

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: P318675

Luminaire Tested: **GAN-SA1B-730-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5481 lumens
Efficiency: N/A
Efficacy: 124.6 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

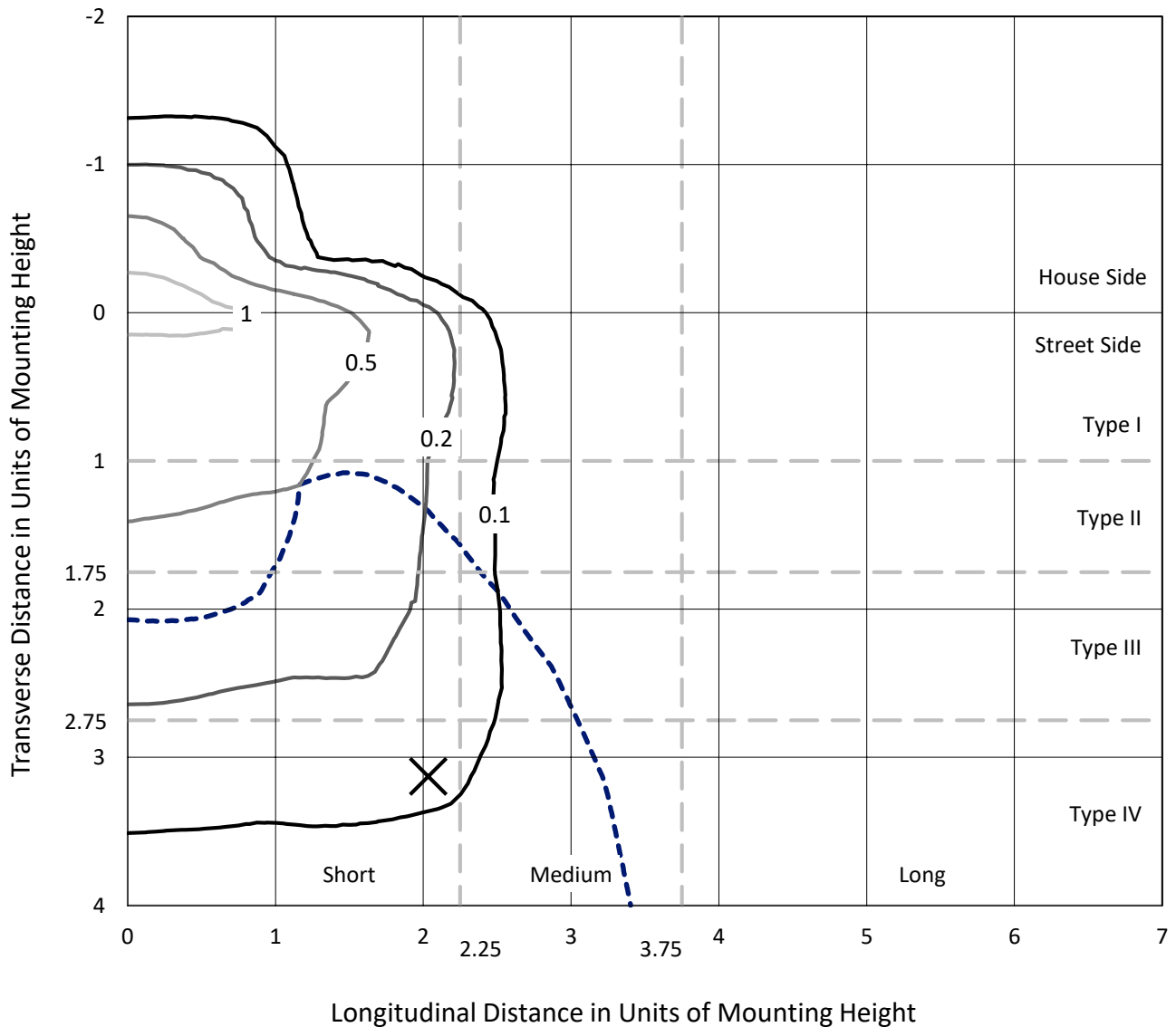
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

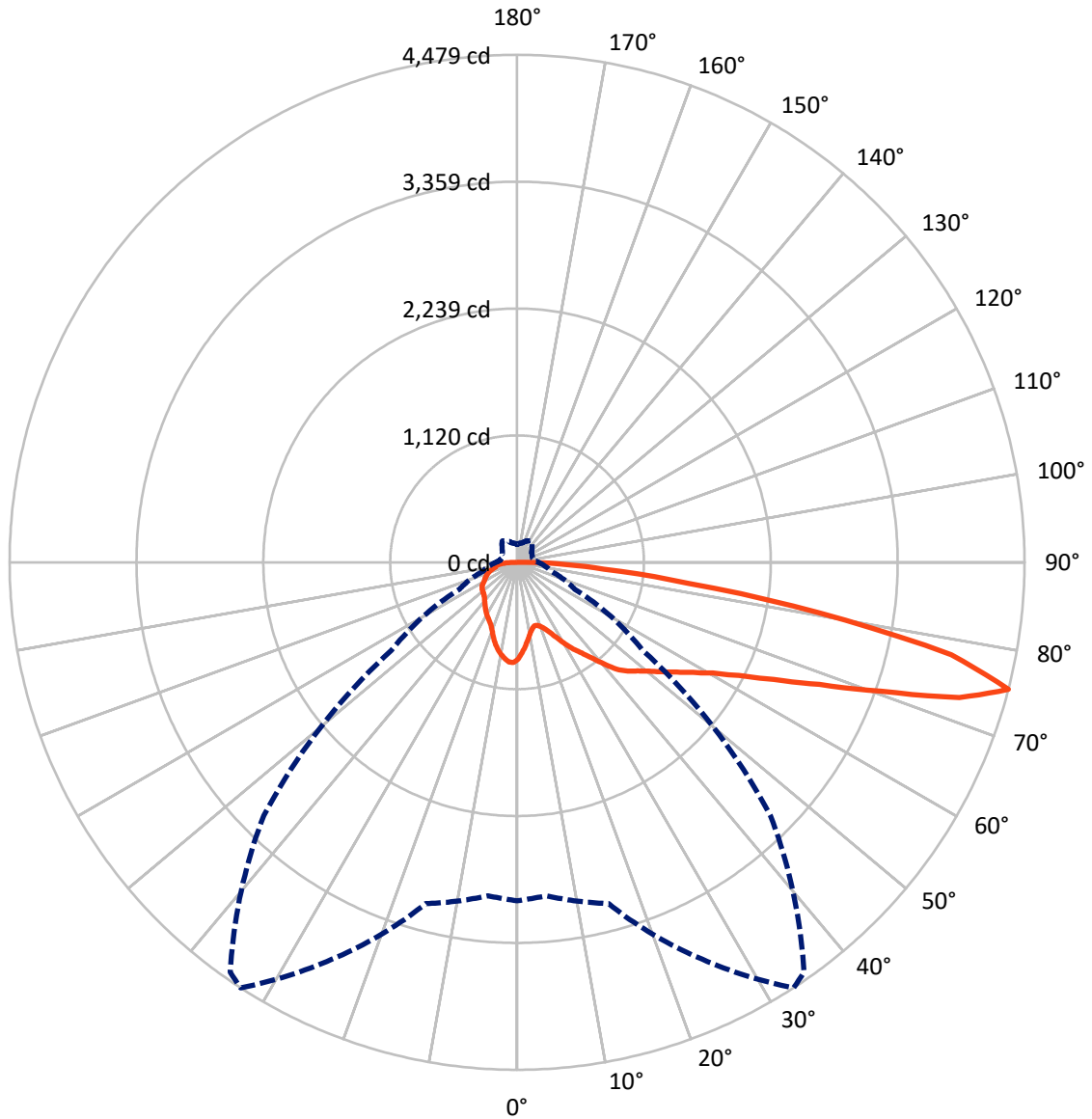
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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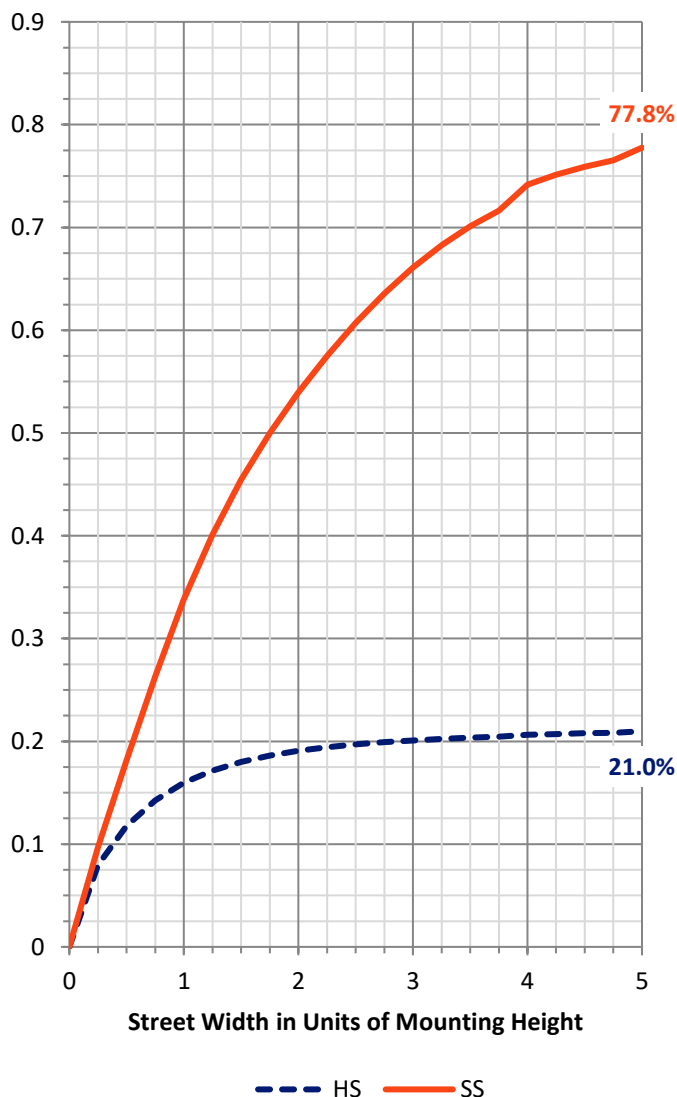
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.9	0.0	1176.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4304.1	0.0	4304.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	5481.0	0.0	5481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	1.4
10°-20°	209.8	3.8
20°-30°	342.7	6.3
30°-40°	510.4	9.3
40°-50°	732.0	13.4
50°-60°	1004.9	18.3
60°-70°	1258.1	23.0
70°-80°	1138.2	20.8
80°-90°	207.3	3.8
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°	5481.0	100.0
0°-180°	5481.0	100.0

Coefficient of Utilization

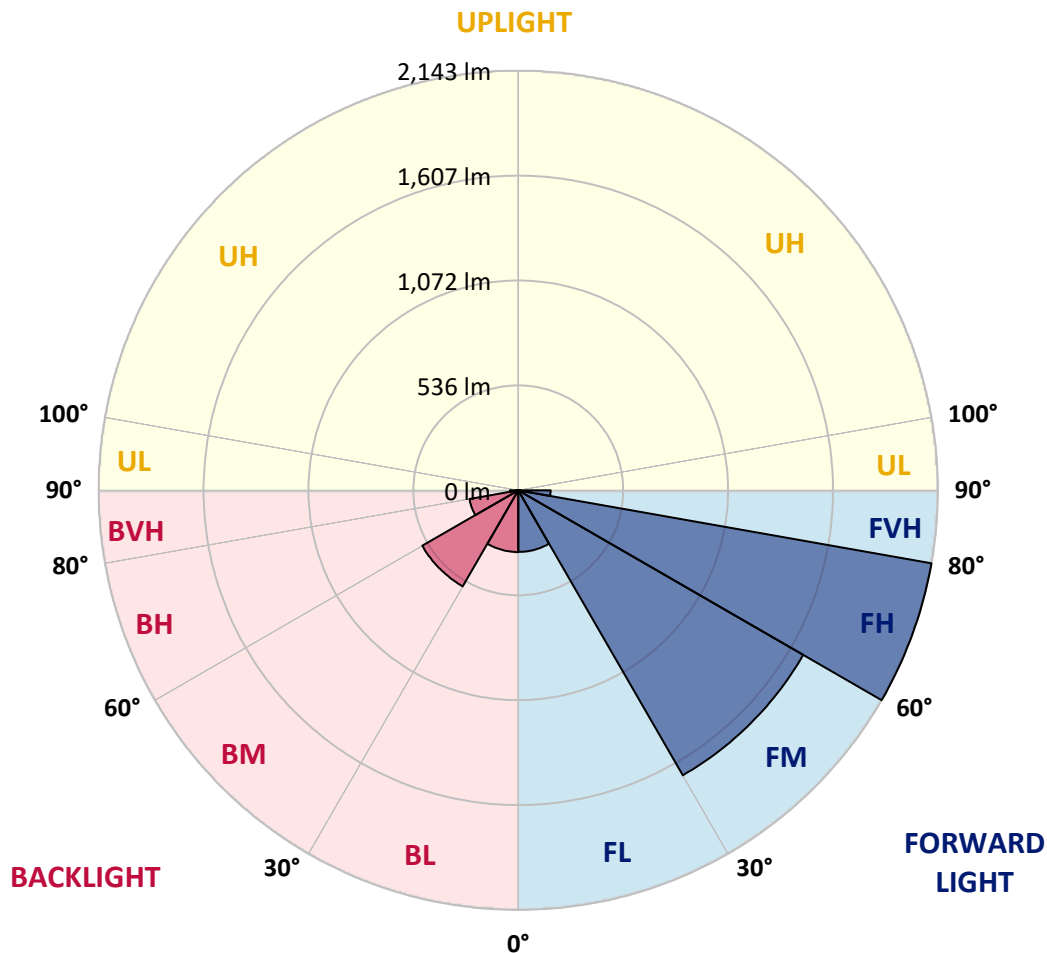


