

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: P318035

Luminaire Tested: **GAN-SA1B-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318035
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-SA1B-730-U-T2
Description: GALLEON AREA AND ROADWAY 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: 5347 lumens
Efficiency: N/A
Efficacy: 121.5 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

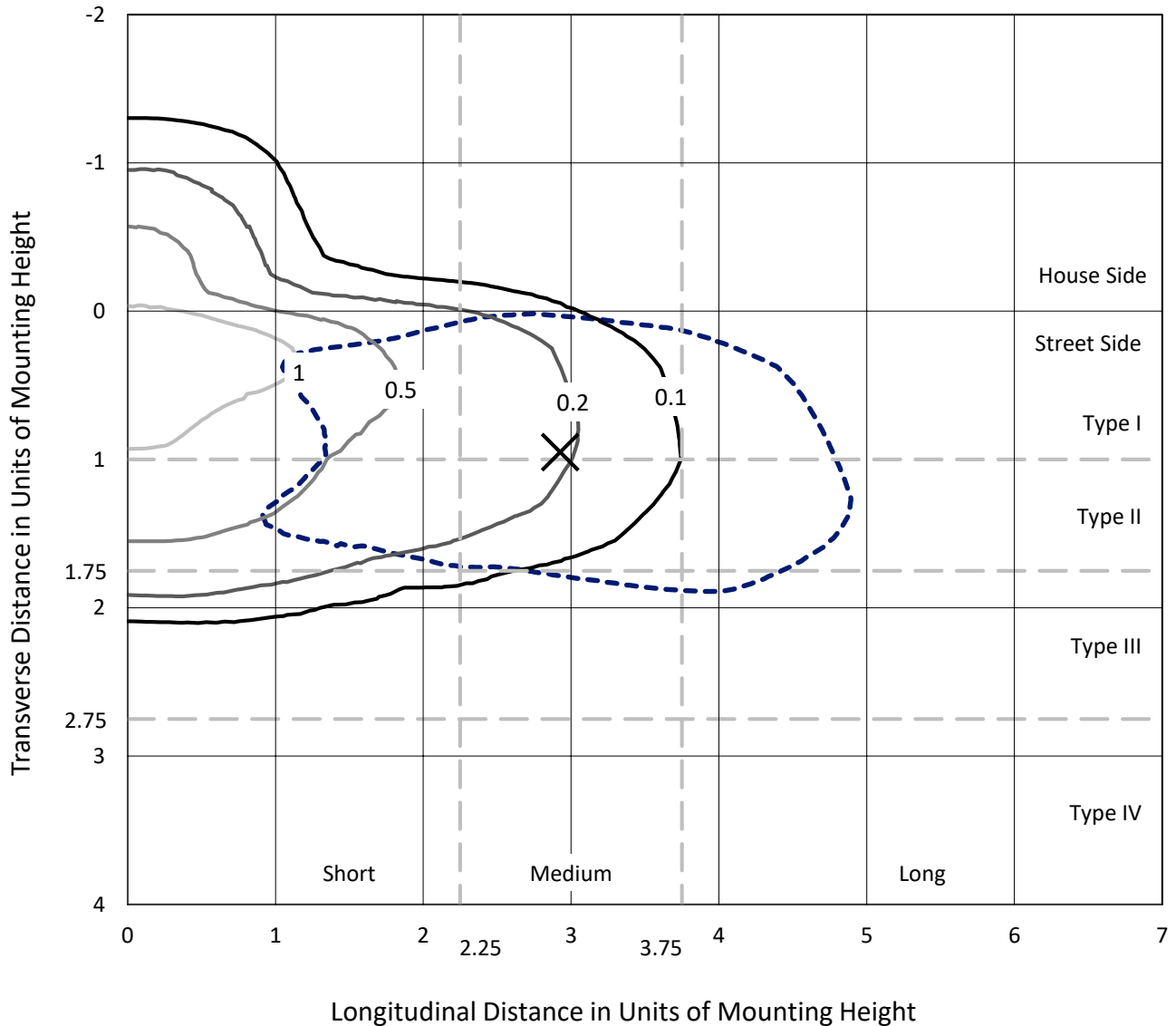
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

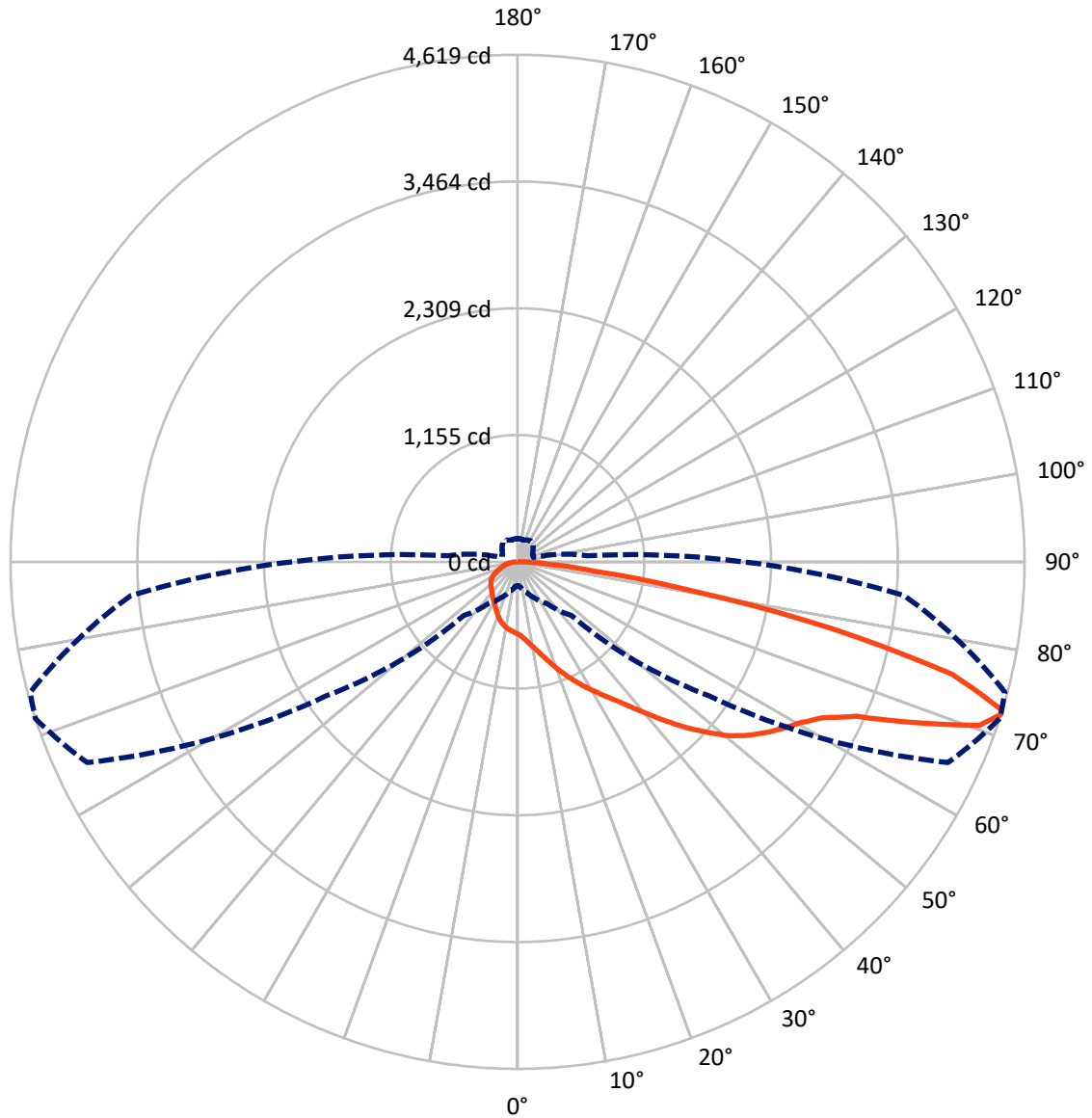
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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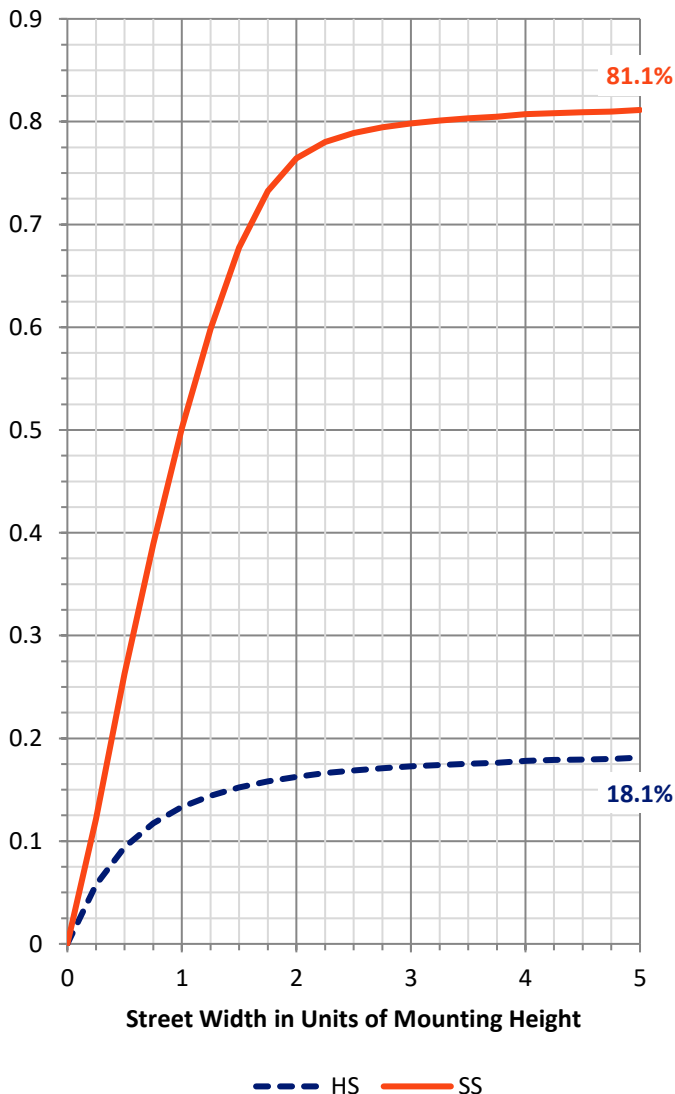
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	991.9	0.0	991.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4355.1	0.0	4355.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	5347.0	0.0	5347.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.2
10°-20°	213.0	4.0
20°-30°	373.3	7.0
30°-40°	553.4	10.4
40°-50°	809.4	15.1
50°-60°	1113.8	20.8
60°-70°	1239.9	23.2
70°-80°	840.2	15.7
80°-90°	138.1	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°	5347.0	100.0
