

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: P318025

Luminaire Tested: **GAN-SA1A-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318025
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359 lumens
Efficiency: N/A
Efficacy: 128.2 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

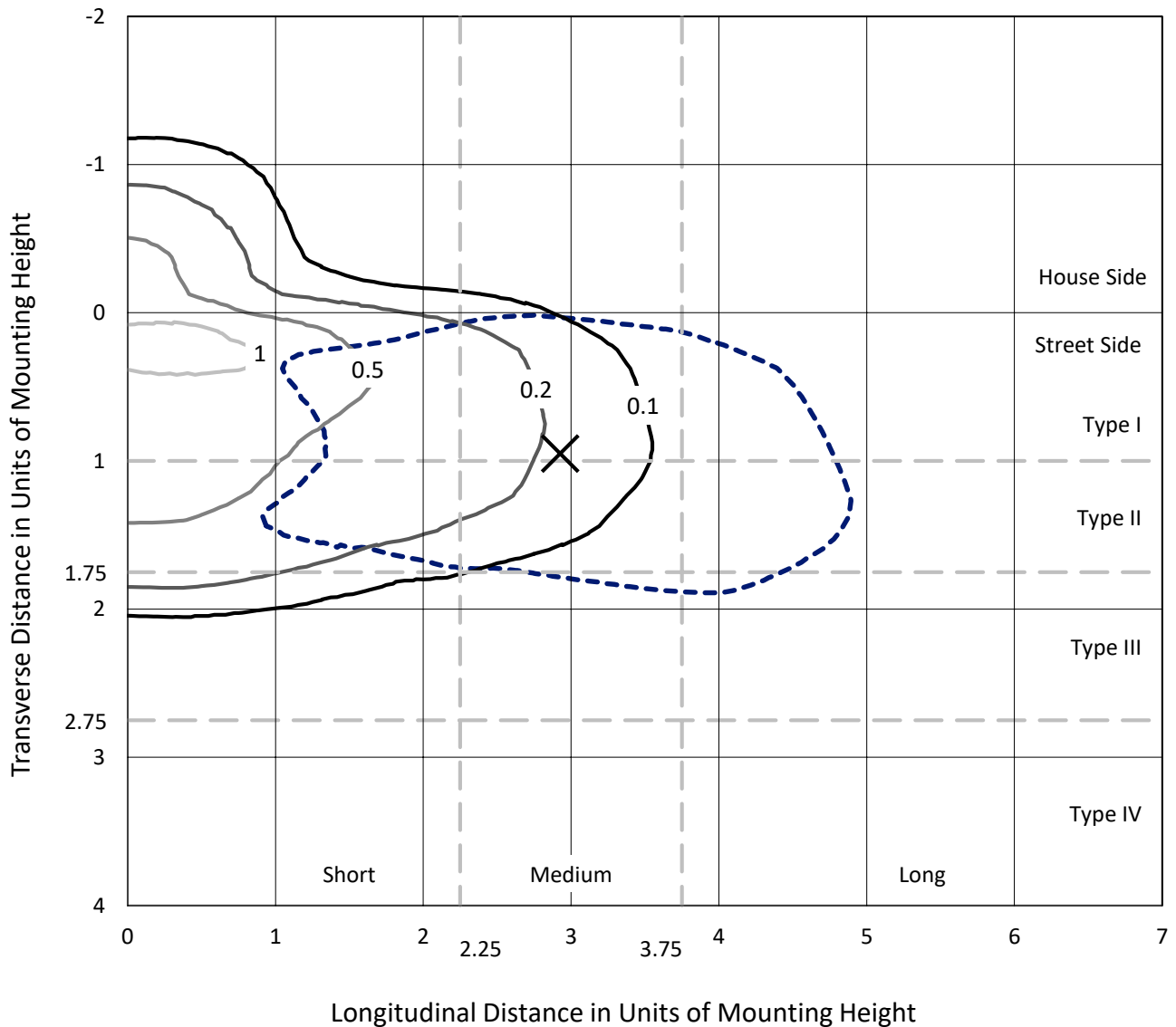
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

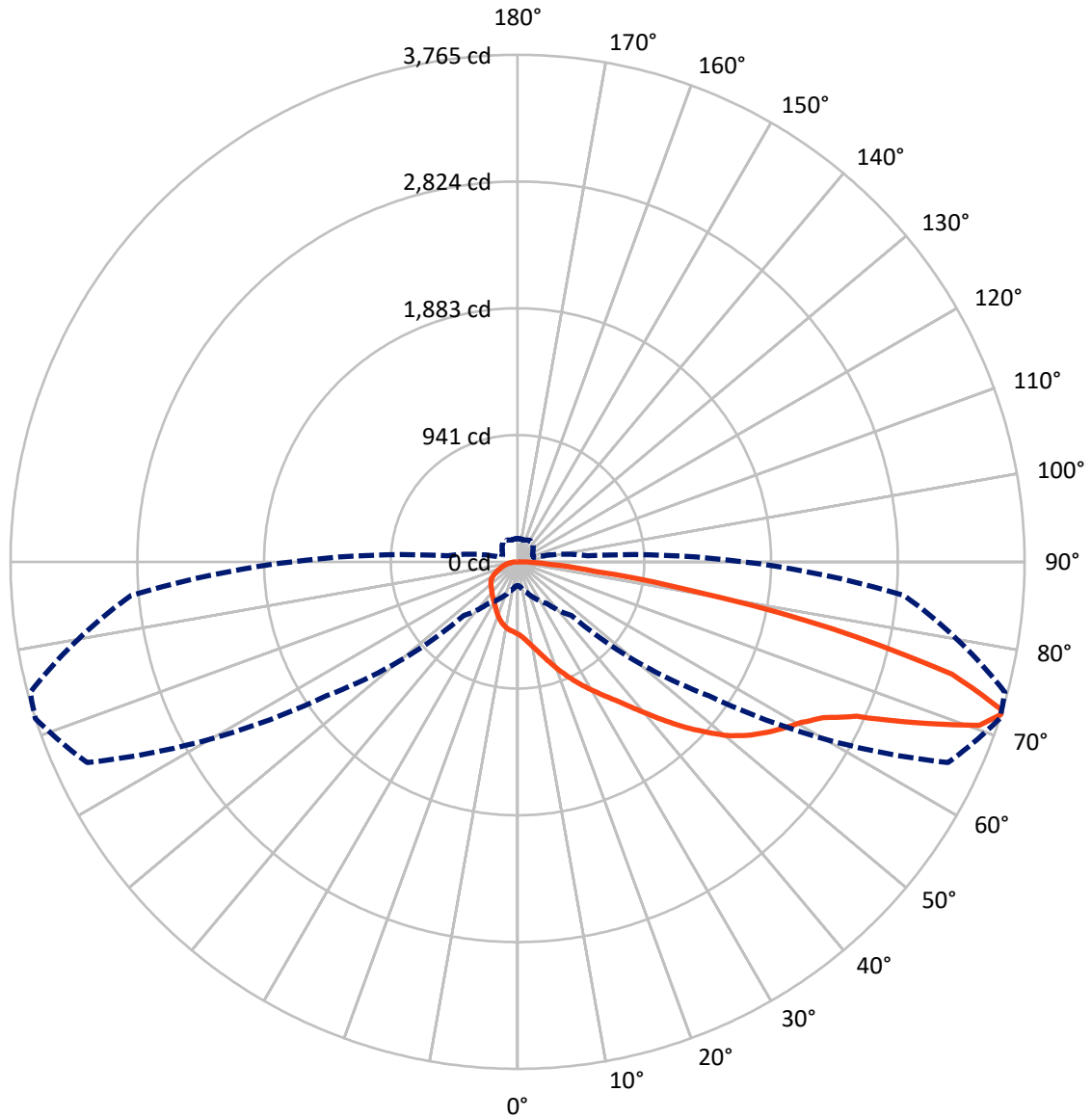
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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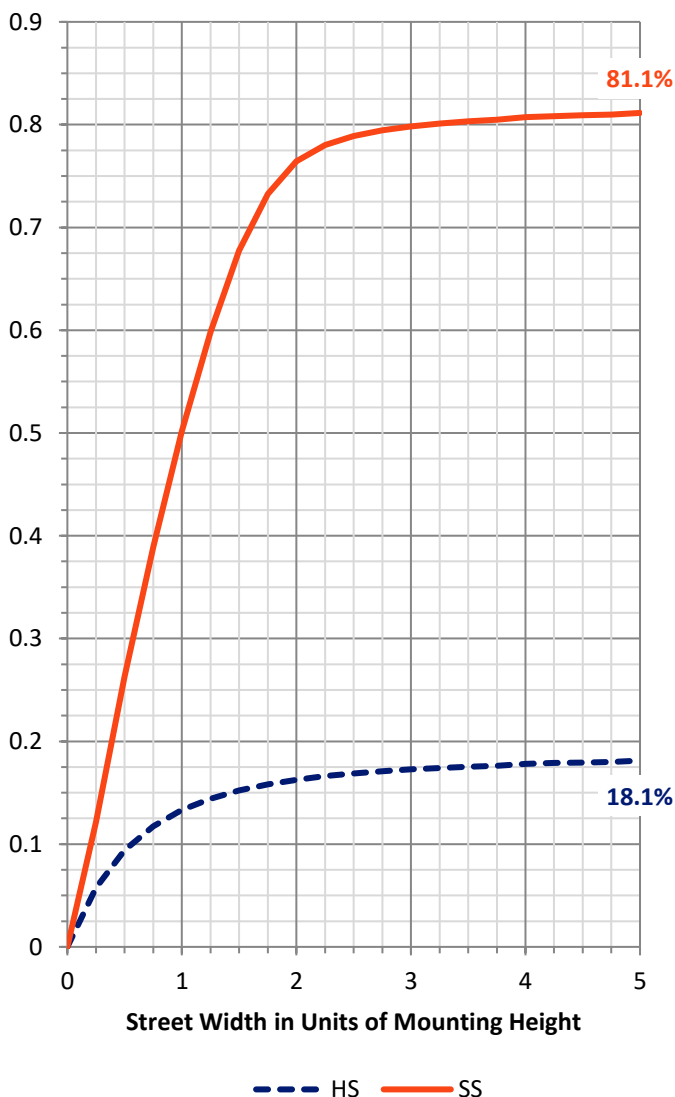
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	808.6	0.0	808.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3550.4	0.0	3550.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	4359.0	0.0	4359.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	1.2
10°-20°	173.6	4.0
20°-30°	304.3	7.0
30°-40°	451.2	10.4
40°-50°	659.9	15.1
50°-60°	908.0	20.8
60°-70°	1010.8	23.2
70°-80°	684.9	15.7
80°-90°	112.6	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°	4359.0	100.0
0°-180°	4359.0	100.0

Coefficient of Utilization

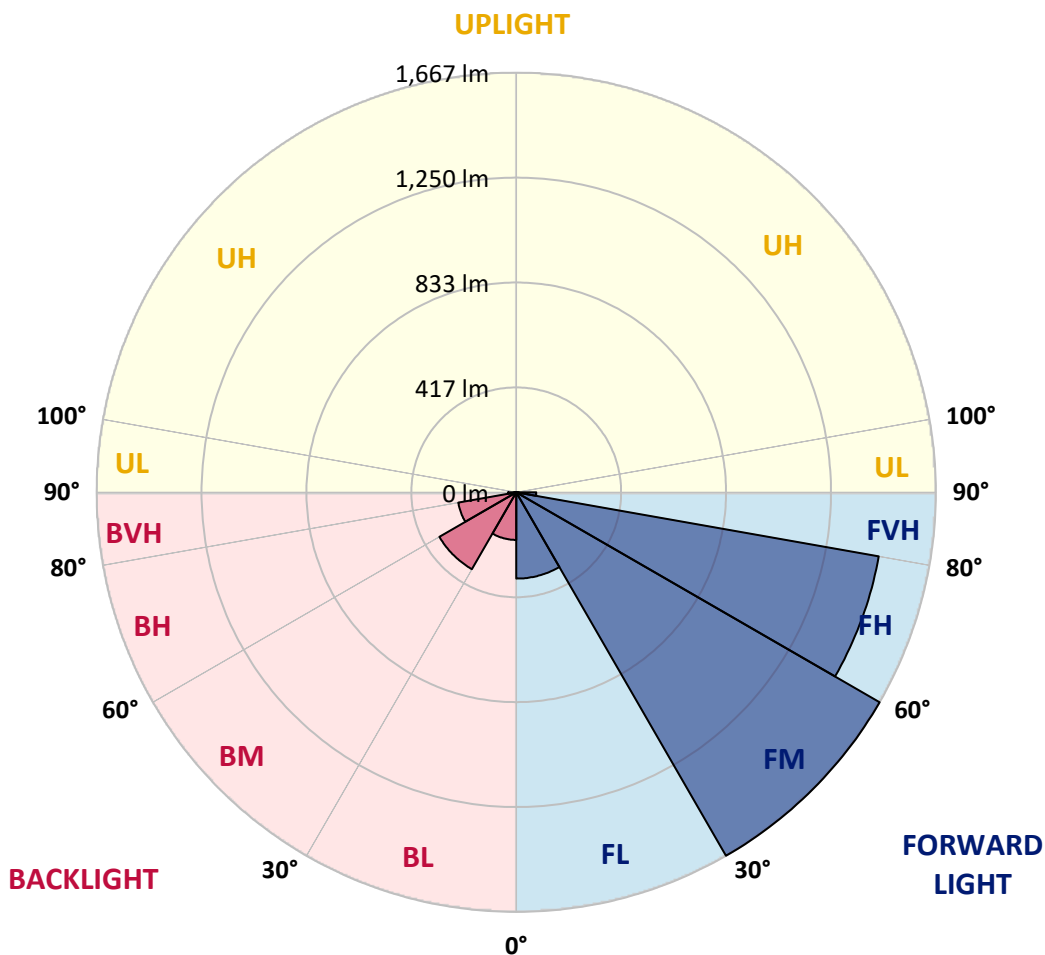


