

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: P322505

Luminaire Tested: **GAN-SA1A-730-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3156 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

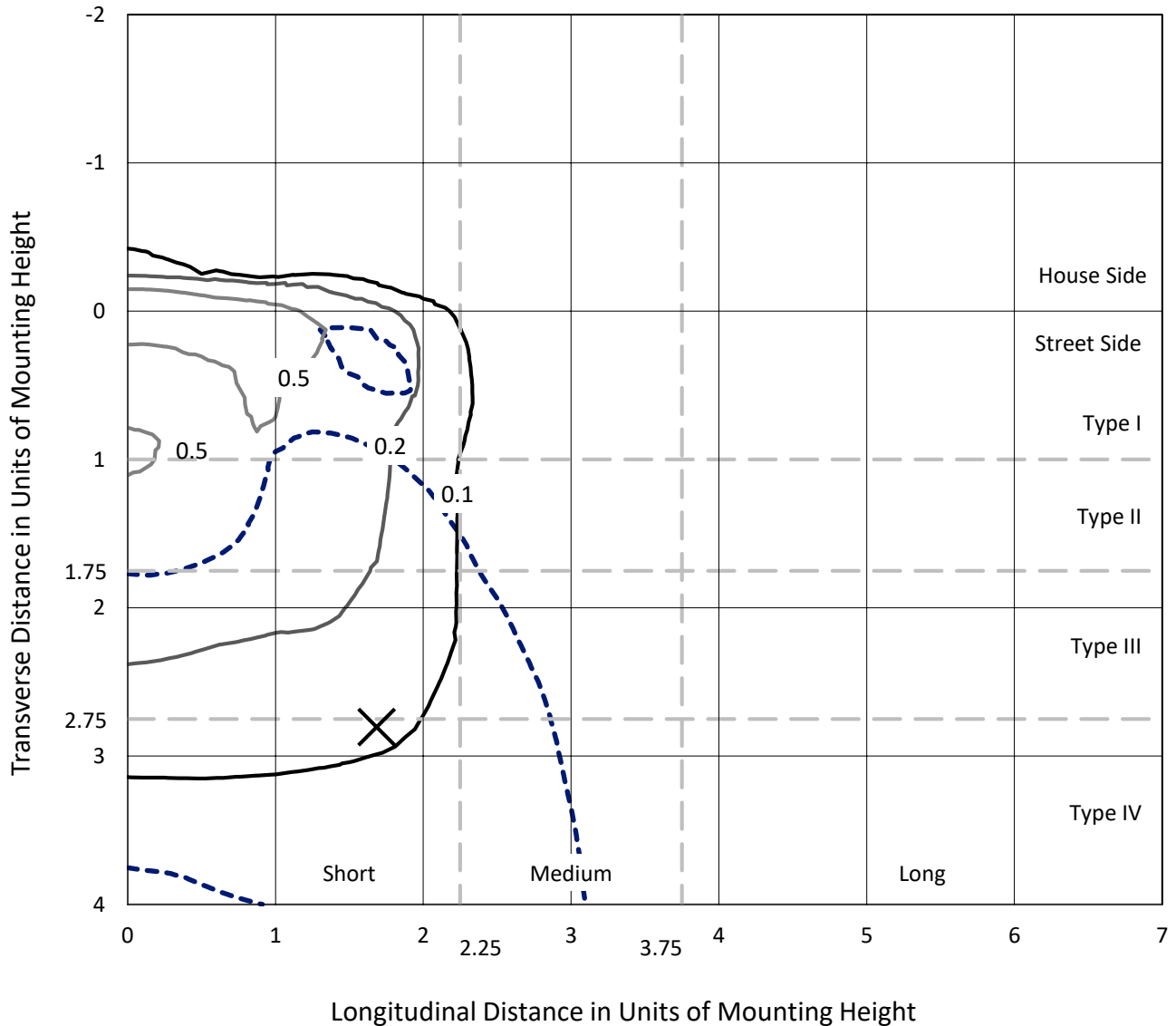
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

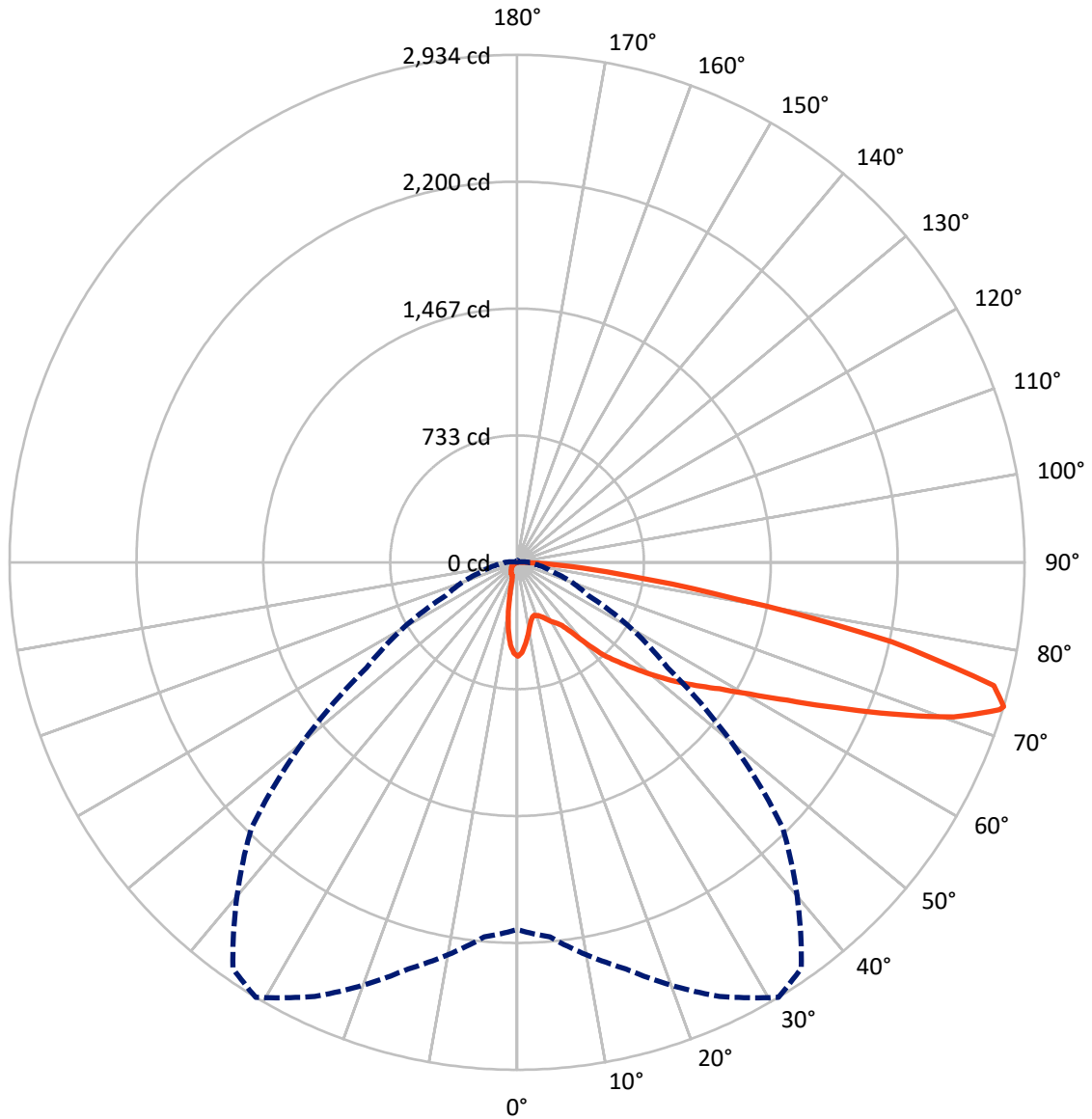
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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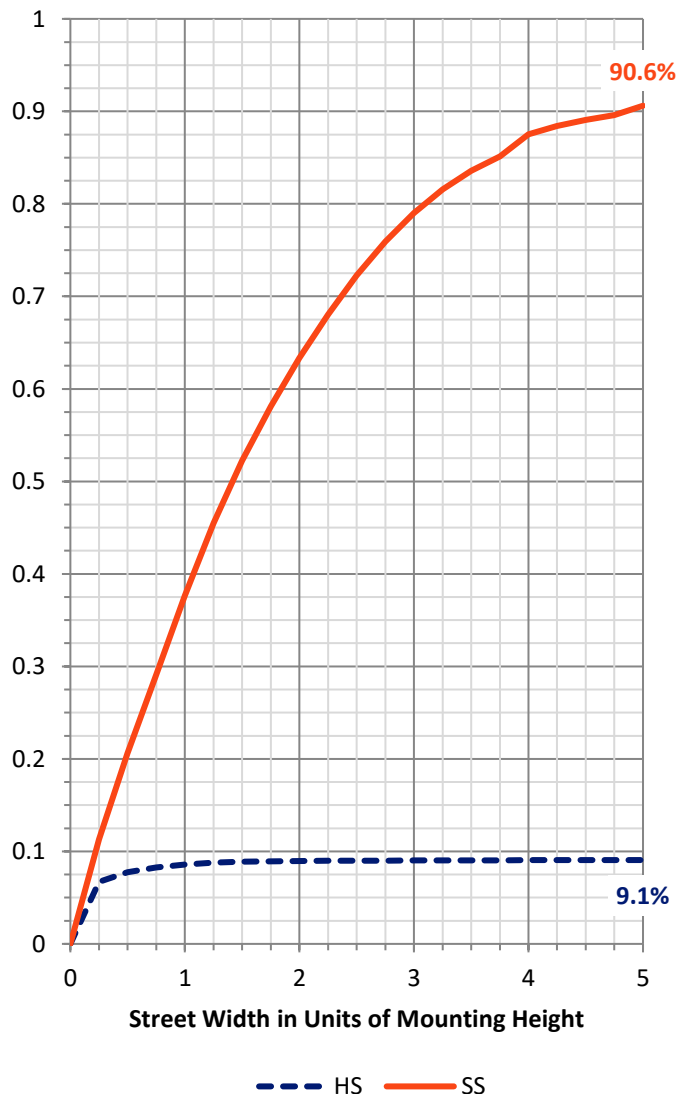
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.7	0.0	287.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	2868.3	0.0	2868.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	3156.0	0.0	3156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	1.4
10°-20°	97.8	3.1
20°-30°	146.5	4.6
30°-40°	233.0	7.4
40°-50°	416.1	13.2
50°-60°	645.7	20.5
60°-70°	858.4	27.2
70°-80°	645.7	20.5
80°-90°	67.8	2.1
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°	3156.0	100.0
0°-180°	3156.0	100.0

Coefficient of Utilization



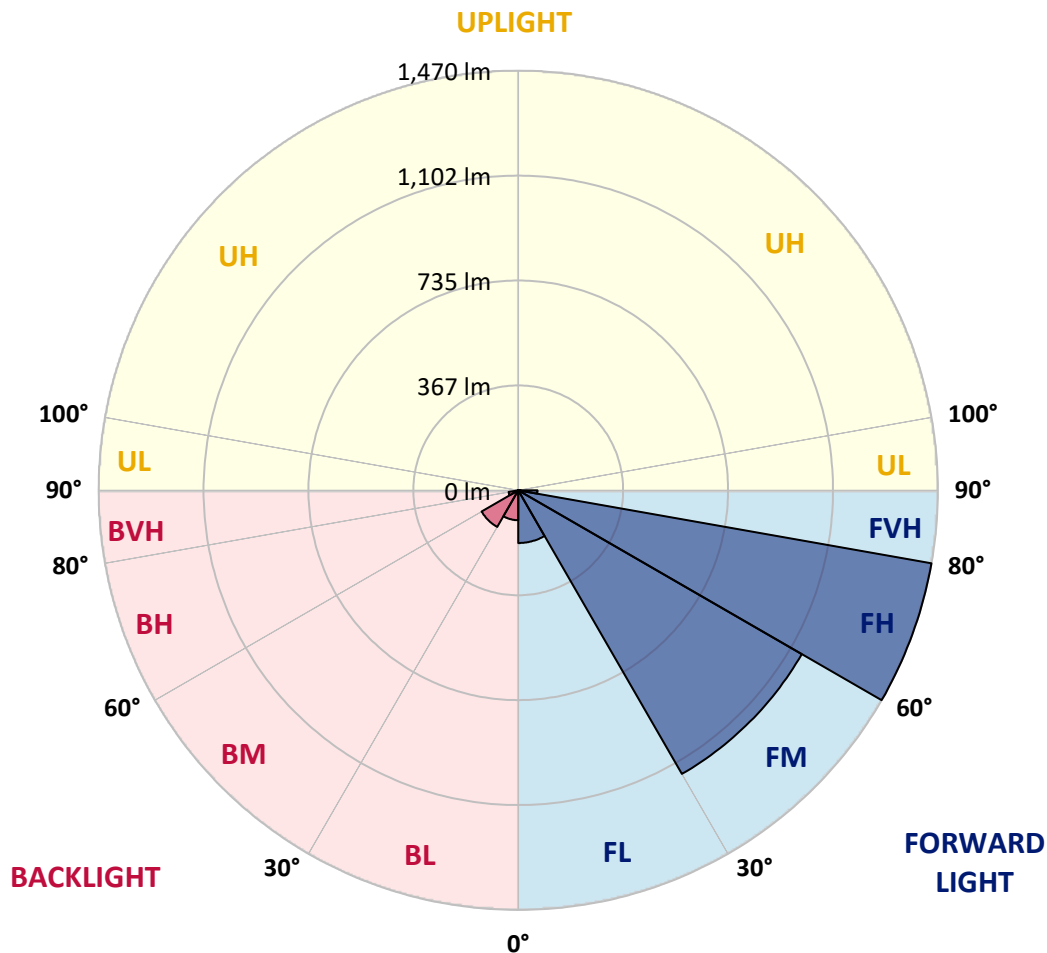
