

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: P385695

Luminaire Tested: GAW-SA1B-730-U-T2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385695
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-SA1B-730-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5453 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

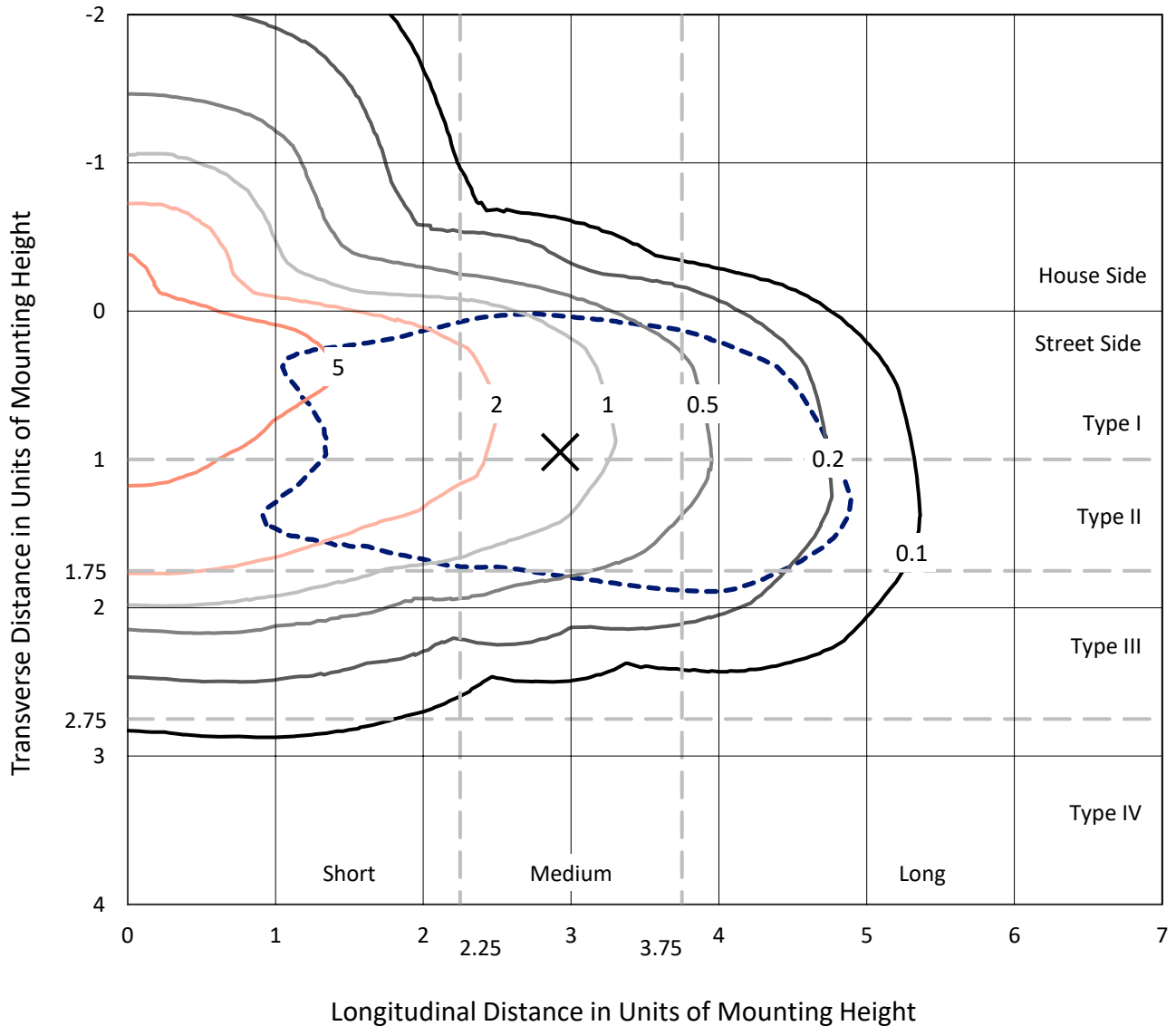
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

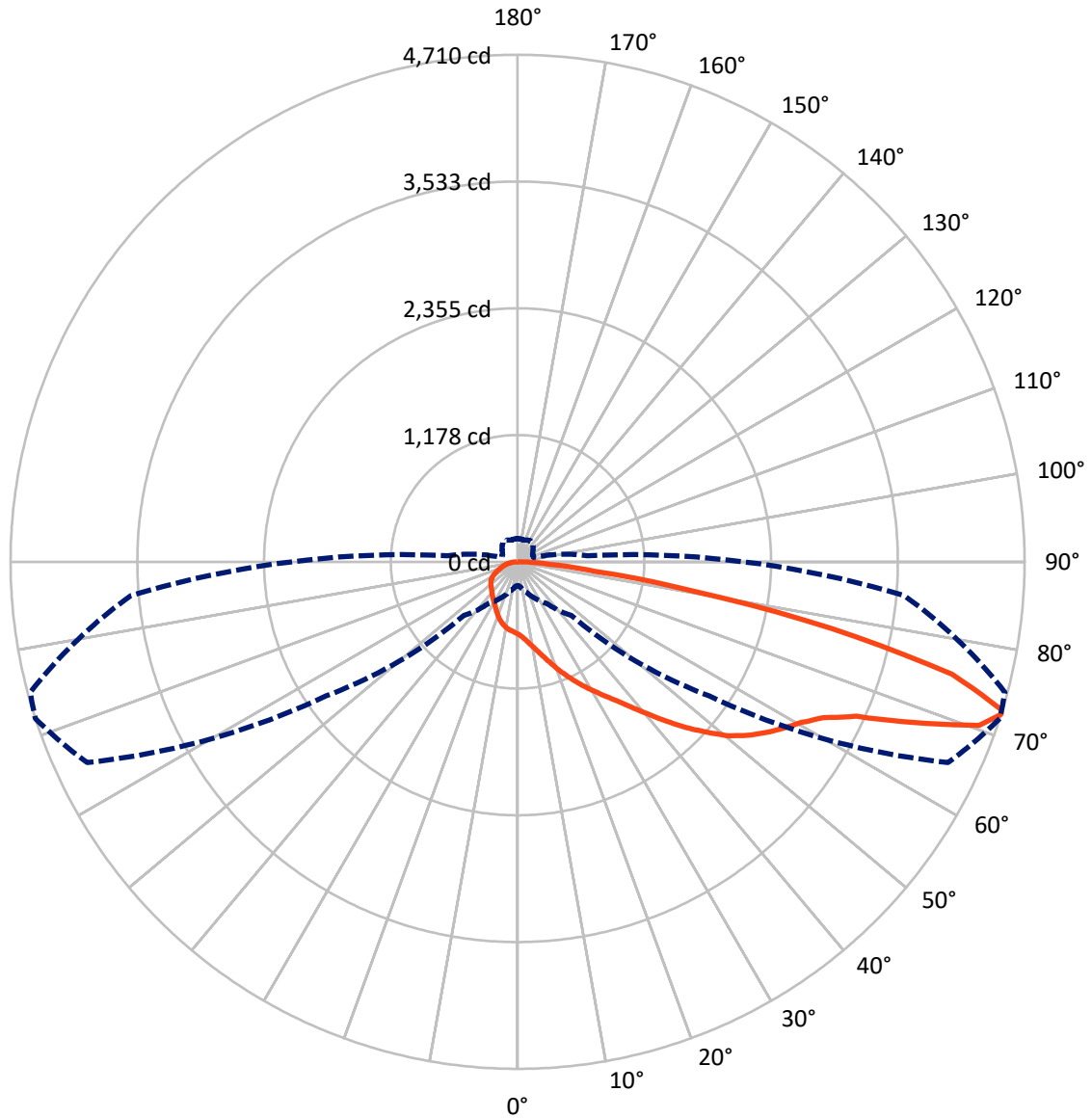
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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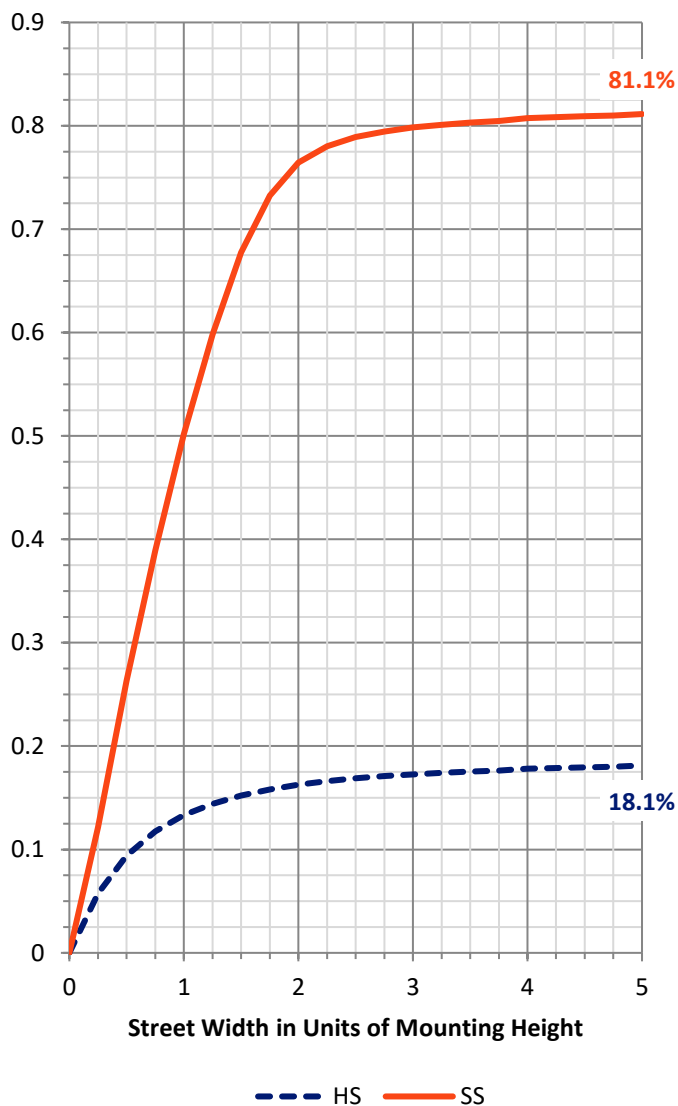
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1011.6	0.0	1011.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4441.4	0.0	4441.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	5453.0	0.0	5453.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	1.2
10°-20°	217.2	4.0
20°-30°	380.7	7.0
30°-40°	564.4	10.4
40°-50°	825.5	15.1
50°-60°	1135.8	20.8
60°-70°	1264.5	23.2
70°-80°	856.8	15.7
80°-90°	140.8	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°	5453.0	100.0
0°-180°	5453.0	100.0

Coefficient of Utilization