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.6	7.9			
FM (30°-60°)	1666.5	38.2			
FH (60°-80°)	1461.8	33.5			G1/1800
FVH (80°-90°)	79.4	1.8			G1/100
BL (0°-30°)	189.0	4.3	B1/500		
BM (30°-60°)	352.5	8.1	B1/1000		
BH (60°-80°)	233.9	5.4	B1/500		G1/500
BVH (80°-90°)	33.2	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°	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3
2.5°	592.4	591.5	588.4	588.4	582.3	577.2	567.6	561.2	553.5	550.8	541.8
5°	649.7	650.0	646.1	643.4	634.6	623.8	607.4	592.6	577.7	571.7	553.2
7.5°	697.9	697.3	696.3	694.0	685.8	674.7	652.6	630.5	608.6	599.6	567.8
10°	728.8	730.2	731.1	732.1	728.7	720.7	699.9	673.0	644.3	632.0	585.2
12.5°	744.4	746.8	751.0	758.3	764.0	763.1	747.9	719.4	685.3	669.9	607.0
15°	753.6	756.8	763.4	776.3	792.3	801.5	797.4	771.6	733.6	714.6	633.5
17.5°	759.3	761.9	772.1	789.3	813.2	837.5	848.2	826.5	788.3	766.5	664.0
20°	763.2	765.2	777.9	798.2	829.1	867.8	897.5	892.1	848.5	820.2	695.8
22.5°	771.9	773.6	785.7	806.1	840.4	890.3	945.1	953.2	911.9	880.0	729.9
25°	796.2	796.2	806.4	820.7	852.8	909.8	985.3	1021.2	976.8	939.6	761.4
27.5°	842.6	842.2	845.9	850.9	875.2	929.7	1021.2	1081.2	1044.0	1003.4	792.0