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.6	5.9			
FM (30°-60°)	1146.8	36.3			
FH (60°-80°)	1469.6	46.6			G1/1800
FVH (80°-90°)	67.3	2.1			G1/100
BL (0°-30°)	104.6	3.3	B0/110		
BM (30°-60°)	148.1	4.7	B0/220		
BH (60°-80°)	34.4	1.1	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	514.6	516.7	519.1	519.5	523.4	523.5	529.1	533.3	537.4	541.5	542.8
5°	461.8	465.3	469.5	473.7	481.8	485.1	498.7	512.6	525.9	538.5	544.7
7.5°	405.4	409.4	415.3	425.6	434.7	441.1	462.5	487.2	512.0	535.3	548.7
10°	354.0	357.7	363.9	374.8	388.9	397.5	426.4	460.7	497.0	532.3	554.7
12.5°	321.2	323.2	326.6	338.4	351.0	360.8	394.7	437.2	484.6	532.2	564.5
15°	315.2	315.8	313.0	318.3	328.2	337.6	372.0	418.2	475.2	534.7	577.1
17.5°	324.8	324.5	315.2	314.6	322.5	330.2	360.9	405.1	468.6	540.4	593.5
20°	339.3	338.2	322.2	319.2	327.6	334.8	360.1	400.1	466.1	549.9	613.4
22.5°	358.6	356.7	331.6	328.5	337.4	345.0	369.7	404.9	468.2	562.8	636.6
25°	382.5	379.8	347.8	344.4	353.5	361.1	386.9	418.7	474.7	578.4	665.9
27.5°	409.6	405.5	373.7	364.9	375.3	383.2	409.7	439.7	484.9	594.9	701.9