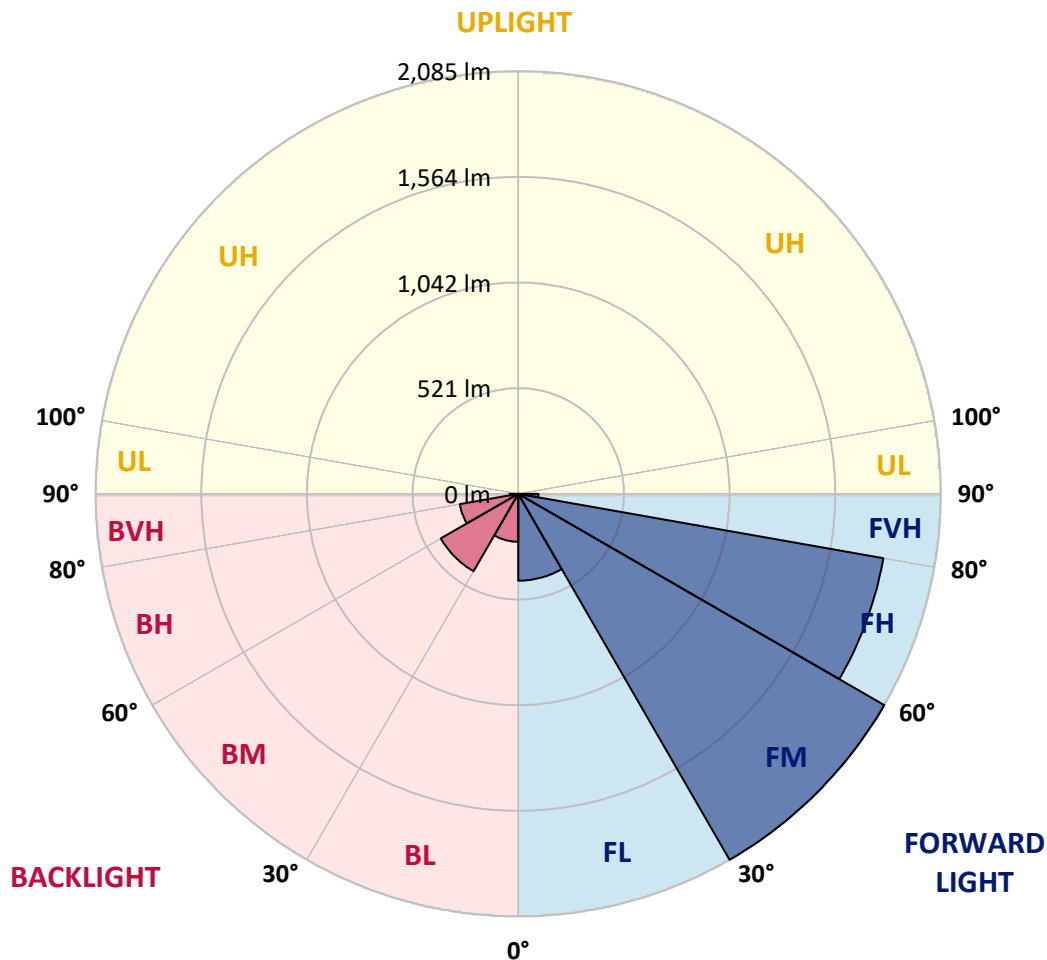


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.6	7.9			
FM (30°-60°)	2084.8	38.2			
FH (60°-80°)	1828.7	33.5			G2/5000
FVH (80°-90°)	99.3	1.8			G1/100
BL (0°-30°)	236.5	4.3	B1/500		
BM (30°-60°)	441.0	8.1	B1/1000		
BH (60°-80°)	292.7	5.4	B1/500		G1/500
BVH (80°-90°)	41.5	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9
2.5°	741.1	740.0	736.0	736.0	728.5	722.1	710.1	702.0	692.5	689.1	677.8
5°	812.8	813.2	808.3	804.9	793.8	780.3	759.9	741.3	722.7	715.2	692.1
7.5°	873.1	872.3	871.0	868.2	857.9	844.0	816.4	788.8	761.4	750.1	710.3
10°	911.8	913.4	914.6	915.9	911.6	901.6	875.5	841.9	806.0	790.7	732.1
12.5°	931.3	934.3	939.5	948.6	955.7	954.6	935.6	899.9	857.3	838.0	759.3
15°	942.7	946.7	954.9	971.1	991.2	1002.6	997.6	965.3	917.8	893.9	792.5
17.5°	949.9	953.1	965.8	987.4	1017.3	1047.7	1061.0	1034.0	986.1	958.9	830.6
20°	954.8	957.2	973.2	998.5	1037.2	1085.6	1122.8	1116.0	1061.4	1026.1	870.4
22.5°	965.6	967.7	982.9	1008.5	1051.3	1113.8	1182.3	1192.5	1140.8	1100.8	913.1
25°	996.1	996.1	1008.8	1026.7	1066.8	1138.2	1232.6	1277.5	1221.9	1175.4	952.5
27.5°	1054.1	1053.5	1058.2	1064.4	1094.8	1163.0	1277.5	1352.6	1306.0	1255.2	990.8