30°	897.5	900.5	901.0	898.6	910.0	954.4	1054.4	1144.6	1111.7	1067.9	823.4
32.5°	968.2	970.2	967.9	960.0	958.3	989.5	1087.0	1210.9	1185.0	1135.3	852.1
35°	1058.0	1054.2	1047.2	1031.0	1015.5	1036.5	1124.2	1277.3	1267.2	1216.8	891.5
37.5°	1154.2	1154.3	1145.6	1108.9	1087.6	1096.6	1175.5	1352.5	1366.7	1313.7	942.1
40°	1231.3	1235.4	1240.8	1192.5	1164.8	1177.3	1240.8	1439.7	1484.4	1428.7	1008.0
42.5°	1285.2	1289.9	1305.2	1274.9	1246.2	1269.3	1317.6	1532.7	1616.5	1561.4	1085.1
45°	1342.3	1344.8	1355.6	1342.6	1324.2	1376.3	1404.2	1629.1	1756.2	1702.8	1171.5
47.5°	1402.3	1405.0	1416.1	1407.4	1397.8	1476.3	1494.6	1719.9	1890.1	1858.1	1263.6
50°	1476.4	1478.2	1488.7	1473.0	1476.0	1551.6	1575.3	1803.2	2030.4	1997.7	1356.1
52.5°	1577.6	1578.0	1592.6	1578.3	1564.2	1606.9	1644.8	1881.7	2140.4	2125.0	1448.5
55°	1656.8	1661.6	1709.4	1706.4	1698.3	1657.0	1702.9	1956.4	2238.6	2245.9	1546.7
57.5°	1606.3	1625.0	1721.7	1789.8	1856.2	1781.7	1781.4	2040.6	2329.8	2364.7	1654.6
60°	1406.8	1432.3	1574.7	1725.9	1933.5	1998.7	1944.4	2143.4	2422.0	2482.3	1789.8
62.5°	1004.7	1046.7	1239.7	1481.1	1827.5	2142.5	2276.1	2306.6	2547.3	2618.6	1965.6