30°	435.0	429.8	401.1	386.6	399.2	408.0	434.4	464.7	501.3	620.4	751.2
32.5°	460.7	454.8	425.5	408.2	419.6	429.2	459.9	499.1	532.0	659.3	816.7
35°	519.7	513.5	477.5	448.9	448.8	454.2	495.6	546.2	572.6	713.5	894.8
37.5°	619.0	615.4	581.1	526.9	512.4	506.4	544.2	602.5	631.0	788.1	983.0
40°	727.7	724.6	686.2	637.0	615.0	600.1	614.0	680.8	713.5	879.2	1073.0
42.5°	850.5	835.8	767.2	752.6	732.8	721.5	709.0	777.3	814.8	978.4	1162.3
45°	962.0	937.3	848.3	826.1	821.6	824.4	831.3	907.0	928.8	1096.2	1251.2
47.5°	1028.4	1008.9	940.7	919.4	918.1	936.5	989.0	1053.6	1042.3	1198.9	1329.5
50°	1091.6	1073.9	1017.3	1022.5	1028.2	1053.3	1168.0	1204.3	1145.9	1292.0	1401.4
52.5°	1142.7	1115.8	1086.1	1115.6	1143.8	1184.1	1352.7	1339.6	1219.4	1366.1	1462.8
55°	1172.2	1160.0	1174.3	1204.0	1256.8	1322.3	1527.1	1452.2	1273.2	1433.8	1503.7
57.5°	1280.3	1256.3	1284.9	1310.5	1379.4	1471.0	1676.4	1536.0	1311.9	1475.6	1513.2
60°	1411.1	1391.8	1408.6	1451.2	1544.2	1651.8	1816.0	1604.4	1332.2	1502.5	1488.8
62.5°	1619.3	1593.8	1583.3	1631.0	1754.2	1871.8	1922.0	1651.8	1327.7	1490.6	1405.1
