

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: P321925

Luminaire Tested: **GAN-SA1C-740-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-740-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5269 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G2

Input Watts (W): 59
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

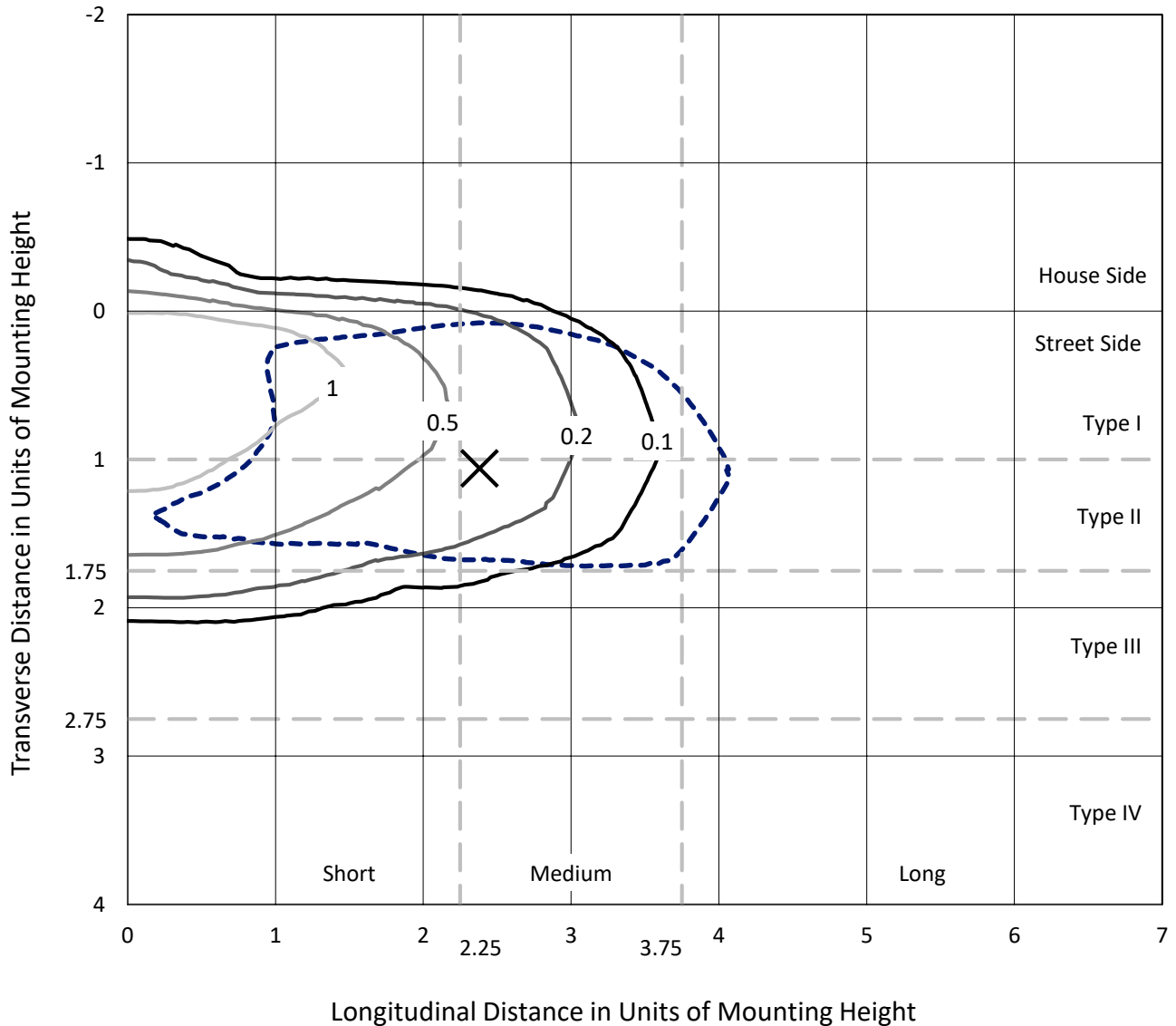




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Iso-Footcandle Lines of Horizontal Illumination

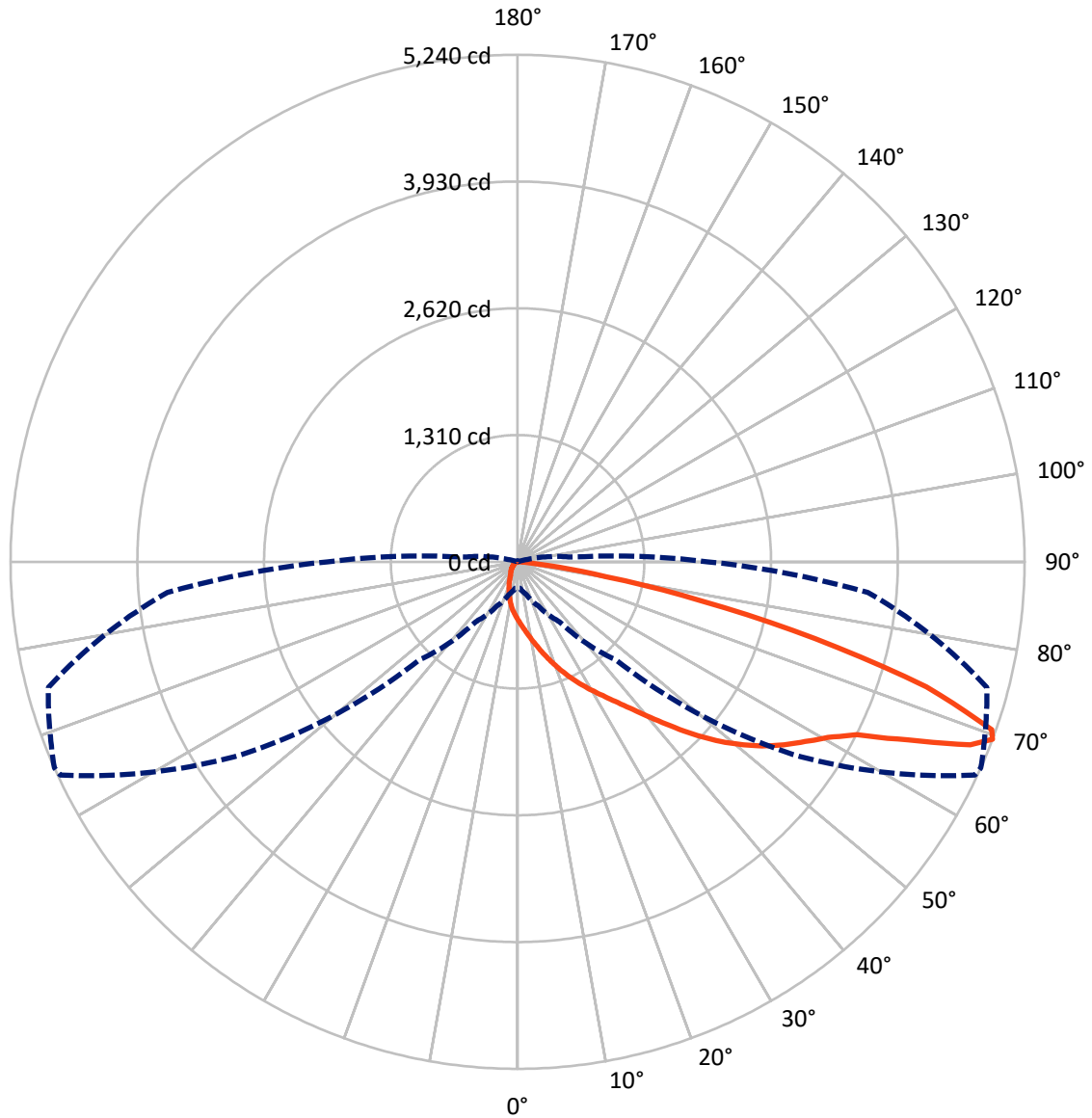
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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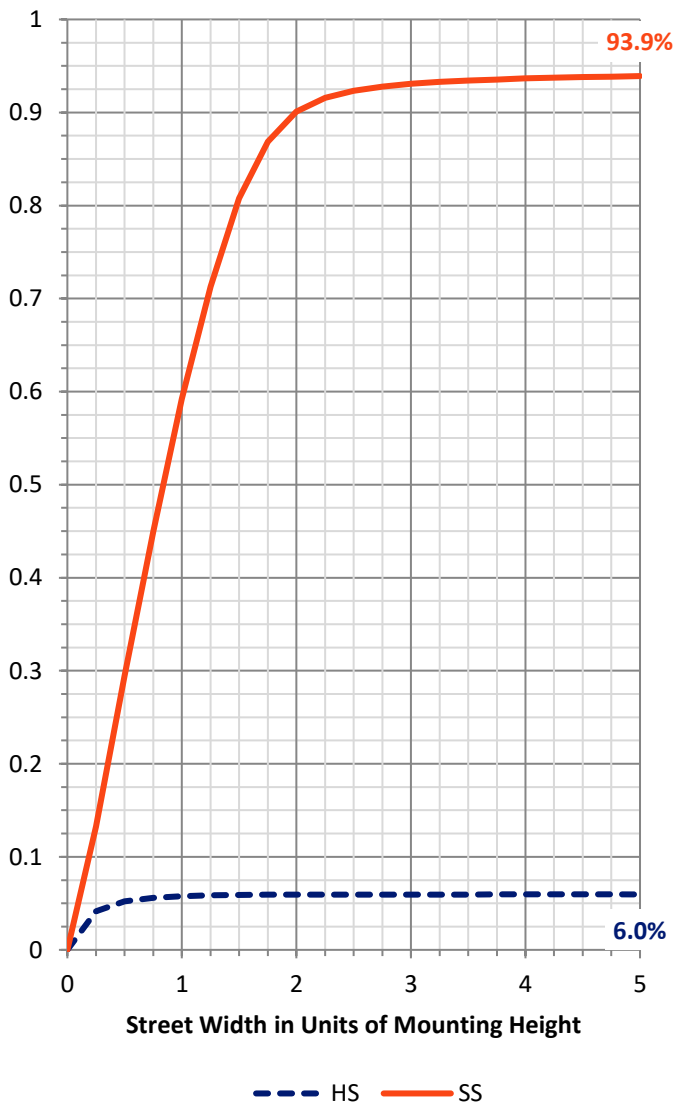
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	316.1	0.0	316.1
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	4952.9	0.0	4952.9
	% Fixture	94.0	0.0	94.0
Total	Lumens	5269.0	0.0	5269.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.1
10°-20°	172.5	3.3
20°-30°	300.4	5.7
30°-40°	527.0	10.0
40°-50°	882.2	16.7
50°-60°	1296.7	24.6
60°-70°	1331.4	25.3
70°-80°	657.3	12.5
80°-90°	43.5	0.8
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°	5269.0	100.0