0°-180°	5347.0	100.0

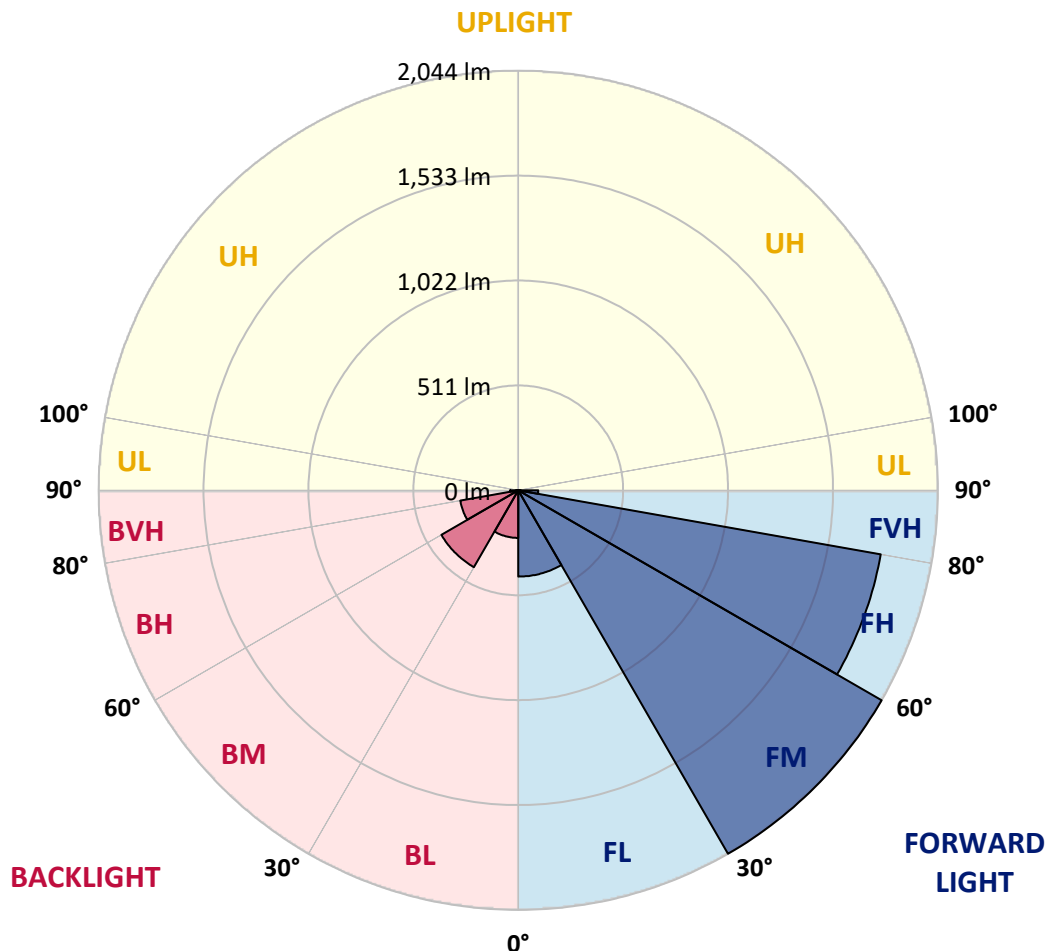


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.3	7.9			
FM (30°-60°)	2044.2	38.2			
FH (60°-80°)	1793.2	33.5			G1/1800
FVH (80°-90°)	97.4	1.8			G1/100
BL (0°-30°)	231.9	4.3	B1/500		
BM (30°-60°)	432.4	8.1	B1/1000		
BH (60°-80°)	287.0	5.4	B1/500		G1/500
BVH (80°-90°)	40.7	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°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8
2.5°	726.7	725.6	721.7	721.7	714.3	708.1	696.3	688.4	679.0	675.7	664.6
5°	797.0	797.4	792.6	789.3	778.4	765.2	745.1	726.9	708.6	701.3	678.6
7.5°	856.1	855.4	854.1	851.3	841.2	827.6	800.5	773.4	746.6	735.5	696.5
10°	894.0	895.7	896.8	898.1	893.8	884.1	858.5	825.5	790.4	775.3	717.8
12.5°	913.2	916.1	921.3	930.1	937.1	936.0	917.4	882.4	840.6	821.7	744.5
15°	924.4	928.3	936.4	952.2	971.9	983.1	978.2	946.5	899.9	876.5	777.1
17.5°	931.4	934.5	947.1	968.2	997.5	1027.3	1040.4	1013.9	966.9	940.2	814.5
20°	936.2	938.6	954.2	979.1	1017.0	1064.5	1101.0	1094.3	1040.8	1006.2	853.5
22.5°	946.9	948.9	963.8	988.8	1030.8	1092.1	1159.3	1169.3	1118.6	1079.4	895.3
25°	976.7	976.7	989.2	1006.7	1046.1	1116.1	1208.7	1252.7	1198.2	1152.5	934.0