30°	1122.8	1126.6	1127.1	1124.1	1138.4	1194.0	1319.0	1431.8	1390.7	1335.9	1030.0
32.5°	1211.2	1213.7	1210.9	1200.9	1198.8	1237.9	1359.7	1514.8	1482.4	1420.2	1065.9
35°	1323.5	1318.8	1310.0	1289.7	1270.4	1296.7	1406.3	1597.8	1585.2	1522.2	1115.3
37.5°	1443.9	1444.1	1433.2	1387.2	1360.5	1371.8	1470.5	1691.9	1709.7	1643.5	1178.6
40°	1540.4	1545.4	1552.2	1491.7	1457.2	1472.8	1552.2	1801.0	1856.9	1787.3	1261.0
42.5°	1607.8	1613.6	1632.7	1594.8	1559.0	1587.9	1648.3	1917.4	2022.2	1953.3	1357.5
45°	1679.1	1682.3	1695.8	1679.5	1656.6	1721.7	1756.7	2037.9	2197.0	2130.1	1465.5
47.5°	1754.2	1757.6	1771.5	1760.6	1748.6	1846.8	1869.7	2151.5	2364.4	2324.5	1580.7
50°	1847.0	1849.2	1862.4	1842.7	1846.4	1941.0	1970.7	2255.7	2540.0	2499.1	1696.4
52.5°	1973.5	1974.1	1992.3	1974.5	1956.8	2010.1	2057.6	2353.9	2677.6	2658.3	1812.1
55°	2072.7	2078.7	2138.4	2134.6	2124.5	2072.9	2130.3	2447.4	2800.4	2809.6	1934.9
57.5°	2009.4	2032.9	2153.8	2239.0	2322.0	2228.9	2228.5	2552.8	2914.6	2958.1	2069.9
60°	1759.9	1791.8	1970.0	2159.0	2418.7	2500.4	2432.4	2681.4	3029.9	3105.3	2239.0
62.5°	1256.9	1309.4	1550.9	1852.8	2286.1	2680.3	2847.4	2885.5	3186.6	3275.8	2458.9