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.8	5.7			
FM (30°-60°)	1680.9	30.7			
FH (60°-80°)	2143.3	39.1			G2/5000
FVH (80°-90°)	165.1	3.0			G2/225
BL (0°-30°)	315.2	5.8	B1/500		
BM (30°-60°)	566.4	10.3	B1/1000		
BH (60°-80°)	253.1	4.6	B1/500		G1/500
BVH (80°-90°)	42.2	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7
2.5°	795.6	792.5	798.2	799.0	803.9	805.8	812.6	823.2	831.9	841.9	851.0
5°	723.4	721.3	729.3	735.0	745.8	750.3	766.4	788.9	809.0	831.7	852.4
7.5°	654.9	653.8	662.6	675.5	688.0	694.3	722.1	754.9	788.4	825.1	856.7
10°	597.1	596.8	605.3	618.0	636.3	643.3	679.3	722.5	769.4	820.0	864.1
12.5°	564.8	566.1	570.1	580.7	597.7	604.7	644.7	695.4	753.5	818.3	874.9
15°	572.7	574.8	568.0	567.6	579.7	585.2	622.7	676.1	742.2	821.1	890.6
17.5°	606.6	607.0	589.0	577.6	585.0	587.9	615.9	665.1	735.5	827.6	910.3
20°	654.3	653.4	621.6	602.6	606.6	607.4	625.5	665.3	735.0	838.7	935.9
22.5°	717.6	710.5	667.8	642.0	641.1	639.9	650.3	679.3	743.3	856.9	966.3
25°	800.1	793.5	734.6	699.4	691.8	689.0	690.5	709.2	759.8	876.4	1000.4
27.5°	891.9	880.4	823.6	773.8	758.1	754.1	745.0	751.4	777.8	895.1	1040.9
