

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: P321555

Luminaire Tested: **GAN-SA1B-730-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4190 lumens
Efficiency: N/A
Efficacy: 95.2 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

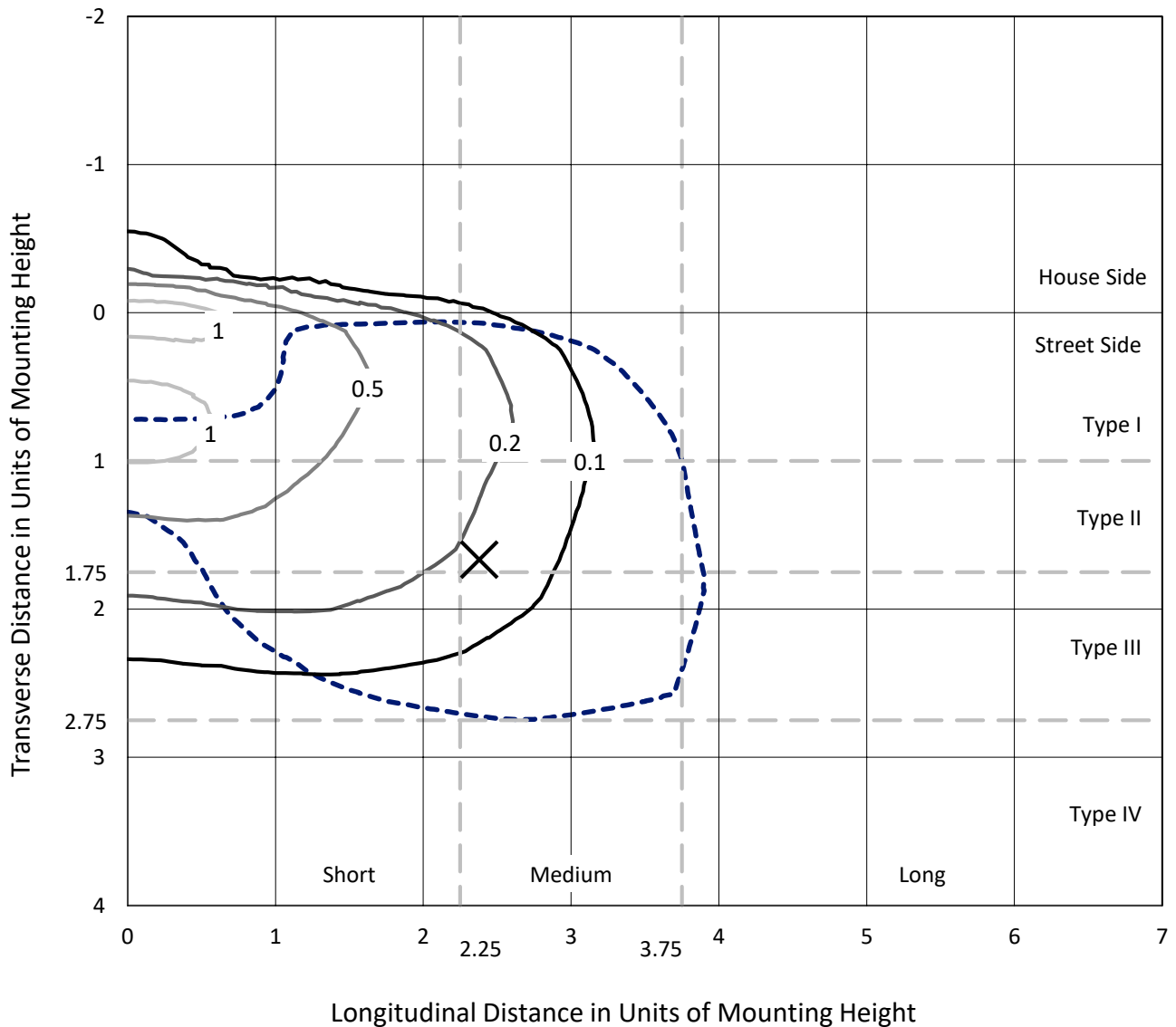
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321555
 CATALOG NUMBER: GAN-SA1B-730-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

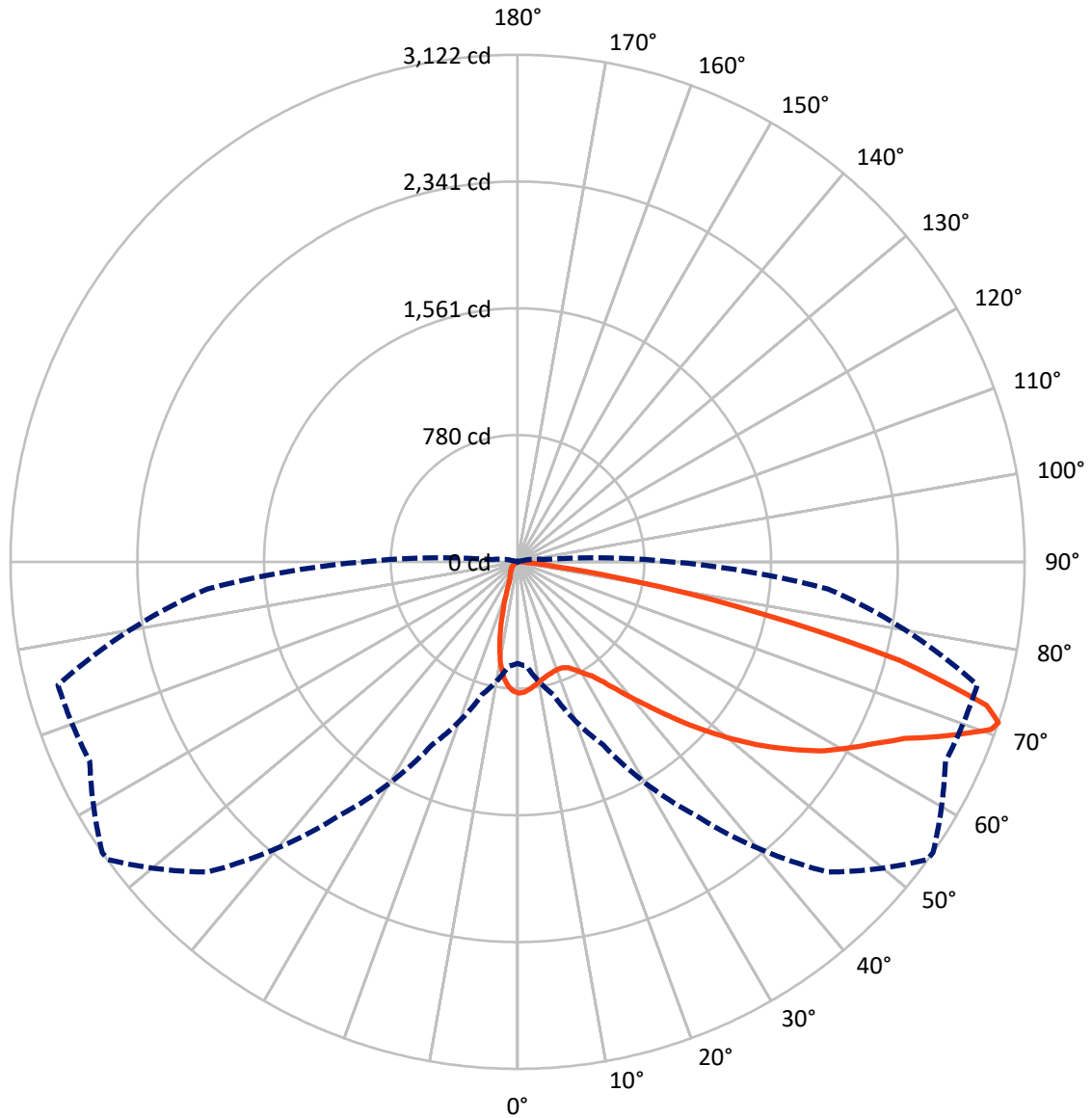
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P321555
CATALOG NUMBER: GAN-SA1B-730-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P321555
 CATALOG NUMBER: GAN-SA1B-730-U-T3R-HSS

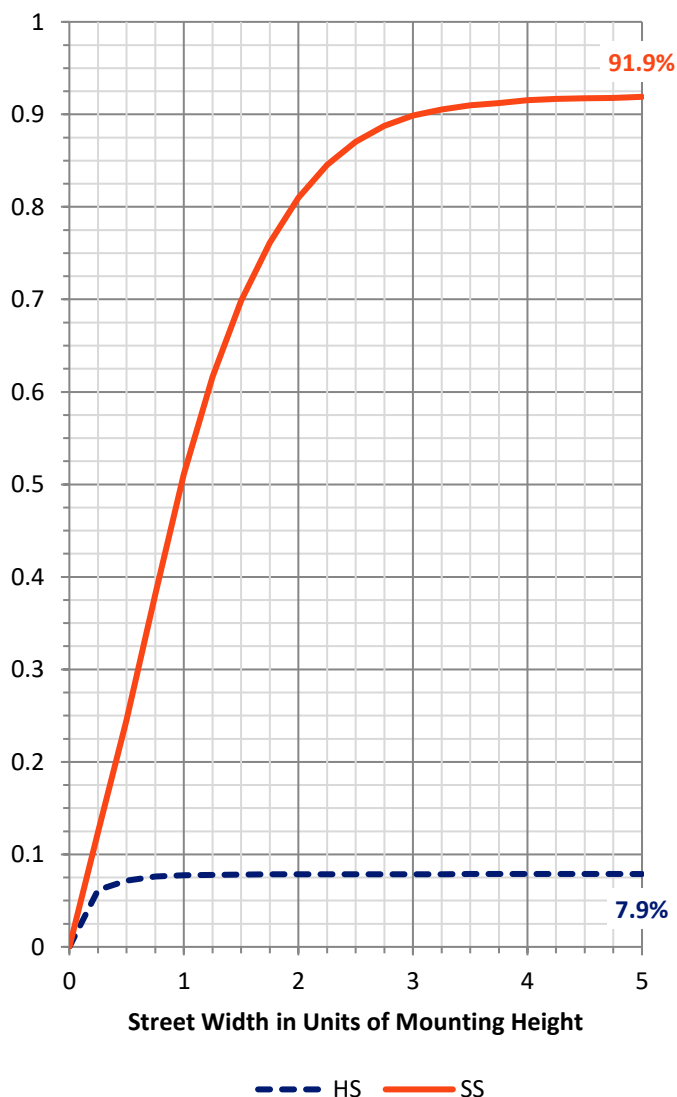
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.7	0.0	331.7
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	3858.3	0.0	3858.3
	% Fixture	92.1	0.0	92.1
Total	Lumens	4190.0	0.0	4190.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.6
10°-20°	155.5	3.7
20°-30°	250.0	6.0
30°-40°	424.7	10.1
40°-50°	659.2	15.7
50°-60°	886.3	21.2
60°-70°	1084.2	25.9
70°-80°	633.9	15.1
80°-90°	27.4	0.7
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°	4190.0	100.0