65°	1898.2	1871.8	1824.8	1868.1	2024.8	2107.7	2040.4	1661.9	1296.8	1394.4	1193.5
67.5°	2183.9	2164.7	2124.6	2197.5	2338.9	2365.6	2165.7	1637.5	1197.3	1130.6	843.2
70°	2372.6	2364.4	2390.5	2551.7	2677.9	2670.2	2280.6	1506.4	933.3	695.3	417.1
72.5°	2236.5	2275.8	2468.5	2760.8	2915.0	2852.0	2221.6	1156.7	533.4	267.5	120.6
73°	2123.8	2174.0	2433.4	2768.7	2933.7	2864.6	2172.0	1061.7	454.7	211.1	91.4
75°	1477.5	1539.1	2014.6	2578.6	2846.3	2729.3	1810.5	649.9	210.7	93.6	36.9
77.5°	717.4	762.9	1109.3	1863.1	2213.5	2132.4	1127.1	242.2	95.1	58.5	17.0
80°	267.8	297.8	481.5	948.2	1279.2	1312.7	495.7	91.6	63.3	47.1	8.6
82.5°	70.1	78.1	177.6	422.8	655.6	686.2	156.3	46.2	46.3	38.8	5.3
85°	22.4	25.6	55.4	189.8	308.9	271.2	40.8	22.4	33.7	28.9	2.9
87.5°	2.8	3.6	17.6	44.6	68.1	37.8	6.3	6.6	14.4	16.1	1.7
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°	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0	543.0
2.5°	544.2	543.5	543.6	539.6	537.0	531.7	526.3	523.8	521.2	520.1	521.2