27.5°	1033.6	1033.0	1037.6	1043.7	1073.5	1140.4	1252.7	1326.3	1280.7	1230.8	971.5
30°	1101.0	1104.7	1105.2	1102.3	1116.3	1170.7	1293.4	1404.0	1363.7	1309.9	1010.0
32.5°	1187.7	1190.1	1187.3	1177.6	1175.5	1213.8	1333.3	1485.4	1453.5	1392.6	1045.2
35°	1297.8	1293.2	1284.5	1264.6	1245.7	1271.5	1379.0	1566.8	1554.4	1492.6	1093.6
37.5°	1415.8	1416.0	1405.3	1360.2	1334.1	1345.1	1441.9	1659.0	1676.5	1611.5	1155.7
40°	1510.4	1515.4	1522.0	1462.7	1428.9	1444.1	1522.0	1766.0	1820.8	1752.5	1236.5
42.5°	1576.5	1582.2	1601.0	1563.8	1528.7	1557.0	1616.3	1880.1	1982.9	1915.3	1331.1
45°	1646.5	1649.6	1662.9	1646.9	1624.4	1688.3	1722.5	1998.3	2154.3	2088.7	1437.0
47.5°	1720.1	1723.4	1737.1	1726.4	1714.6	1810.9	1833.4	2109.7	2318.5	2279.3	1550.0
50°	1811.1	1813.3	1826.2	1806.8	1810.5	1903.3	1932.4	2211.9	2490.6	2450.5	1663.4
52.5°	1935.2	1935.7	1953.6	1936.1	1918.8	1971.1	2017.6	2308.2	2625.6	2606.6	1776.8
55°	2032.4	2038.3	2096.8	2093.1	2083.2	2032.6	2088.9	2399.9	2746.0	2755.0	1897.2
57.5°	1970.3	1993.3	2111.9	2195.5	2276.9	2185.6	2185.2	2503.1	2857.9	2900.6	2029.6
60°	1725.7	1756.9	1931.7	2117.1	2371.7	2451.8	2385.1	2629.3	2971.0	3045.0	2195.5
62.5°	1232.4	1284.0	1520.7	1816.8	2241.7	2628.2	2792.0	2829.4	3124.7	3212.1	2411.1
