

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385946

Luminaire Tested: GAW-SA1C-735-U-T2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385946
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
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-735-U-T2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 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: 5048.3 lumens
Efficiency: N/A
Efficacy: 85.6 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

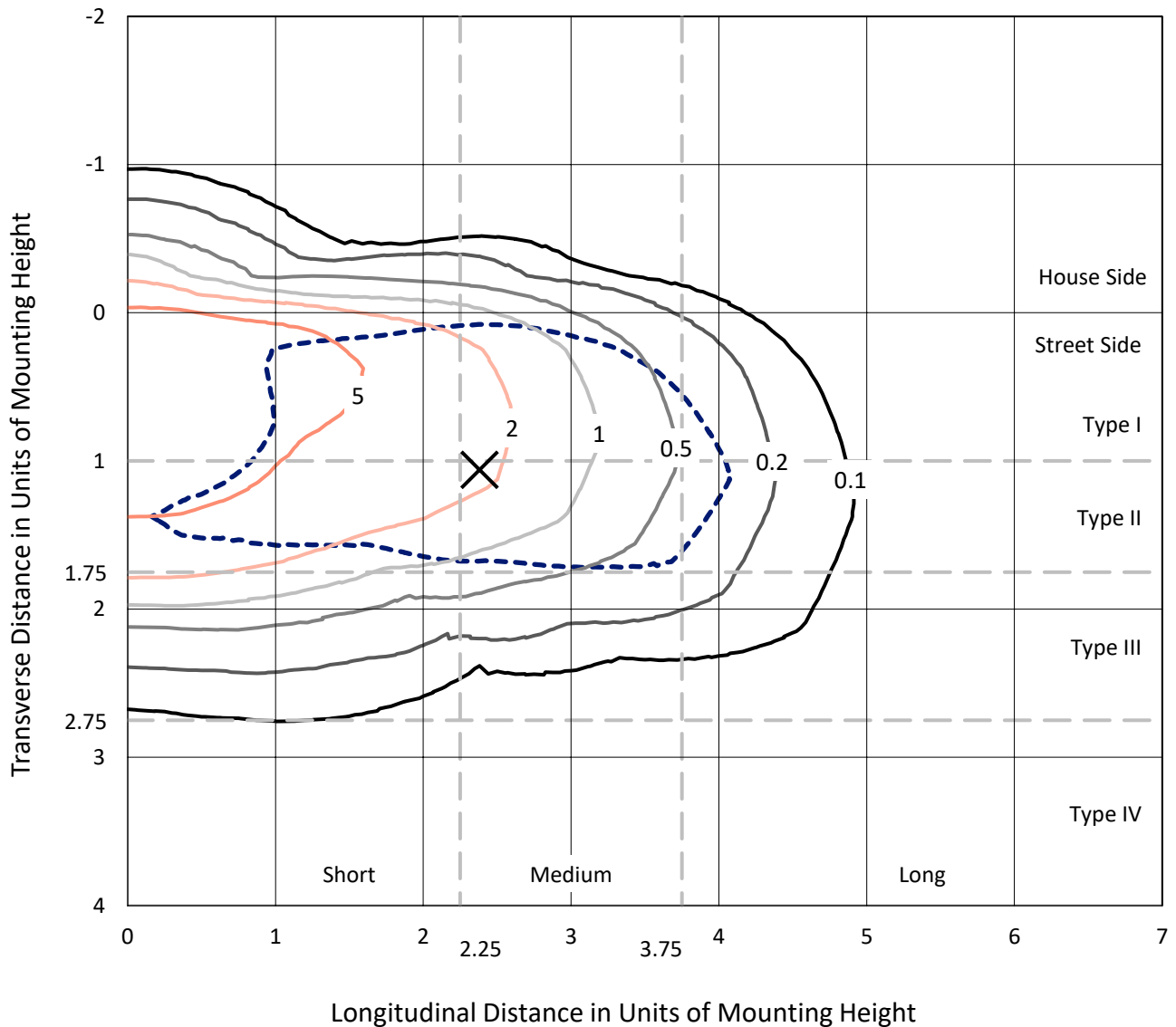
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

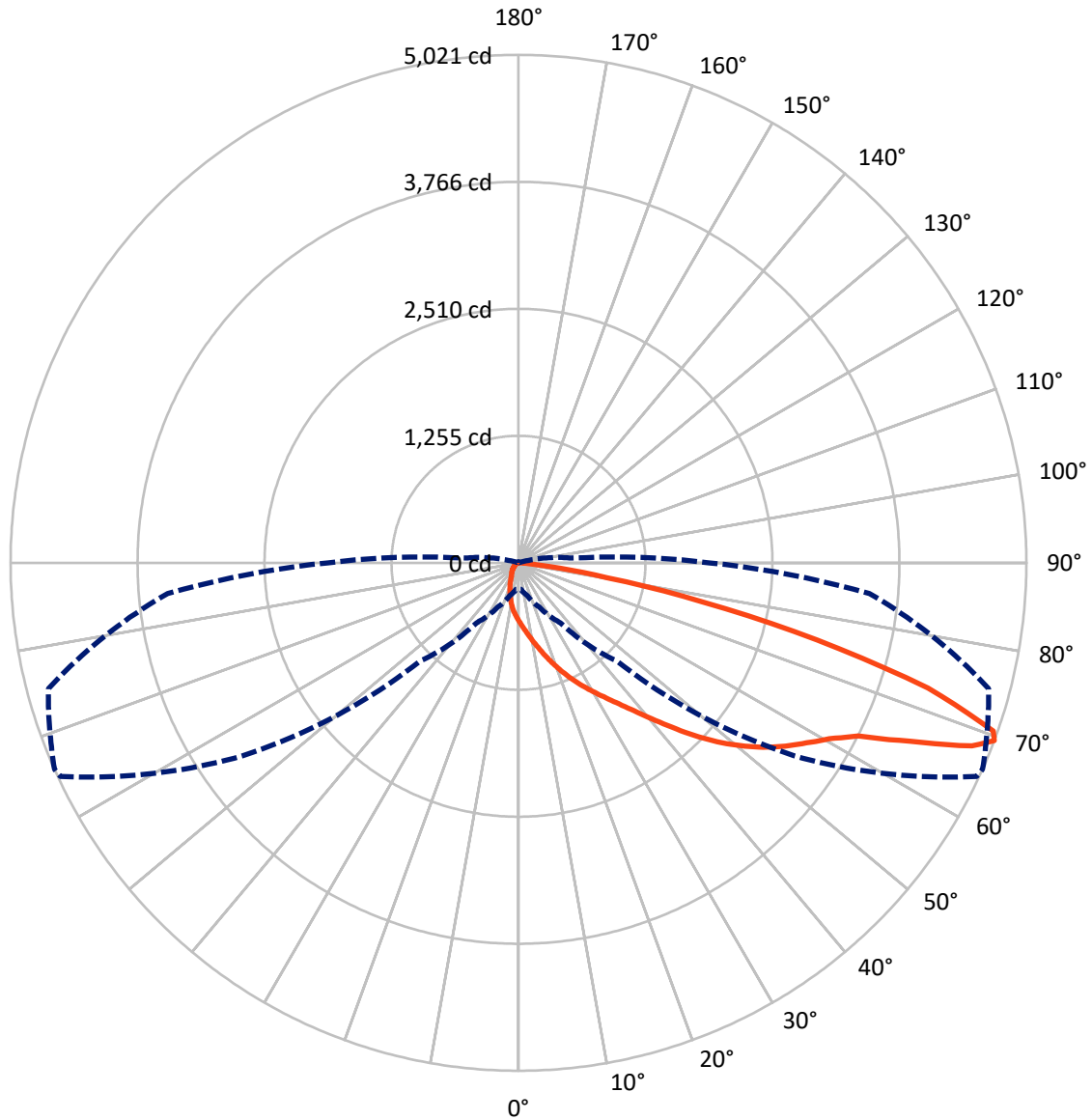
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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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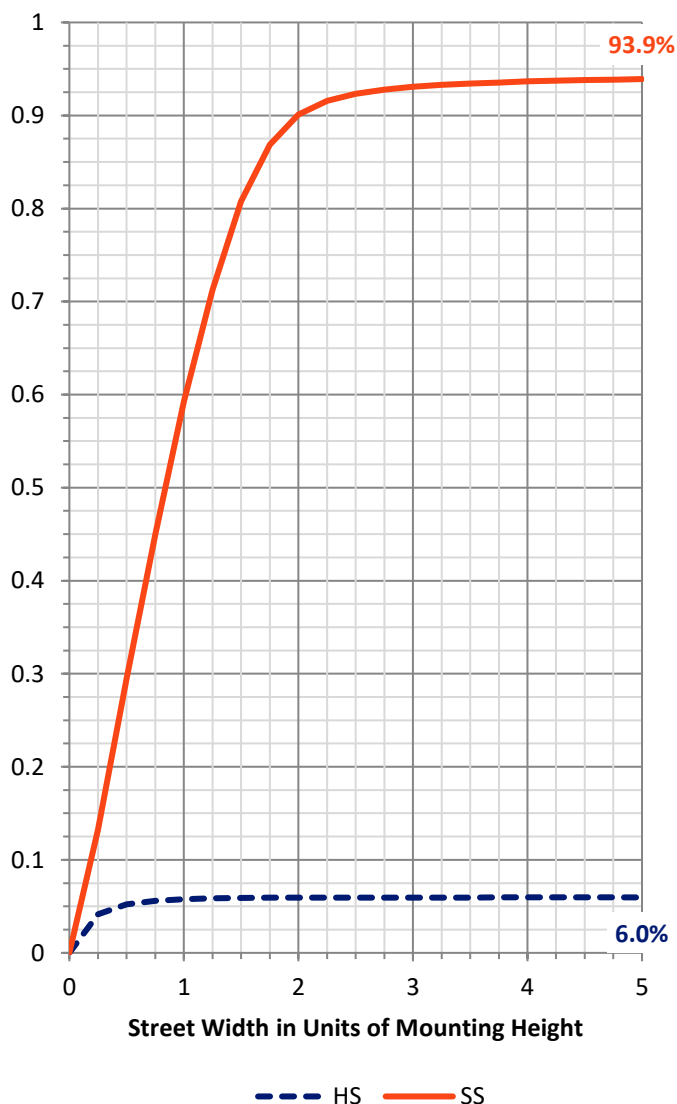
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	302.8	0.0	302.8
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	4745.5	0.0	4745.5
	% Fixture	94.0	0.0	94.0
Total	Lumens	5048.3	0.0	5048.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	1.1
10°-20°	165.3	3.3
20°-30°	287.8	5.7
30°-40°	505.0	10.0
40°-50°	845.2	16.7