0°-180°	5269.0	100.0

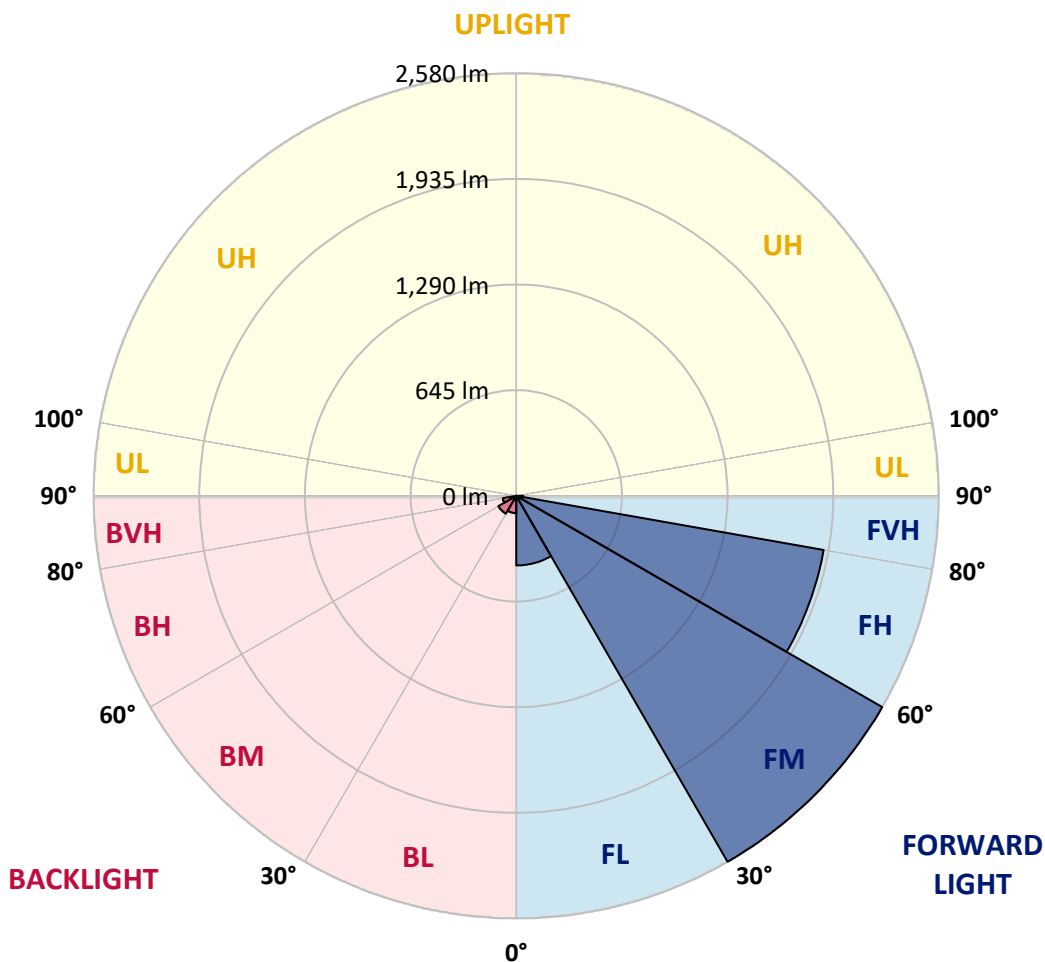


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.2	8.1			
FM (30°-60°)	2580.0	49.0			
FH (60°-80°)	1905.4	36.2			G2/5000
FVH (80°-90°)	42.4	0.8			G1/100
BL (0°-30°)	105.7	2.0	B0/110		
BM (30°-60°)	126.0	2.4	B0/220		
BH (60°-80°)	83.3	1.6	B0/110		G0/110
BVH (80°-90°)	1.1	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-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6
2.5°	705.7	702.7	701.5	696.0	686.5	679.2	665.2	648.9	645.9	630.2	610.9
5°	797.3	794.8	793.1	785.3	775.6	757.3	731.8	701.5	695.7	665.7	627.2
7.5°	861.2	865.7	865.7	860.7	848.4	834.6	803.3	762.0	754.8	708.7	648.9
10°	898.4	903.9	908.2	912.5	910.7	905.2	875.7	829.1	820.4	759.3	674.2
12.5°	901.9	907.5	919.5	937.2	954.5	967.0	948.5	903.4	893.4	817.9	704.2
15°	882.4	888.2	906.7	941.2	983.0	1019.6	1025.6	985.8	975.5	887.7	741.8
17.5°	848.4	852.1	878.7	926.5	992.0	1059.1	1095.4	1074.1	1064.6	967.5	783.6
20°	823.1	825.9	849.1	900.4	986.5	1083.9	1161.5	1168.0	1158.0	1053.1	828.9
22.5°	866.4	871.4	872.2	896.4	971.5	1096.2	1219.5	1260.3	1252.8	1144.0	873.4