65°	623.0	662.1	860.5	1217.1	1791.0	2512.9	3234.2	3267.6	3391.8	3469.5	2743.0
67.5°	378.5	393.3	490.1	677.0	1098.0	1957.4	3378.6	3997.9	3908.8	3950.1	3216.4
70°	278.9	289.8	350.2	449.6	631.5	1148.7	2935.6	4519.1	4460.6	4456.0	3566.2
72°	217.2	225.2	278.6	363.2	461.7	689.1	2127.7	4326.7	4618.6	4595.4	3534.2
72.5°	206.0	213.0	261.6	341.9	436.3	624.7	1913.1	4196.9	4607.1	4596.6	3492.7
75°	162.2	167.2	193.7	264.4	341.5	354.4	1048.3	3252.5	4087.0	4257.0	3141.4
77.5°	134.2	135.0	148.9	192.4	266.2	250.6	515.0	2256.6	2926.6	3113.5	2225.3
80°	109.4	110.3	116.9	135.0	201.4	185.4	244.5	1297.6	1638.6	1640.6	1058.3
82.5°	87.1	87.3	94.6	98.7	144.7	132.6	140.1	609.2	716.0	688.8	380.4
85°	61.3	60.0	92.4	81.0	94.6	85.1	77.3	241.2	296.0	283.2	119.1
87.5°	20.4	21.2	41.1	52.5	55.2	48.2	34.4	92.4	111.8	110.8	37.7
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°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8
2.5°	661.1	655.2	646.6	637.0	629.5	621.7	616.0	613.1	609.8	607.0	610.3
5°	668.1	657.1	638.7	620.6	607.4	595.6	587.1	582.7	578.7	575.9	576.3
7.5°	679.5	661.7	630.8	604.4	586.0	573.3	564.7	561.7	559.1	558.4	559.3