50°-60°	1242.4	24.6
60°-70°	1275.7	25.3
70°-80°	629.8	12.5
80°-90°	41.6	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°	5048.3	100.0
0°-180°	5048.3	100.0

Coefficient of Utilization

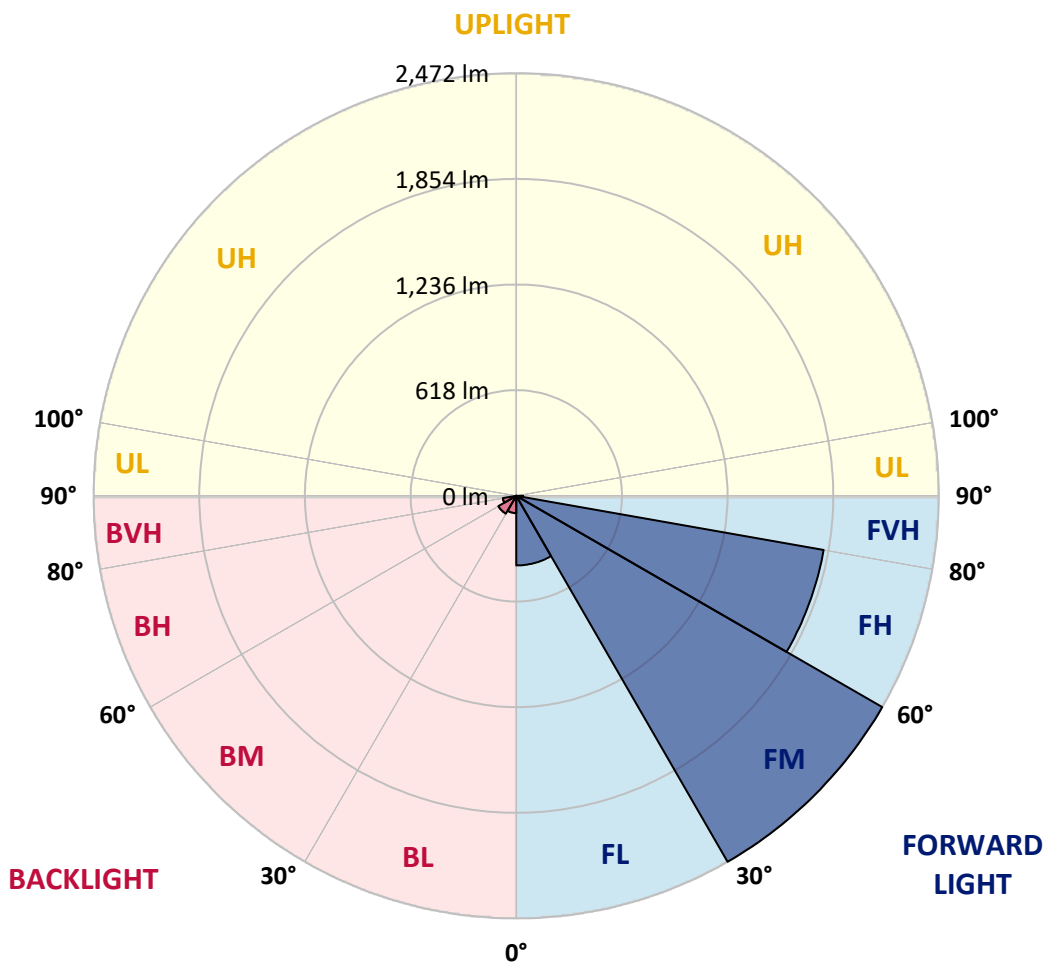


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.3	8.1			
FM (30°-60°)	2471.9	49.0			
FH (60°-80°)	1825.6	36.2			G2/5000
FVH (80°-90°)	40.6	0.8			G1/100
BL (0°-30°)	101.3	2.0	B0/110		
BM (30°-60°)	120.7	2.4	B0/220		
BH (60°-80°)	79.8	1.6	B0/110		G0/110
BVH (80°-90°)	1.0	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°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	676.2	673.3	672.1	666.8	657.8	650.7	637.4	621.8	618.9	603.7	585.3
5°	763.9	761.6	759.9	752.5	743.1	725.6	701.2	672.1	666.6	637.8	600.9
7.5°	825.1	829.4	829.4	824.6	812.9	799.7	769.7	730.1	723.1	679.1	621.8
10°	860.8	866.1	870.2	874.2	872.6	867.2	839.0	794.4	786.0	727.5	645.9
12.5°	864.1	869.4	881.0	898.0	914.5	926.5	908.8	865.7	856.0	783.6	674.8
15°	845.5	851.0	868.8	901.8	941.8	976.9	982.6	944.5	934.7	850.5	710.7
17.5°	812.9	816.4	841.9	887.6	950.5	1014.7	1049.5	1029.1	1020.0	927.0	750.8