25°	984.8	990.5	971.5	956.5	984.3	1101.7	1269.3	1354.9	1348.9	1241.8	918.2
27.5°	1141.2	1147.2	1122.7	1077.9	1051.1	1122.4	1313.6	1451.0	1450.8	1345.4	966.5
30°	1294.9	1300.9	1275.8	1231.0	1169.5	1181.2	1351.9	1551.6	1553.1	1452.3	1017.8
32.5°	1456.0	1463.5	1437.8	1380.2	1315.9	1282.8	1405.7	1652.7	1661.2	1576.2	1075.6
35°	1639.2	1640.2	1603.9	1543.6	1469.5	1418.7	1492.1	1766.1	1786.4	1729.6	1149.0
37.5°	1818.9	1826.2	1796.4	1701.3	1633.2	1575.7	1620.5	1907.8	1936.5	1917.0	1244.8
40°	1952.0	1967.3	1963.1	1860.5	1795.9	1754.8	1779.9	2076.2	2112.7	2135.2	1365.7
42.5°	2035.6	2047.1	2066.7	2004.9	1946.3	1953.0	1968.1	2272.4	2317.4	2384.0	1504.6
45°	2131.5	2137.0	2153.3	2126.0	2086.4	2154.5	2167.8	2493.4	2540.7	2651.5	1658.7
47.5°	2248.6	2261.6	2266.1	2241.1	2223.1	2332.7	2360.2	2694.3	2760.6	2938.1	1821.9
50°	2397.8	2401.3	2409.0	2392.8	2374.7	2485.9	2532.9	2905.3	2965.6	3225.6	1982.8
52.5°	2543.7	2556.2	2583.2	2572.9	2565.7	2616.2	2686.8	3095.5	3162.8	3465.4	2143.5
55°	2585.7	2596.5	2689.8	2753.6	2812.7	2776.9	2834.0	3265.9	3338.8	3679.6	2298.2
57.5°	2417.8	2439.6	2601.2	2767.4	3012.4	3026.7	3036.2	3440.9	3506.2	3843.8	2459.1