30°	968.8	962.5	912.9	853.9	835.3	829.6	805.8	798.8	803.7	920.7	1092.0
32.5°	1011.8	1007.6	977.5	929.8	912.6	904.6	870.9	856.9	845.4	961.0	1161.3
35°	1063.8	1061.2	1043.0	1008.4	982.8	974.5	948.3	933.8	904.0	1016.5	1250.9
37.5°	1130.1	1127.3	1127.6	1099.6	1069.1	1061.4	1044.1	1028.8	980.2	1089.4	1348.2
40°	1205.1	1199.6	1197.5	1196.2	1176.9	1172.5	1163.4	1142.6	1075.6	1176.5	1444.2
42.5°	1317.9	1298.4	1256.8	1272.5	1291.6	1289.3	1296.7	1266.8	1181.6	1279.5	1537.9
45°	1426.8	1394.8	1322.8	1326.2	1368.1	1380.8	1436.1	1414.9	1296.5	1392.3	1634.9
47.5°	1476.4	1452.1	1391.0	1391.2	1432.6	1459.0	1580.1	1565.0	1417.3	1520.5	1753.2
50°	1531.9	1507.6	1452.7	1473.4	1509.5	1537.5	1719.3	1711.5	1532.2	1660.8	1895.0
52.5°	1592.4	1551.4	1516.5	1553.4	1604.2	1636.7	1858.6	1837.4	1637.7	1802.0	2058.0
55°	1593.2	1582.0	1608.5	1635.6	1711.5	1751.5	2004.6	1948.6	1723.6	1940.8	2190.7
57.5°	1683.9	1665.7	1721.9	1734.4	1833.6	1878.7	2149.8	2045.3	1811.1	2047.2	2262.3
60°	1803.9	1788.4	1834.4	1867.3	1984.7	2044.9	2304.9	2144.7	1879.8	2127.5	2258.9
62.5°	2011.2	1993.6	1993.1	2039.3	2197.3	2267.4	2478.9	2242.2	1907.1	2143.4	2162.5