20°	788.6	791.3	813.6	862.7	945.2	1038.5	1112.8	1119.1	1109.4	1009.0	794.2
22.5°	830.1	834.9	835.6	858.9	930.8	1050.2	1168.4	1207.5	1200.4	1096.0	836.8
25°	943.5	949.1	930.8	916.5	943.1	1055.5	1216.1	1298.1	1292.4	1189.7	879.7
27.5°	1093.4	1099.2	1075.7	1032.8	1007.0	1075.4	1258.6	1390.2	1390.0	1289.0	926.1
30°	1240.7	1246.4	1222.4	1179.5	1120.5	1131.8	1295.3	1486.6	1488.1	1391.4	975.2
32.5°	1395.0	1402.2	1377.5	1322.4	1260.8	1229.1	1346.8	1583.5	1591.6	1510.2	1030.6
35°	1570.6	1571.5	1536.8	1479.0	1408.0	1359.3	1429.6	1692.1	1711.6	1657.1	1100.9
37.5°	1742.8	1749.7	1721.2	1630.0	1564.8	1509.7	1552.5	1827.9	1855.4	1836.7	1192.7
40°	1870.2	1884.9	1880.9	1782.5	1720.7	1681.3	1705.3	1989.3	2024.2	2045.8	1308.5
42.5°	1950.4	1961.4	1980.1	1920.9	1864.8	1871.3	1885.6	2177.2	2220.4	2284.1	1441.6
45°	2042.2	2047.5	2063.1	2036.9	1999.0	2064.2	2077.0	2389.0	2434.3	2540.5	1589.3
47.5°	2154.4	2166.9	2171.2	2147.3	2130.0	2235.0	2261.4	2581.5	2645.1	2815.0	1745.6
50°	2297.3	2300.7	2308.1	2292.5	2275.3	2381.7	2426.8	2783.6	2841.4	3090.5	1899.7
52.5°	2437.2	2449.1	2475.0	2465.2	2458.2	2506.7	2574.3	2965.9	3030.3	3320.2	2053.7