65°	507.9	539.7	701.5	992.2	1460.1	2048.6	2636.6	2663.8	2765.1	2828.4	2236.2
67.5°	308.6	320.6	399.5	551.9	895.1	1595.8	2754.3	3259.2	3186.6	3220.2	2622.1
70°	227.4	236.2	285.5	366.5	514.8	936.4	2393.2	3684.1	3636.4	3632.6	2907.2
72°	177.1	183.6	227.1	296.1	376.4	561.8	1734.6	3527.3	3765.2	3746.2	2881.1
72.5°	168.0	173.7	213.3	278.7	355.7	509.3	1559.6	3421.4	3755.8	3747.3	2847.4
75°	132.2	136.3	157.9	215.5	278.4	288.9	854.6	2651.5	3331.8	3470.4	2561.0
77.5°	109.4	110.0	121.4	156.8	217.0	204.3	419.8	1839.7	2385.8	2538.2	1814.1
80°	89.2	89.9	95.3	110.0	164.2	151.1	199.3	1057.8	1335.8	1337.4	862.7
82.5°	71.0	71.1	77.1	80.4	118.0	108.1	114.2	496.6	583.7	561.5	310.1
85°	50.0	48.9	75.3	66.0	77.1	69.3	63.0	196.6	241.3	230.8	97.1
87.5°	16.7	17.3	33.5	42.8	45.0	39.3	28.1	75.3	91.1	90.4	30.8
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°	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3	536.3
2.5°	539.0	534.2	527.1	519.3	513.2	506.9	502.2	499.8	497.1	494.8	497.5
5°	544.7	535.7	520.7	506.0	495.1	485.5	478.6	475.0	471.7	469.5	469.8
7.5°	554.0	539.4	514.2	492.7	477.7	467.4	460.3	457.9	455.8	455.2	456.0
10°	563.9	542.4	505.7	477.1	460.0	451.5	448.3	450.0	451.5	452.8	454.3