10°	691.7	665.4	620.3	585.3	564.3	553.8	549.9	552.0	553.8	555.5	557.3
12.5°	705.5	668.7	605.0	562.8	545.0	540.9	544.8	553.6	560.1	563.9	566.3
15°	723.5	671.6	587.3	540.4	528.4	533.0	546.1	561.3	572.6	579.8	580.9
17.5°	740.1	671.4	564.7	517.7	515.0	528.4	548.1	569.6	584.7	594.9	596.9
20°	757.2	666.5	538.3	495.6	501.3	523.4	549.0	575.0	593.2	605.0	607.7
22.5°	773.3	657.8	509.4	475.6	489.9	516.8	545.5	571.8	590.1	599.6	602.6
25°	784.1	642.7	480.2	458.6	479.8	508.7	534.1	555.3	568.9	573.7	574.4
27.5°	789.6	623.0	452.5	443.9	469.3	495.4	512.9	523.4	527.3	526.9	526.2
30°	790.4	597.1	428.8	431.9	457.1	475.9	484.2	482.2	477.2	468.7	469.5
32.5°	788.0	567.8	408.9	420.5	441.7	452.2	452.5	442.8	429.5	416.1	412.4
35°	788.7	539.1	391.4	407.6	422.9	427.5	423.3	408.9	390.9	373.6	369.9
37.5°	796.8	514.0	376.3	392.7	402.1	403.2	397.1	382.0	368.8	351.8	350.4
40°	816.2	496.2	362.0	376.0	381.3	381.8	373.2	362.5	363.6	354.6	354.4
42.5°	851.0	488.4	349.3	358.5	361.8	362.9	356.3	349.4	359.0	353.1	351.1
45°	895.9	490.3	338.6	341.3	347.4	352.6	348.5	340.2	343.9	318.3	309.9
47.5°	947.8	502.1	330.1	326.6	337.1	346.9	340.6	328.1	315.0	289.6	284.8
50°	1008.5	520.3	322.4	312.1	325.9	339.1	332.9	315.0	295.3	283.0	281.3