55°	2477.4	2487.7	2577.1	2638.3	2694.9	2660.6	2715.2	3129.1	3198.9	3525.5	2201.9
57.5°	2316.5	2337.4	2492.3	2651.5	2886.2	2899.9	2909.0	3296.7	3359.3	3682.8	2356.1
60°	1909.9	1913.9	2168.1	2441.2	2854.5	3108.7	3192.0	3476.8	3529.3	3829.3	2540.7
62.5°	1214.7	1256.3	1535.1	1920.7	2519.8	3078.6	3534.1	3749.2	3768.4	4005.0	2805.4
65°	578.6	605.4	806.4	1186.6	1825.2	2691.7	3770.3	4241.9	4250.6	4353.4	3159.1
67.5°	320.3	333.3	428.9	638.8	1067.1	1903.6	3674.9	4825.6	4833.7	4709.3	3469.4
69°	250.5	261.6	336.9	481.4	723.4	1368.2	3325.5	4996.5	5020.8	4811.2	3480.5
70°	212.7	223.5	290.2	406.7	581.7	1057.2	2960.1	4954.1	4979.7	4801.6	3398.2
72.5°	130.2	136.4	193.2	286.3	389.8	531.8	1825.4	4189.7	4233.1	4404.5	2920.5
75°	87.7	91.1	120.8	197.6	278.9	273.8	948.3	2953.2	3047.1	3426.3	2157.0
77.5°	62.8	65.9	81.1	127.8	195.4	180.8	429.5	1835.3	1855.4	2054.9	1176.4
80°	35.7	38.6	57.3	76.0	132.6	120.6	170.7	876.6	886.7	881.2	392.8
82.5°	18.7	21.1	31.4	50.1	85.1	78.9	71.0	293.5	295.0	245.3	86.0
85°	3.6	4.3	15.6	34.3	43.9	34.3	29.0	68.9	70.3	62.1	21.3
87.5°	0.0	0.3	6.2	7.7	8.6	8.8	9.4	13.4	14.4	19.4	5.7