12.5°	575.1	545.1	493.2	458.8	444.3	441.0	444.1	451.3	456.6	459.7	461.7
15°	589.9	547.5	478.8	440.5	430.8	434.5	445.2	457.6	466.8	472.6	473.5
17.5°	603.4	547.4	460.3	422.1	419.8	430.8	446.8	464.4	476.7	484.9	486.6
20°	617.3	543.3	438.9	404.0	408.7	426.7	447.6	468.7	483.6	493.2	495.4
22.5°	630.4	536.3	415.3	387.7	399.4	421.3	444.7	466.2	481.0	488.8	491.2
25°	639.2	524.0	391.4	373.9	391.1	414.7	435.4	452.7	463.8	467.7	468.3
27.5°	643.7	507.9	368.9	361.9	382.6	403.9	418.2	426.7	429.9	429.6	429.0
30°	644.3	486.7	349.6	352.1	372.7	388.0	394.7	393.1	389.0	382.1	382.7
32.5°	642.4	462.9	333.3	342.8	360.1	368.6	368.9	361.0	350.2	339.2	336.2
35°	643.0	439.5	319.1	332.3	344.8	348.5	345.1	333.3	318.6	304.5	301.5
37.5°	649.6	419.1	306.8	320.1	327.8	328.7	323.7	311.4	300.6	286.8	285.6
40°	665.3	404.5	295.1	306.5	310.8	311.3	304.2	295.5	296.4	289.1	288.9
42.5°	693.7	398.2	284.7	292.2	294.9	295.8	290.4	284.9	292.7	287.9	286.2
45°	730.3	399.7	276.0	278.3	283.2	287.4	284.1	277.4	280.4	259.5	252.6
47.5°	772.7	409.3	269.1	266.3	274.8	282.8	277.7	267.5	256.8	236.1	232.2
50°	822.2	424.2	262.8	254.4	265.7	276.5	271.4	256.8	240.7	230.7	229.3
