

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: P386034

Luminaire Tested: GAW-SA1C-827-U-T3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-827-U-T3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4047 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

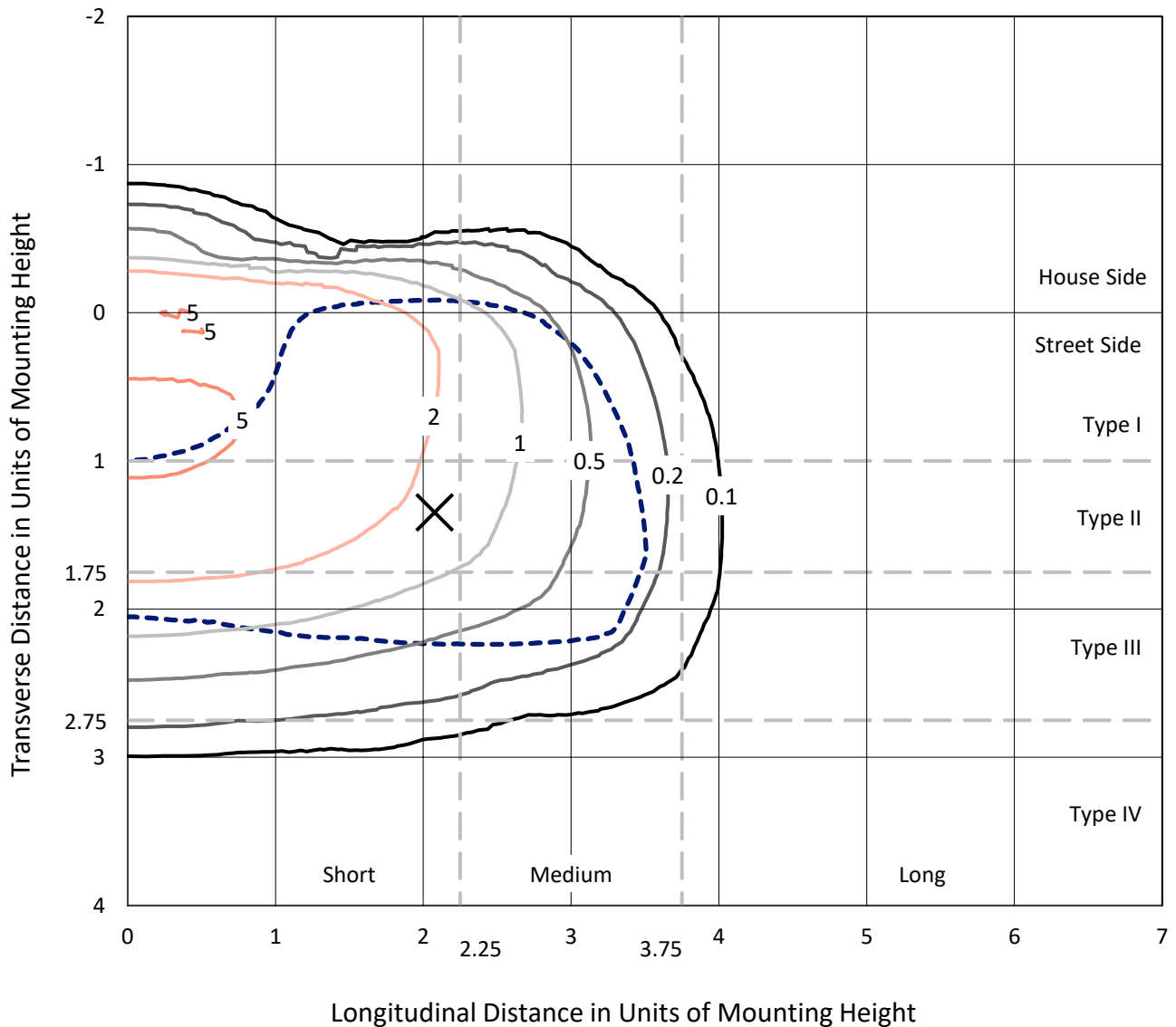
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

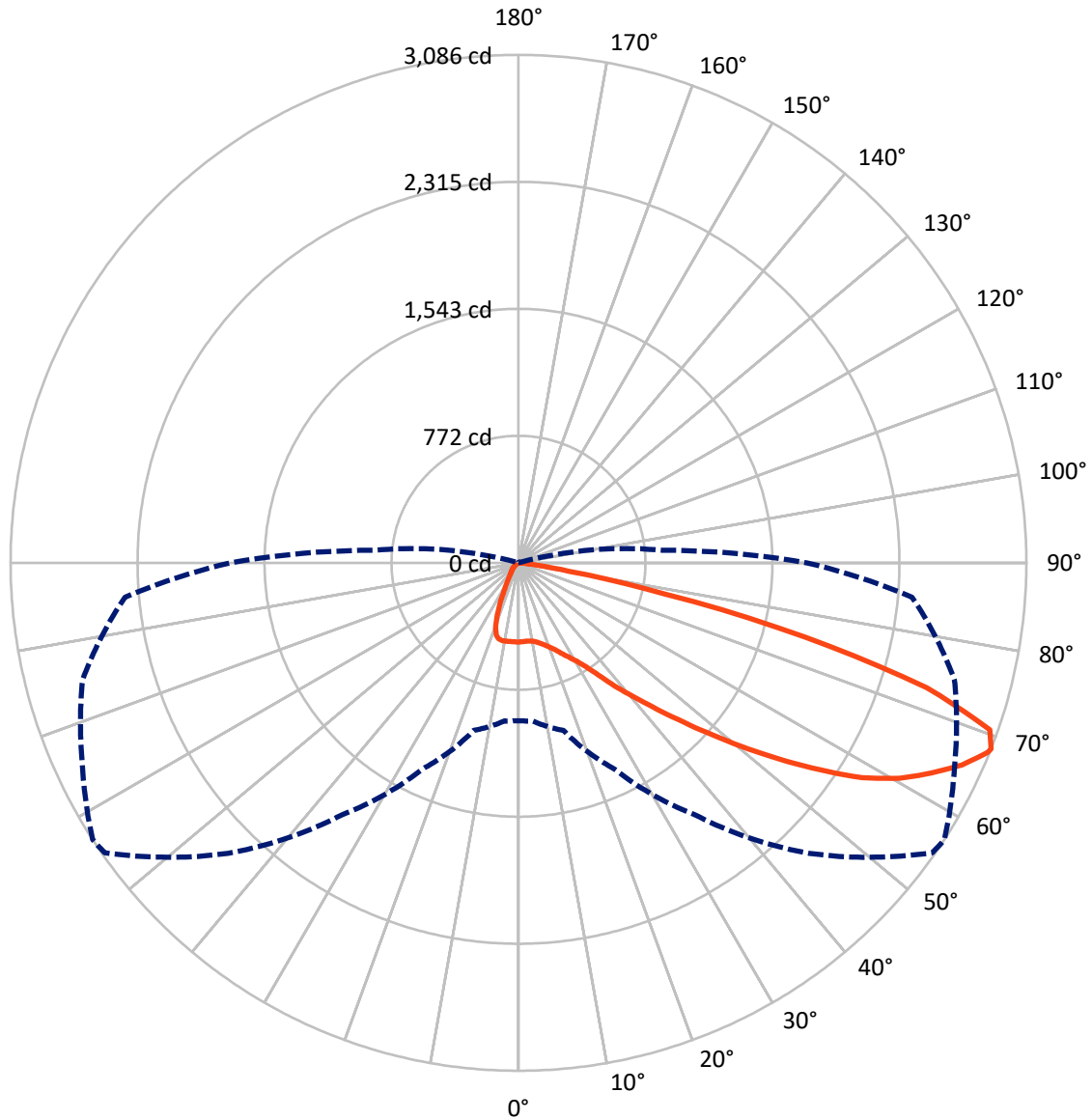
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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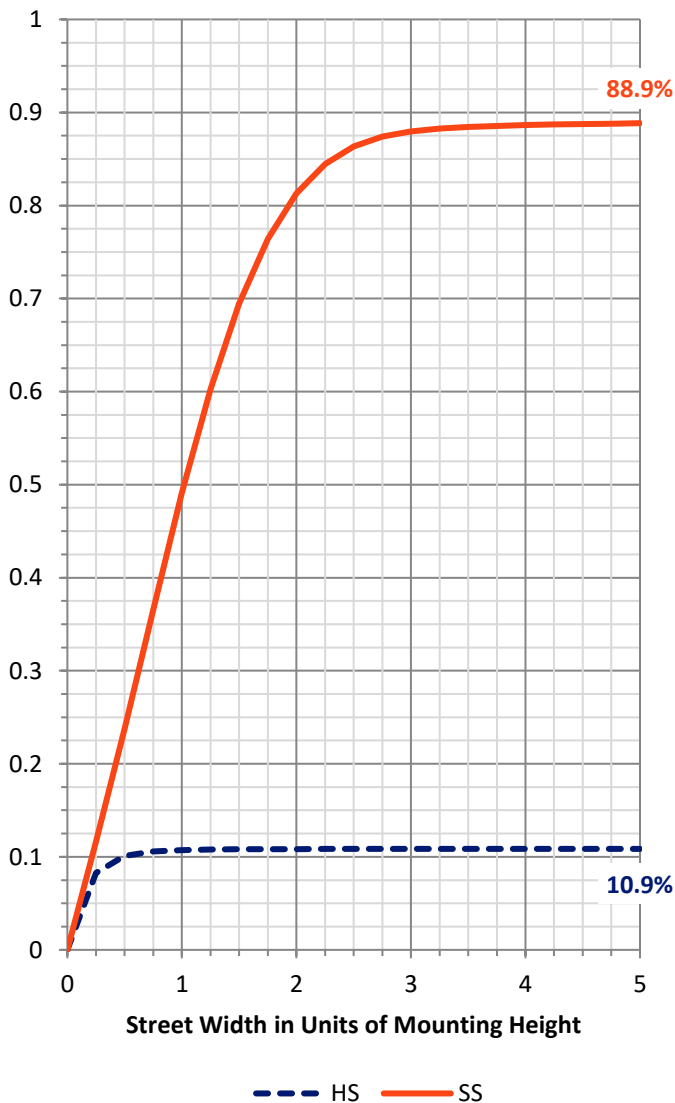
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	443.8	0.0	443.8
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	3603.2	0.0	3603.2
	% Fixture	89.0	0.0	89.0
Total	Lumens	4047.0	0.0	4047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	1.1
10°-20°	124.7	3.1
20°-30°	215.1	5.3
30°-40°	371.3	9.2
40°-50°	635.1	15.7
50°-60°	1016.2	25.1
60°-70°	1174.1	29.0
70°-80°	448.6	11.1
80°-90°	16.8	0.4