60°	1993.3	1997.6	2262.9	2547.9	2979.4	3244.7	3331.5	3628.8	3683.6	3996.7	2651.8
62.5°	1267.8	1311.1	1602.2	2004.6	2630.0	3213.1	3688.6	3913.1	3933.1	4180.1	2928.1
65°	603.9	631.9	841.6	1238.5	1905.0	2809.4	3935.1	4427.4	4436.4	4543.8	3297.2
67.5°	334.4	347.9	447.7	666.7	1113.7	1986.8	3835.5	5036.5	5045.0	4915.2	3621.0
69°	261.5	273.0	351.6	502.5	755.0	1428.0	3470.9	5215.0	5240.2	5021.5	3632.6
70°	222.0	233.2	302.8	424.4	607.1	1103.4	3089.5	5170.7	5197.5	5011.5	3546.7
72.5°	135.9	142.4	201.7	298.8	406.9	555.1	1905.2	4372.8	4418.1	4597.1	3048.2
75°	91.6	95.1	126.1	206.2	291.1	285.8	989.8	3082.2	3180.3	3576.0	2251.4
77.5°	65.6	68.8	84.6	133.4	204.0	188.7	448.2	1915.5	1936.5	2144.8	1227.8
80°	37.3	40.3	59.8	79.3	138.4	125.9	178.2	915.0	925.5	919.7	409.9
82.5°	19.5	22.0	32.8	52.3	88.8	82.3	74.1	306.3	307.8	256.0	89.8
85°	3.8	4.5	16.3	35.8	45.8	35.8	30.3	71.8	73.3	64.8	22.3
87.5°	0.0	0.3	6.5	8.0	9.0	9.3	9.8	14.0	15.0	20.3	6.0
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°	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6	599.6
2.5°	602.4	593.4	576.1	556.1	540.6	525.3	513.3	500.8	496.3	494.0	493.8