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°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	577.2	568.5	552.0	532.8	517.9	503.3	491.8	479.8	475.5	473.4	473.1
5°	582.9	564.7	529.6	493.7	464.2	436.4	416.5	397.6	388.7	384.6	382.9
7.5°	592.5	563.3	506.9	451.9	409.6	374.8	347.2	326.6	316.3	312.0	310.3
10°	603.7	561.3	480.3	407.9	353.7	317.7	290.4	270.0	258.7	253.9	251.6
12.5°	617.0	558.0	449.6	363.3	306.0	270.0	236.9	211.7	198.8	193.2	190.6
15°	633.2	554.6	417.5	321.3	264.0	220.1	183.9	166.9	164.2	163.3	163.5
17.5°	649.3	549.4	382.4	279.8	219.9	171.9	153.5	152.5	152.9	152.9	152.9
20°	663.7	537.3	344.3	244.3	177.9	145.0	141.2	139.6	138.4	137.4	136.2
22.5°	675.0	521.3	307.7	209.1	145.3	132.8	126.8	121.6	117.2	114.4	112.9
25°	682.7	499.9	274.1	175.3	130.7	120.8	110.1	101.2	94.5	90.4	88.7
27.5°	688.4	476.9	244.1	146.7	120.6	106.9	92.8	82.3	75.2	71.7	70.3
30°	692.5	450.8	217.8	129.0	109.3	92.3	77.2	66.9	61.9	59.9	59.0
32.5°	696.3	421.8	192.8	120.6	98.8	78.9	64.7	56.8	53.7	51.3	50.6
35°	706.0	394.9	169.1	111.7	88.0	67.4	55.6	49.9	46.8	45.3	44.8
37.5°	728.7	375.0	146.3	102.6	77.2	58.2	48.7	44.6	41.7	40.3	39.8
40°	765.4	365.0	127.1	92.8	66.7	51.3	44.2	40.3	37.2	35.0	34.6
