136.7	2102.2	1427.0
52.5°	1660.1	1660.6	1676.0	1660.9	1646.1	1690.9	1730.9	1980.1	2252.4	2236.1	1524.3
55°	1743.5	1748.6	1798.8	1795.7	1787.1	1743.7	1792.0	2058.8	2355.7	2363.4	1627.6
57.5°	1690.3	1710.1	1811.7	1883.5	1953.3	1874.9	1874.7	2147.4	2451.7	2488.4	1741.2
60°	1480.4	1507.3	1657.1	1816.2	2034.6	2103.3	2046.2	2255.6	2548.7	2612.2	1883.5
62.5°	1057.3	1101.5	1304.6	1558.5	1923.1	2254.6	2395.2	2427.3	2680.6	2755.6	2068.5
65°	534.5	568.0	738.2	1044.1	1536.5	2155.7	2774.6	2803.2	2909.8	2976.5	2353.2
67.5°	324.7	337.3	420.5	580.7	941.9	1679.3	2898.4	3429.7	3353.3	3388.7	2759.3
70°	239.3	248.6	300.4	385.7	541.7	985.4	2518.4	3876.9	3826.6	3822.7	3059.3
72°	186.4	193.1	239.0	311.6	396.1	591.2	1825.3	3711.8	3962.2	3942.3	3031.9
72.5°	176.7	182.7	224.4	293.3	374.3	535.9	1641.2	3600.4	3952.3	3943.4	2996.3
75°	139.1	143.4	166.2	226.8	293.0	304.1	899.3	2790.2	3506.2	3652.0	2694.9
77.5°	115.2	115.7	127.8	165.1	228.4	214.9	441.8	1935.9	2510.6	2671.0	1909.0
80°	93.8	94.6	100.3	115.7	172.8	159.0	209.8	1113.2	1405.7	1407.4	907.8
82.5°	74.7	74.9	81.2	84.6	124.2	113.8	120.1	522.6	614.3	590.9	326.3
85°	52.6	51.5	79.3	69.5	81.2	73.0	66.3	206.9	254.0	242.9	102.2
87.5°	17.6	18.1	35.2	45.0	47.3	41.4	29.5	79.3	95.9	95.1	32.4
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°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	567.2	562.1	554.7	546.4	540.0	533.4	528.5	526.0	523.1	520.7	523.6
5°	573.2	563.7	547.9	532.4	521.1	510.9	503.7	499.9	496.4	494.0	494.4
7.5°	583.0	567.7	541.1	518.5	502.8	491.9	484.4	481.9	479.7	479.0	479.8
10°	593.4	570.8	532.1	502.1	484.1	475.1	471.8	473.5	475.1	476.6	478.1
12.5°	605.3	573.7	519.0	482.8	467.5	464.1	467.3	475.0	480.5	483.8	485.9
15°	620.8	576.1	503.8	463.6	453.3	457.2	468.5	481.5	491.2	497.3	498.3
17.5°	634.9	576.0	484.4	444.1	441.8	453.3	470.2	488.7	501.6	510.3	512.1
20°	649.6	571.7	461.8	425.2	430.1	449.0	471.0	493.3	508.9	519.0	521.4
22.5°	663.4	564.3	437.0	408.0	420.3	443.3	468.0	490.6	506.2	514.4	516.9
25°	672.7	551.3	411.9	393.4	411.6	436.3	458.2	476.4	488.0	492.1	492.8
27.5°	677.4	534.5	388.3	380.8	402.6	425.0	440.0	449.0	452.3	452.0	451.4
30°	678.1	512.3	367.9	370.5	392.2	408.3	415.4	413.6	409.4	402.2	402.7
32.5°	676.0	487.1	350.8	360.7	378.9	387.9	388.3	379.9	368.5	357.0	353.8
35°	676.6	462.5	335.7	349.6	362.8	366.7	363.1	350.8	335.3	320.4	317.3
37.5°	683.6	441.0	322.9	336.9	344.9	345.9	340.7	327.8	316.4	301.8	300.6
40°	700.1	425.6	310.5	322.5	327.1	327.6	320.1	311.0	312.0	304.2	304.1
42.5°	730.0	419.1	299.6	307.6	310.4	311.3	305.6	299.8	308.0	303.0	301.2
45°	768.5	420.6	290.5	292.8	298.1	302.5	299.0	291.9	295.1	273.1	265.8
47.5°	813.0	430.7	283.2	280.2	289.2	297.6	292.2	281.4	270.3	248.5	244.3
50°	865.2	446.3	276.6	267.7	279.6	290.9	285.6	270.3	253.4	242.7	241.3
52.5°	919.6	465.5	269.9	254.0	267.4	285.9	283.2	267.7	246.9	236.4	234.6
55°	981.1	484.7	261.5	238.0	254.3	283.5	282.1	258.5	242.0	236.2	234.7
57.5°	1057.8	506.7	250.5	221.4	242.0	275.0	270.5	253.0	236.9	232.5	232.0
60°	1157.5	539.0	234.6	203.8	227.0	261.9	261.0	245.0	228.8	225.7	225.1
62.5°	1307.3	592.6	212.6	186.1	210.2	239.6	248.3	234.1	220.3	220.2	220.5
65°	1539.5	673.2	188.7	170.6	193.3	220.8	233.6	222.8	211.6	214.8	215.3
67.5°	1808.6	740.0	165.3	155.4	176.1	202.9	220.3	211.6	200.1	208.4	208.5
70°	1898.1	680.2	144.9	140.4	158.3	185.7	205.9	199.3	187.6	195.9	195.0
72°	1766.4	549.2	131.6	129.1	144.9	171.5	193.1	187.8	176.2	181.8	179.7
72.5°	1724.9	523.6	128.2	126.2	141.2	167.9	189.9	185.0	173.4	178.2	176.2
75°	1538.6	454.8	110.3	110.8	123.2	150.2	171.3	169.7	157.8	158.3	157.6
77.5°	1116.0	333.4	92.9	96.0	104.8	132.1	152.4	151.4	138.6	136.1	135.6
80°	517.9	170.1	75.6	77.0	86.2	110.4	130.0	128.7	118.3	115.3	113.6
82.5°	177.4	80.9	56.8	57.8	66.8	89.0	112.7	112.0	103.3	97.4	93.8
85°	63.3	40.3	39.8	38.9	47.7	70.0	98.3	93.9	81.2	69.1	68.9
87.5°	20.6	17.2	20.6	20.4	27.8	47.3	71.4	60.8	58.9	48.9	48.0
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)