5°	608.4	589.4	552.8	515.3	484.5	455.5	434.7	414.9	405.7	401.4	399.7
7.5°	618.4	587.9	529.1	471.7	427.4	391.2	362.4	340.9	330.1	325.6	323.8
10°	630.2	585.9	501.3	425.7	369.1	331.6	303.1	281.8	270.0	265.0	262.5
12.5°	643.9	582.4	469.2	379.1	319.3	281.8	247.3	221.0	207.5	201.7	199.0
15°	660.9	578.9	435.7	335.4	275.5	229.7	192.0	174.2	171.4	170.4	170.7
17.5°	677.7	573.4	399.2	292.1	229.5	179.4	160.2	159.2	159.7	159.7	159.7
20°	692.7	560.8	359.4	255.0	185.7	151.4	147.4	145.7	144.4	143.4	142.1
22.5°	704.5	544.1	321.1	218.2	151.7	138.6	132.4	126.9	122.4	119.4	117.9
25°	712.5	521.8	286.1	182.9	136.4	126.1	114.9	105.6	98.6	94.3	92.6
27.5°	718.5	497.8	254.8	153.2	125.9	111.6	96.9	85.8	78.6	74.8	73.3
30°	722.8	470.5	227.2	134.6	114.1	96.4	80.6	69.8	64.6	62.6	61.6
32.5°	726.8	440.2	201.2	125.9	103.1	82.3	67.6	59.3	56.1	53.6	52.8
35°	736.8	412.2	176.4	116.6	91.8	70.3	58.1	52.1	48.8	47.3	46.8
37.5°	760.5	391.4	152.7	107.1	80.6	60.8	50.8	46.5	43.5	42.0	41.5
40°	798.8	380.9	132.6	96.9	69.6	53.6	46.0	42.0	38.8	36.5	36.0
42.5°	855.1	382.4	118.6	86.6	60.8	47.8	41.5	36.8	33.3	31.3	30.8