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°	4047.0	100.0
0°-180°	4047.0	100.0

Coefficient of Utilization



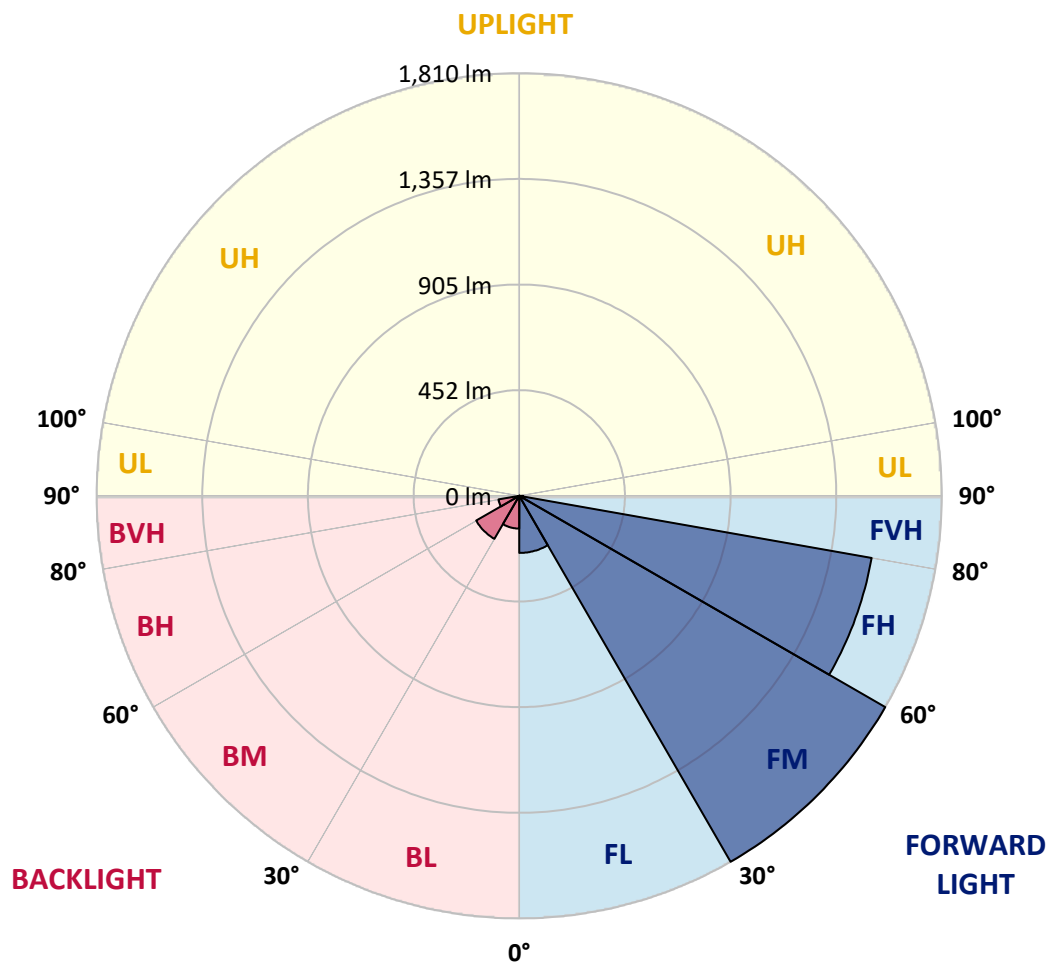
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.6	6.0			
FM (30°-60°)	1809.8	44.7			
FH (60°-80°)	1532.3	37.9			G1/1800
FVH (80°-90°)	16.5	0.4			G1/100
BL (0°-30°)	140.2	3.5	B1/500		
BM (30°-60°)	212.8	5.3	B0/220		
BH (60°-80°)	90.4	2.2	B0/110		G0/110
BVH (80°-90°)	0.3	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9
2.5°	469.6	471.7	473.2	474.2	475.3	477.8	478.6	479.7	480.3	480.3	481.7
5°	451.0	453.3	456.6	459.3	464.6	471.5	476.5	478.4	481.8	484.9	486.6
7.5°	433.8	436.5	440.3	446.6	455.8	466.9	477.3	479.9	486.6	493.1	496.4
10°	422.7	424.8	429.8	438.8	450.8	466.3	480.9	484.1	495.6	506.5	512.7
12.5°	418.9	420.8	426.0	436.1	451.0	469.2	489.3	494.1	510.9	526.8	535.4
15°	424.4	424.8	430.4	439.9	454.7	476.3	503.3	509.0	530.3	550.9	561.6
17.5°	445.9	444.1	447.0	451.2	462.9	485.7	518.0	526.6	554.9	579.2	589.4