65°	635.4	675.2	877.6	1241.3	1826.5	2562.7	3298.4	3332.3	3459.1	3538.3	2797.4
67.5°	386.0	401.1	499.8	690.4	1119.8	1996.2	3445.6	4077.2	3986.3	4028.4	3280.1
70°	284.5	295.5	357.1	458.5	644.0	1171.4	2993.8	4608.7	4549.0	4544.3	3636.9
72°	221.6	229.6	284.1	370.4	470.9	702.8	2169.9	4412.5	4710.1	4686.5	3604.2
72.5°	210.1	217.2	266.8	348.7	445.0	637.1	1951.0	4280.1	4698.5	4687.8	3562.0
75°	165.4	170.5	197.5	269.6	348.3	361.4	1069.1	3316.9	4168.1	4341.4	3203.7
77.5°	136.9	137.6	151.9	196.2	271.5	255.5	525.2	2301.4	2984.6	3175.2	2269.4
80°	111.5	112.5	119.2	137.6	205.4	189.1	249.3	1323.3	1671.1	1673.1	1079.2
82.5°	88.8	89.0	96.5	100.6	147.6	135.2	142.9	621.3	730.2	702.4	387.9
85°	62.5	61.2	94.3	82.6	96.5	86.7	78.9	246.0	301.9	288.8	121.5
87.5°	20.8	21.6	41.9	53.5	56.3	49.2	35.1	94.3	114.0	113.0	38.5
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°	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9	670.9
2.5°	674.2	668.2	659.4	649.6	641.9	634.1	628.2	625.2	621.9	619.0	622.4
5°	681.4	670.1	651.3	632.9	619.4	607.4	598.8	594.3	590.1	587.3	587.7
7.5°	693.0	674.8	643.3	616.4	597.6	584.7	575.9	572.9	570.2	569.5	570.4
10°	705.4	678.6	632.6	596.9	575.5	564.8	560.8	562.9	564.8	566.5	568.3