5°	547.0	545.6	541.6	529.3	516.1	499.1	483.2	471.2	456.0	451.9	456.2
7.5°	551.3	548.6	536.8	511.6	482.5	450.0	413.6	387.0	365.2	351.2	356.3
10°	557.7	552.4	528.8	486.0	433.8	376.4	324.6	284.3	255.7	244.0	243.5
12.5°	568.3	558.4	518.9	452.7	374.4	297.8	230.0	186.2	163.1	148.1	147.8
15°	580.1	565.5	506.4	412.7	305.2	213.3	148.1	114.9	99.9	95.1	94.5
17.5°	594.4	573.7	490.2	363.4	232.7	141.3	96.7	87.1	86.5	86.0	86.0
20°	612.5	583.5	469.3	307.0	165.1	94.4	82.2	82.8	83.1	82.5	82.6
22.5°	633.5	593.3	444.5	246.5	111.7	78.9	78.6	79.4	79.7	79.4	79.5
25°	657.9	604.8	414.2	183.0	80.6	74.9	75.7	76.8	77.5	77.5	77.5
27.5°	688.2	618.7	377.7	127.7	69.7	70.7	72.9	74.9	76.0	76.3	76.3
30°	727.5	636.0	334.0	87.6	63.3	65.2	69.2	73.0	75.1	75.4	75.5
32.5°	777.3	655.4	283.4	64.7	57.9	59.3	63.6	70.1	74.0	74.6	74.6
35°	834.3	678.0	228.9	56.4	54.1	54.5	57.9	65.3	72.1	73.8	74.0
37.5°	896.7	700.2	174.0	52.7	50.8	50.8	53.3	59.6	67.6	72.9	73.5
40°	954.9	713.6	122.0	49.7	47.9	47.9	50.0	54.7	62.2	70.1	71.8
42.5°	1008.6	718.3	84.9	46.9	45.1	45.6	47.4	51.1	56.8	64.7	66.3
45°	1063.9	717.5	61.9	43.7	42.3	43.7	45.1	47.9	52.0	56.5	56.8