0°-180°	4190.0	100.0

Coefficient of Utilization

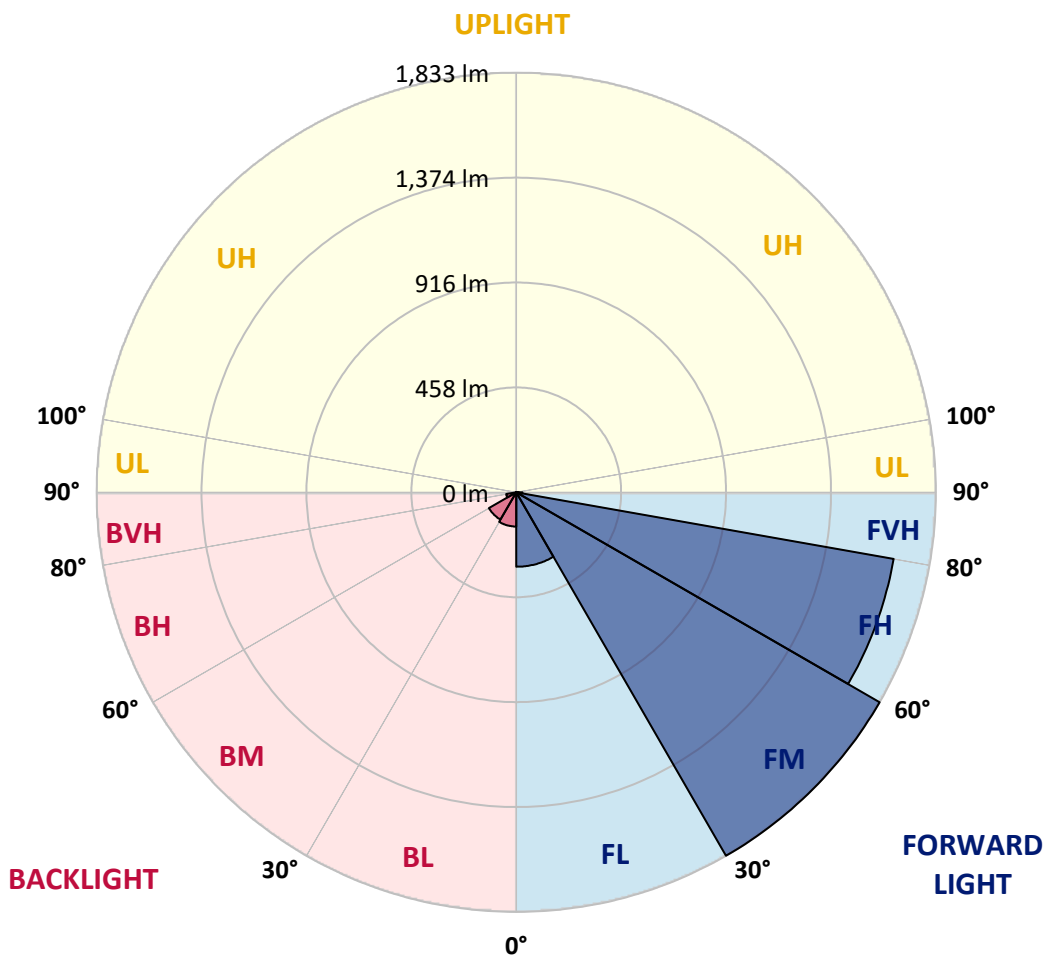


REPORT NUMBER: P321555
 CATALOG NUMBER: GAN-SA1B-730-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.1	7.8			
FM (30°-60°)	1832.6	43.7			
FH (60°-80°)	1673.6	39.9			G1/1800
FVH (80°-90°)	27.0	0.6			G1/100
BL (0°-30°)	149.3	3.6	B1/500		
BM (30°-60°)	137.5	3.3	B0/220		
BH (60°-80°)	44.4	1.1	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
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





REPORT NUMBER: P321555

CATALOG NUMBER: GAN-SA1B-730-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1
2.5°	784.4	785.3	788.7	790.2	793.8	799.8	802.8	803.0	807.9	809.7	811.3
5°	728.9	734.5	740.1	746.2	757.1	771.6	785.9	787.2	803.0	814.6	820.8
7.5°	681.1	686.1	692.9	702.5	717.9	740.7	764.6	767.4	797.3	823.9	837.8
10°	632.0	636.1	645.9	660.0	681.3	711.7	743.9	748.6	792.3	836.3	860.7
12.5°	579.5	581.9	593.8	614.1	645.3	684.1	726.4	732.6	789.1	850.6	887.8
15°	539.6	540.7	552.0	573.1	608.8	659.2	712.9	720.4	789.8	867.7	917.4
17.5°	529.4	530.0	536.0	550.5	582.1	637.0	702.1	711.4	792.1	884.4	947.1