65°	2314.7	2286.7	2233.9	2255.8	2491.0	2560.9	2673.3	2312.8	1871.1	2058.2	1914.3
67.5°	2610.1	2609.1	2544.2	2589.3	2878.7	2934.8	2894.8	2319.8	1758.9	1761.5	1473.9
70°	2904.5	2908.3	2897.3	3054.1	3402.6	3460.9	3130.7	2225.7	1506.5	1272.1	883.0
72.5°	3137.7	3136.8	3192.1	3596.3	4082.5	4069.4	3329.5	1940.6	1081.6	686.7	422.0
75°	2986.7	2953.7	3118.4	3864.8	4478.8	4414.9	3160.5	1353.7	561.4	312.6	227.2
77.5°	1948.0	1979.2	2221.0	3192.6	3917.6	3840.0	2318.7	631.6	264.5	205.0	164.7
80°	705.4	738.4	1040.0	1808.5	2699.1	2686.4	1141.8	259.6	178.9	154.9	120.0
82.5°	242.7	254.8	410.3	803.1	1523.9	1580.7	429.6	147.5	130.1	109.8	82.2
85°	95.2	109.1	187.6	386.4	768.7	774.4	174.0	88.2	90.5	71.9	45.1
87.5°	36.2	43.9	89.7	179.5	351.0	322.4	62.3	42.0	51.5	42.8	21.4
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°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7	856.7
2.5°	858.0	862.0	870.3	876.0	882.1	883.8	884.5	886.1	887.6	887.0	887.2
5°	863.3	871.1	884.5	890.2	892.9	889.8	884.0	879.2	875.8	873.9	873.4
7.5°	872.0	883.0	897.4	896.5	890.4	877.0	861.8	850.5	841.0	837.6	835.7
10°	883.6	896.5	906.5	895.7	878.1	854.8	832.1	814.5	800.3	794.8	793.9