20°	499.5	499.5	492.9	481.5	481.7	500.2	537.9	547.7	582.3	610.4	619.6
22.5°	591.1	589.4	576.4	548.2	522.4	525.3	562.2	574.8	615.2	645.3	648.3
25°	701.3	699.2	679.1	639.5	594.8	565.9	595.1	609.7	654.5	681.1	674.7
27.5°	818.1	816.3	796.4	747.3	683.5	630.5	634.4	648.1	694.4	720.7	700.6
30°	931.2	931.7	912.0	861.5	789.4	713.0	684.1	692.2	733.3	759.9	731.2
32.5°	1038.7	1039.5	1022.4	966.0	898.6	808.9	753.0	750.9	778.5	804.7	771.8
35°	1134.6	1136.5	1124.8	1081.0	1009.6	915.7	842.4	837.4	842.6	872.2	834.0
37.5°	1227.0	1228.2	1219.4	1182.4	1122.7	1033.0	955.3	948.2	937.1	959.9	916.0
40°	1328.2	1325.4	1315.2	1281.7	1230.5	1162.5	1076.6	1064.4	1045.0	1065.3	1024.0
42.5°	1422.4	1419.1	1420.9	1383.0	1339.7	1295.7	1218.0	1197.0	1185.7	1209.0	1156.4
45°	1540.1	1538.4	1544.1	1511.2	1476.2	1444.2	1380.1	1357.1	1352.2	1379.5	1316.6
47.5°	1656.2	1660.4	1678.2	1664.3	1650.1	1622.0	1551.7	1541.4	1544.5	1577.6	1485.5
50°	1753.1	1758.0	1806.8	1822.9	1843.4	1826.9	1756.5	1750.2	1762.2	1792.1	1667.3