20°	570.6	566.7	560.5	558.2	571.8	623.7	695.7	706.1	795.1	899.3	973.8
22.5°	683.7	672.0	646.3	611.8	590.9	624.6	697.4	707.8	804.7	917.6	1004.7
25°	851.5	835.3	791.5	723.8	658.7	651.7	711.5	722.1	823.3	939.4	1034.2
27.5°	1042.5	1026.5	972.9	876.2	765.2	705.3	743.9	753.7	851.0	958.8	1056.8
30°	1225.3	1220.8	1157.6	1047.7	899.1	792.3	785.7	793.9	871.5	970.4	1074.6
32.5°	1380.4	1373.2	1322.4	1215.6	1052.4	896.7	834.8	837.2	886.9	985.5	1098.0
35°	1524.1	1515.3	1470.7	1369.7	1209.7	1024.2	910.4	906.8	920.6	1015.8	1131.8
37.5°	1649.6	1657.7	1608.2	1512.1	1350.8	1156.9	1012.4	1001.7	973.2	1065.1	1180.9
40°	1754.6	1754.6	1728.8	1648.7	1503.2	1294.0	1127.7	1113.6	1052.4	1141.1	1243.2
42.5°	1792.4	1800.5	1810.1	1764.7	1639.6	1436.6	1256.2	1241.5	1164.0	1248.9	1321.9
45°	1794.7	1807.5	1856.6	1856.4	1762.9	1578.3	1401.1	1394.1	1307.0	1387.3	1419.3
47.5°	1762.9	1778.9	1859.8	1905.7	1860.5	1710.2	1559.5	1550.8	1475.0	1557.0	1521.3
50°	1713.8	1731.4	1825.5	1925.0	1926.9	1824.9	1726.4	1713.4	1659.9	1751.0	1626.6
52.5°	1625.9	1660.1	1794.8	1929.6	1970.6	1924.1	1885.2	1879.5	1866.9	1937.8	1710.6
55°	1437.9	1475.9	1717.9	1931.1	2011.0	2012.0	2034.0	2035.5	2060.9	2112.4	1773.0