12.5°	898.4	911.4	913.3	890.4	861.3	829.4	798.6	775.3	754.1	747.3	745.8
15°	917.5	929.8	918.1	881.1	840.4	797.6	757.7	726.1	703.7	695.4	692.4
17.5°	937.6	949.3	919.0	865.8	813.2	760.0	709.8	677.4	651.9	642.2	641.1
20°	961.6	966.9	915.0	843.8	775.7	711.1	658.3	627.8	614.2	607.4	606.6
22.5°	991.3	985.6	905.9	814.1	728.2	654.7	611.7	597.5	594.1	592.6	593.2
25°	1022.8	1005.3	892.5	775.3	668.1	598.3	577.6	581.6	586.2	585.6	585.6
27.5°	1057.4	1025.4	871.9	723.8	601.7	552.1	554.5	569.1	575.9	575.7	575.6
30°	1101.9	1048.1	845.5	661.9	539.6	519.5	534.5	552.3	561.5	561.2	561.4
32.5°	1156.6	1073.1	809.8	592.8	494.7	495.5	512.7	530.3	541.1	540.2	540.3
35°	1220.6	1101.1	761.3	524.6	465.0	476.4	490.0	502.3	512.5	511.2	509.9
37.5°	1290.3	1128.6	696.9	463.7	440.8	458.6	469.9	472.0	476.7	473.3	470.9
40°	1356.5	1149.6	614.0	413.7	416.3	443.4	450.8	442.5	433.9	432.8	429.4
42.5°	1414.3	1156.6	530.1	373.7	390.6	427.5	432.0	414.6	399.3	392.1	389.1
45°	1475.2	1159.1	451.9	340.2	365.8	413.3	418.2	394.9	373.4	357.8	352.7
47.5°	1555.0	1176.9	391.2	315.4	346.8	403.8	410.8	379.2	351.2	329.1	324.3
50°	1659.3	1212.1	341.7	296.5	334.5	397.6	405.5	363.9	333.0	306.3	301.6