12.5°	719.5	681.9	617.0	574.0	555.8	551.6	555.6	564.6	571.2	575.1	577.5
15°	737.9	684.9	598.9	551.1	538.9	543.6	556.9	572.5	583.9	591.3	592.4
17.5°	754.8	684.8	575.9	528.0	525.2	538.9	559.0	580.9	596.3	606.6	608.7
20°	772.3	679.7	549.0	505.4	511.3	533.8	559.9	586.4	605.0	617.0	619.8
22.5°	788.6	670.9	519.5	485.0	499.6	527.0	556.3	583.2	601.8	611.5	614.5
25°	799.7	655.5	489.7	467.7	489.3	518.8	544.7	566.3	580.2	585.1	585.8
27.5°	805.3	635.4	461.5	452.7	478.6	505.3	523.1	533.8	537.7	537.4	536.6
30°	806.0	608.9	437.3	440.5	466.2	485.4	493.8	491.7	486.7	478.0	478.8
32.5°	803.6	579.0	417.0	428.8	450.4	461.1	461.5	451.6	438.0	424.3	420.6
35°	804.4	549.8	399.2	415.7	431.3	436.0	431.7	417.0	398.6	381.0	377.2
37.5°	812.6	524.2	383.8	400.5	410.1	411.2	405.0	389.6	376.1	358.8	357.3
40°	832.3	506.0	369.1	383.4	388.8	389.4	380.6	369.7	370.8	361.6	361.4
42.5°	867.8	498.1	356.2	365.6	368.9	370.1	363.3	356.4	366.1	360.1	358.1
45°	913.6	500.0	345.3	348.1	354.3	359.6	355.4	347.0	350.7	324.6	316.0
47.5°	966.6	512.0	336.7	333.1	343.8	353.7	347.4	334.6	321.3	295.3	290.5
50°	1028.5	530.6	328.8	318.3	332.3	345.9	339.5	321.3	301.2	288.6	286.9