57.5°	1349.1	1370.6	1583.6	1938.2	2071.0	2111.7	2185.6	2197.3	2236.6	2278.2	1844.3
60°	1293.3	1318.7	1517.3	1928.4	2165.3	2242.4	2326.1	2330.1	2372.2	2449.2	1940.8
62.5°	1248.7	1273.7	1475.6	1890.8	2271.2	2399.7	2463.5	2463.9	2495.5	2652.9	2050.5
65°	1138.6	1159.7	1391.1	1848.5	2341.2	2555.3	2623.0	2620.6	2646.4	2867.8	2177.9
67.5°	979.5	995.6	1218.6	1688.0	2314.9	2696.8	2863.9	2855.8	2824.5	3053.5	2227.9
70°	757.3	763.1	960.4	1406.7	2068.0	2751.2	3096.6	3092.4	2933.8	3020.2	2044.5
71°	625.9	645.1	846.4	1241.5	1902.6	2700.9	3119.2	3121.6	2906.4	2929.5	1918.3
72.5°	363.5	379.9	613.5	953.5	1615.4	2491.3	3002.1	3019.8	2778.1	2664.6	1638.5
75°	77.9	83.3	227.5	461.5	888.6	1746.1	2369.6	2432.6	2264.3	1812.7	987.5
77.5°	54.2	58.5	97.5	209.4	293.7	862.8	1472.0	1543.1	1352.7	681.3	316.1
80°	42.9	47.8	76.0	103.5	79.4	278.3	689.5	733.0	451.2	152.0	53.2
82.5°	23.9	28.4	59.3	55.9	30.5	52.9	193.0	218.2	90.3	30.7	12.6
85°	7.0	8.5	38.2	40.6	13.0	10.2	32.9	40.8	17.1	8.1	5.6
87.5°	0.0	0.0	18.4	15.6	3.8	1.5	3.0	3.4	3.4	3.4	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P321555