52.5°	1823.1	1833.2	1893.9	1968.0	2042.6	2053.7	1983.5	1977.7	1994.0	1998.6	1807.8
55°	1871.7	1880.7	1949.4	2084.9	2236.8	2284.7	2241.0	2218.8	2215.8	2170.4	1955.5
57.5°	1880.3	1879.4	1978.1	2160.5	2389.1	2512.6	2485.0	2463.2	2400.4	2329.2	2124.9
60°	1831.7	1837.3	1951.9	2186.7	2484.8	2685.0	2687.1	2658.8	2561.0	2483.7	2289.1
62.5°	1682.1	1704.6	1820.4	2118.0	2483.7	2754.5	2835.2	2813.6	2696.7	2610.2	2455.5
65°	1439.4	1447.5	1557.9	1882.6	2315.9	2725.4	2968.6	2960.5	2818.9	2733.0	2541.1
67.5°	1051.1	1033.7	1149.7	1482.5	1960.7	2555.8	3064.3	3074.4	2913.3	2758.3	2450.0
68°	959.3	964.5	1054.8	1383.5	1867.7	2495.9	3070.6	3086.1	2922.7	2741.8	2400.2
70°	571.8	581.7	662.3	952.6	1420.9	2157.0	3002.5	3037.9	2866.8	2572.1	2076.1
72.5°	146.0	157.9	234.0	426.4	811.6	1519.8	2534.6	2594.5	2489.0	2086.6	1401.5
75°	60.1	63.1	83.6	140.5	302.4	684.7	1670.6	1798.8	1725.5	1249.2	633.4
77.5°	41.5	43.6	53.8	77.9	130.9	232.1	819.0	911.6	821.3	426.4	138.2