42.5°	819.3	366.4	113.7	82.9	58.2	45.8	39.8	35.2	31.8	30.0	29.5
45°	884.8	377.0	104.3	73.4	51.3	41.5	35.0	30.2	27.1	25.5	24.9
47.5°	955.7	394.0	96.7	64.7	45.8	37.4	30.2	25.2	22.5	21.1	20.9
50°	1030.6	410.5	88.7	56.4	41.0	33.3	25.5	20.9	18.7	17.5	17.0
52.5°	1106.3	429.7	81.5	48.7	36.9	28.6	21.1	17.0	15.3	14.4	13.9
55°	1187.9	444.1	74.6	42.6	32.9	24.2	17.5	14.2	12.7	11.6	11.3
57.5°	1283.8	466.4	67.4	36.9	28.1	20.1	14.4	11.3	10.1	8.8	8.6
60°	1413.2	492.5	59.7	32.6	23.0	16.5	11.7	9.1	7.7	6.7	6.5
62.5°	1584.0	521.6	50.1	28.6	18.7	13.4	9.4	7.2	5.5	4.3	4.3
65°	1800.5	568.8	41.0	24.0	15.3	11.0	7.2	5.3	3.1	1.9	1.9
67.5°	1926.9	576.9	33.1	19.6	12.5	9.4	6.0	3.6	0.9	0.3	0.0
69°	1886.3	529.6	28.1	16.8	10.8	8.8	5.5	2.6	0.5	0.0	0.0
70°	1810.1	484.4	24.7	14.8	9.9	8.4	5.3	1.9	0.5	0.0	0.0
72.5°	1495.7	344.8	18.7	11.0	7.2	7.4	4.8	1.2	0.5	0.0	0.0
75°	1089.6	209.6	13.4	7.7	4.5	5.5	3.4	0.5	0.3	0.0	0.0
77.5°	606.2	98.8	8.4	4.3	2.9	3.4	1.7	0.0	0.0	0.0	0.0
80°	196.9	26.9	3.9	2.4	1.7	1.9	0.8	0.0	0.0	0.0	0.0
82.5°	36.4	7.7	2.2	1.2	0.5	0.5	0.0	0.0	0.0	0.0	0.0
85°	7.9	3.1	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	0.9	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)