 CATALOG NUMBER: GAN-SA1B-730-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1	808.1
2.5°	811.3	812.6	807.9	801.7	795.1	787.0	778.5	771.9	771.7	768.5	765.3
5°	821.2	820.5	807.5	787.7	764.4	740.1	717.0	690.8	682.2	671.5	667.9
7.5°	839.7	834.4	806.9	763.7	712.5	661.7	609.2	556.3	533.8	513.4	509.9
10°	862.8	852.8	803.4	727.5	633.7	540.0	460.8	388.9	357.3	333.0	331.9
12.5°	886.9	871.6	793.4	673.0	530.4	398.7	307.4	236.7	210.3	193.4	194.9
15°	912.1	889.3	771.9	599.4	412.8	270.5	188.9	147.3	136.8	132.4	133.6
17.5°	937.9	901.6	742.0	510.8	296.7	174.6	130.8	119.1	119.1	120.0	120.4
20°	960.3	908.1	698.0	411.5	201.1	127.2	114.4	112.7	113.6	115.1	115.3
22.5°	982.5	908.5	640.6	310.8	140.7	111.4	108.9	108.2	108.7	110.4	110.6
25°	1000.5	904.0	568.7	221.1	112.3	105.0	103.9	103.5	103.9	105.9	105.9
27.5°	1007.9	887.6	481.1	155.4	100.7	97.8	97.5	97.8	98.4	99.9	100.1
30°	1008.6	859.0	385.5	112.5	91.2	88.2	89.0	90.3	89.7	89.4	89.7
32.5°	1010.5	825.9	292.4	92.6	83.3	78.6	77.7	77.7	75.4	74.1	73.4
35°	1016.7	787.0	212.0	83.2	75.3	69.8	66.2	62.1	57.8	55.5	54.9
37.5°	1026.5	746.2	151.8	76.9	68.1	61.9	55.1	47.8	41.6	39.9	39.9
40°	1044.4	704.0	112.3	72.1	62.5	54.7	44.6	35.0	29.3	28.4	28.4