52.5°	1093.1	553.3	320.9	301.9	317.9	339.8	336.7	318.3	293.5	281.1	278.8
55°	1166.4	576.2	310.9	283.0	302.3	337.0	335.3	307.4	287.6	280.7	279.0
57.5°	1257.4	602.3	297.8	263.2	287.6	326.9	321.6	300.8	281.6	276.4	275.8
60°	1376.1	640.8	278.8	242.2	269.8	311.3	310.2	291.2	272.1	268.3	267.6
62.5°	1554.1	704.5	252.7	221.2	249.9	284.8	295.2	278.3	261.9	261.7	262.1
65°	1830.1	800.2	224.4	202.8	229.8	262.5	277.7	264.9	251.6	255.4	255.9
67.5°	2150.0	879.6	196.6	184.8	209.4	241.3	261.9	251.6	237.9	247.7	247.8
70°	2256.5	808.7	172.2	166.9	188.1	220.8	244.8	237.0	223.1	232.8	231.9
72°	2099.9	652.8	156.4	153.4	172.2	203.9	229.6	223.2	209.5	216.1	213.7
72.5°	2050.5	622.4	152.5	150.0	167.9	199.6	225.7	219.9	206.2	211.8	209.5
75°	1829.1	540.6	131.1	131.6	146.5	178.6	203.5	201.7	187.6	188.1	187.4
77.5°	1326.7	396.4	110.4	114.2	124.7	157.0	181.2	180.1	164.7	161.8	161.3
80°	615.7	202.2	89.9	91.6	102.5	131.2	154.5	153.0	140.6	137.1	135.0
82.5°	210.9	96.1	67.6	68.7	79.4	105.7	134.1	133.1	122.8	115.8	111.5
85°	75.3	47.9	47.3	46.2	56.7	83.2	116.8	111.7	96.5	82.2	81.9
87.5°	24.4	20.5	24.4	24.2	33.0	56.3	84.9	72.3	70.0	58.2	57.1
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)