45°	923.5	393.4	108.9	76.6	53.6	43.3	36.5	31.5	28.3	26.5	26.0
47.5°	997.5	411.2	100.9	67.6	47.8	39.0	31.5	26.3	23.5	22.0	21.8
50°	1075.6	428.4	92.6	58.8	42.8	34.8	26.5	21.8	19.5	18.3	17.8
52.5°	1154.7	448.5	85.1	50.8	38.5	29.8	22.0	17.8	16.0	15.0	14.5
55°	1239.8	463.5	77.8	44.5	34.3	25.3	18.3	14.8	13.3	12.0	11.8
57.5°	1339.9	486.8	70.3	38.5	29.3	21.0	15.0	11.8	10.5	9.3	9.0
60°	1475.0	514.0	62.3	34.0	24.0	17.3	12.3	9.5	8.0	7.0	6.8
62.5°	1653.2	544.3	52.3	29.8	19.5	14.0	9.8	7.5	5.8	4.5	4.5
65°	1879.2	593.6	42.8	25.0	16.0	11.5	7.5	5.5	3.3	2.0	2.0
67.5°	2011.1	602.1	34.5	20.5	13.0	9.8	6.3	3.8	1.0	0.3	0.0
69°	1968.8	552.8	29.3	17.5	11.3	9.3	5.8	2.8	0.5	0.0	0.0
70°	1889.2	505.5	25.8	15.5	10.3	8.8	5.5	2.0	0.5	0.0	0.0
72.5°	1561.1	359.9	19.5	11.5	7.5	7.8	5.0	1.3	0.5	0.0	0.0
75°	1137.2	218.7	14.0	8.0	4.8	5.8	3.5	0.5	0.3	0.0	0.0
77.5°	632.7	103.1	8.8	4.5	3.0	3.5	1.8	0.0	0.0	0.0	0.0
80°	205.5	28.0	4.0	2.5	1.8	2.0	0.8	0.0	0.0	0.0	0.0
82.5°	38.0	8.0	2.3	1.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0
85°	8.3	3.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.0	0.3	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)