47.5°	1105.6	711.0	49.1	40.6	39.7	41.5	42.8	44.6	46.9	46.6	46.6
50°	1144.7	695.3	39.5	36.4	37.1	39.2	39.8	40.5	40.6	37.7	37.4
52.5°	1174.3	670.7	31.7	32.0	34.4	36.6	36.0	35.1	33.5	30.0	29.3
55°	1184.2	623.5	24.9	26.4	30.6	33.4	31.0	29.0	26.1	23.2	22.5
57.5°	1166.3	562.5	20.2	20.5	25.8	28.1	25.5	23.2	19.9	17.5	17.0
60°	1128.3	494.7	16.7	15.4	19.9	21.9	20.2	17.9	15.0	13.1	13.0
62.5°	1052.9	422.4	13.7	12.0	15.1	16.8	15.8	14.1	11.6	10.3	10.2
65°	894.5	337.9	11.1	9.7	11.7	13.1	12.2	11.0	9.1	8.2	8.0
67.5°	624.4	228.4	9.1	8.0	9.3	10.3	9.6	9.0	7.3	7.1	7.3
70°	301.1	110.1	7.6	6.5	7.3	8.0	7.7	7.3	6.9	8.0	9.3
72.5°	86.3	36.9	6.0	5.4	5.9	6.3	6.6	6.5	7.6	9.7	11.3
73°	66.4	29.8	5.7	5.1	5.6	6.2	6.5	6.3	7.7	9.9	11.3
75°	28.4	14.4	4.3	4.2	4.6	5.4	5.7	5.7	7.7	10.0	10.8
77.5°	12.8	7.7	2.8	3.2	4.0	4.3	4.8	4.8	6.2	7.7	7.7
80°	7.3	4.2	2.2	2.5	2.9	2.9	2.9	2.6	2.8	3.1	3.4
82.5°	4.6	2.8	1.7	2.0	1.9	1.5	1.2	1.2	1.1	1.2	1.5
85°	2.6	1.5	1.5	1.2	0.8	0.6	0.8	0.6	0.2	0.0	0.2
87.5°	1.5	0.9	0.5	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)