52.5°	873.8	442.3	256.5	241.3	254.1	271.7	269.1	254.4	234.6	224.7	222.9
55°	932.4	460.6	248.5	226.2	241.6	269.4	268.1	245.7	229.9	224.4	223.0
57.5°	1005.2	481.5	238.0	210.4	229.9	261.3	257.1	240.4	225.1	220.9	220.5
60°	1100.0	512.3	222.9	193.6	215.7	248.8	247.9	232.8	217.5	214.5	213.9
62.5°	1242.3	563.1	202.0	176.8	199.8	227.7	235.9	222.4	209.4	209.2	209.5
65°	1462.9	639.7	179.4	162.1	183.7	209.8	222.0	211.8	201.1	204.1	204.6
67.5°	1718.7	703.2	157.1	147.7	167.4	192.9	209.4	201.1	190.2	198.0	198.1
70°	1803.8	646.4	137.6	133.4	150.4	176.5	195.7	189.4	178.3	186.1	185.4
72°	1678.6	521.9	125.0	122.6	137.6	163.0	183.6	178.5	167.5	172.8	170.8
72.5°	1639.1	497.5	121.9	119.9	134.2	159.5	180.4	175.8	164.8	169.3	167.5
75°	1462.2	432.1	104.8	105.2	117.1	142.7	162.7	161.2	149.9	150.4	149.8
77.5°	1060.5	316.8	88.3	91.3	99.7	125.5	144.8	143.9	131.6	129.4	128.9
80°	492.1	161.6	71.9	73.2	81.9	104.9	123.5	122.3	112.4	109.6	107.9
82.5°	168.6	76.8	54.0	54.9	63.5	84.5	107.2	106.4	98.2	92.6	89.2
85°	60.2	38.3	37.8	36.9	45.3	66.5	93.4	89.3	77.1	65.7	65.4
87.5°	19.5	16.4	19.5	19.4	26.4	45.0	67.8	57.8	56.0	46.5	45.6
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)