42.5°	1072.6	659.6	89.6	67.7	57.6	47.4	34.1	25.4	21.3	20.7	20.5
45°	1101.9	610.7	78.3	63.6	52.3	38.9	25.2	18.8	16.4	15.8	15.8
47.5°	1131.3	558.6	72.8	59.6	47.2	30.3	18.8	14.9	13.7	13.7	13.9
50°	1156.1	504.2	68.9	55.3	40.6	23.0	14.9	12.6	12.2	13.0	13.2
52.5°	1162.3	450.8	64.0	49.9	32.5	17.5	12.2	11.1	11.1	11.1	11.1
55°	1158.6	409.4	57.6	43.1	24.1	13.9	10.5	9.8	9.6	9.6	9.6
57.5°	1171.4	384.9	46.1	33.5	17.3	11.3	9.2	8.7	8.3	8.1	8.1
60°	1197.1	368.9	32.9	24.1	13.0	9.4	7.9	7.3	6.8	6.4	6.4
62.5°	1231.4	355.0	24.5	17.9	10.0	7.5	6.6	6.0	5.3	4.9	4.9
65°	1257.7	330.2	18.6	13.4	7.5	6.0	5.1	4.9	3.8	3.4	3.2
67.5°	1217.4	275.6	15.1	9.8	5.6	4.7	4.0	3.8	2.3	1.9	1.9
70°	1044.2	191.9	12.0	7.1	4.1	3.8	3.2	2.4	1.7	1.5	1.5
71°	946.9	160.3	10.9	6.0	3.6	3.6	3.0	2.1	1.5	1.3	1.3
72.5°	786.6	113.8	9.2	4.7	3.2	3.8	3.2	1.9	1.5	1.3	1.1
75°	456.6	47.6	6.4	3.2	2.4	4.5	4.1	1.7	1.1	0.9	0.9
77.5°	137.3	17.5	3.6	2.1	1.9	4.0	4.7	1.5	0.6	0.2	0.2
80°	25.0	7.5	2.3	1.3	1.3	2.4	3.6	0.8	0.0	0.0	0.0
82.5°	8.8	3.8	1.3	0.8	0.6	1.1	1.7	0.0	0.0	0.0	0.0
85°	5.1	2.6	0.8	0.4	0.0	0.2	0.4	0.0	0.0	0.0	0.0
87.5°	3.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)