52.5°	1071.9	542.6	314.6	296.0	311.7	333.2	330.1	312.1	287.8	275.6	273.4
55°	1143.7	565.0	304.9	277.5	296.4	330.5	328.8	301.4	282.1	275.2	273.6
57.5°	1233.0	590.6	292.0	258.1	282.1	320.5	315.4	294.9	276.2	271.0	270.5
60°	1349.3	628.4	273.4	237.5	264.6	305.3	304.1	285.6	266.8	263.1	262.4
62.5°	1523.9	690.8	247.8	216.9	245.0	279.3	289.4	272.8	256.8	256.6	257.0
65°	1794.5	784.7	220.0	198.8	225.3	257.4	272.3	259.8	246.7	250.4	250.9
67.5°	2108.2	862.5	192.8	181.2	205.3	236.6	256.8	246.7	233.3	242.8	243.0
70°	2212.6	793.0	168.8	163.7	184.5	216.5	240.1	232.3	218.7	228.3	227.4
72°	2059.1	640.1	153.4	150.4	168.8	199.9	225.2	218.9	205.5	211.9	209.5
72.5°	2010.7	610.3	149.5	147.1	164.6	195.7	221.3	215.6	202.2	207.7	205.5
75°	1793.6	530.0	128.5	129.1	143.6	175.1	199.6	197.7	183.9	184.5	183.7
77.5°	1300.9	388.7	108.3	111.9	122.2	153.9	177.7	176.6	161.5	158.7	158.1
80°	603.7	198.3	88.2	89.8	100.5	128.7	151.5	150.0	137.9	134.4	132.4
82.5°	206.8	94.3	66.3	67.4	77.9	103.7	131.5	130.5	120.4	113.6	109.4
85°	73.8	46.9	46.4	45.3	55.6	81.6	114.5	109.5	94.6	80.6	80.3
87.5°	23.9	20.1	23.9	23.8	32.4	55.2	83.2	70.9	68.7	57.1	56.0
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)