52.5°	1775.1	1244.5	301.8	281.2	322.6	386.6	398.7	352.9	316.0	285.3	280.2
55°	1856.2	1219.7	269.6	265.2	307.1	370.9	389.3	343.6	291.6	264.9	260.3
57.5°	1871.7	1134.8	245.2	248.8	288.3	351.2	374.7	323.0	278.3	256.0	251.2
60°	1829.3	1016.7	227.0	233.6	268.3	326.4	347.4	308.4	265.6	246.5	242.5
62.5°	1722.7	895.7	213.6	220.0	249.5	301.2	330.4	293.1	252.8	235.7	231.7
65°	1507.4	752.0	200.7	207.9	232.1	279.4	315.0	278.9	240.1	227.0	223.2
67.5°	1137.9	563.3	188.6	195.0	216.6	260.5	298.4	264.9	227.8	219.4	214.9
70°	670.0	352.7	174.8	181.6	200.3	240.8	280.6	249.5	212.4	208.6	202.8
72.5°	311.8	212.2	159.0	165.7	179.9	214.5	257.7	229.5	194.3	185.9	178.0
75°	186.1	155.2	140.5	146.4	156.4	186.5	228.9	209.0	177.0	166.0	157.7
77.5°	139.2	118.7	120.0	126.3	134.4	163.2	202.8	192.9	163.8	155.2	149.6
80°	100.2	90.1	97.9	104.7	113.2	148.4	194.3	178.3	148.1	136.7	131.4
82.5°	66.8	64.8	73.6	80.7	89.0	129.9	182.5	156.2	126.5	112.1	100.3
85°	36.9	39.0	49.6	52.6	59.8	91.4	149.6	125.5	95.2	76.7	73.3
87.5°	15.3	18.0	26.7	25.7	31.8	54.5	98.5	75.7	60.6	45.2	35.2
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)