80°	29.9	31.6	38.5	51.9	75.2	82.9	266.9	308.7	245.1	93.6	34.3
82.5°	17.8	19.1	28.7	36.9	45.7	39.6	66.4	75.4	71.0	46.5	15.3
85°	8.8	10.3	19.3	26.4	24.7	16.6	20.3	22.6	27.9	28.3	8.2
87.5°	0.6	1.1	11.3	15.9	6.9	3.8	5.9	7.3	10.0	14.0	3.4
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°	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9	480.9
2.5°	482.2	482.4	481.1	480.5	480.9	478.6	477.6	478.0	478.0	478.6	477.6
5°	487.0	487.0	484.7	481.7	479.9	475.5	472.7	471.9	471.3	470.9	470.2
7.5°	497.3	496.2	492.2	485.5	479.7	470.2	462.9	459.1	457.2	456.4	455.8
10°	514.0	511.9	505.2	492.8	479.6	462.5	446.6	435.3	426.0	422.1	419.8
12.5°	536.4	533.3	522.0	501.4	478.2	446.8	412.4	379.3	348.5	335.8	329.5
15°	562.2	557.8	540.0	508.6	470.4	411.4	336.6	278.6	235.9	219.9	213.0
17.5°	588.4	582.7	555.7	513.2	446.8	338.1	236.1	178.3	149.8	142.2	139.5
20°	614.8	606.4	569.3	509.8	393.6	243.8	155.8	130.3	122.1	119.8	119.0
22.5°	639.9	626.9	581.5	496.4	311.7	163.6	123.2	115.2	112.5	111.2	110.8
25°	661.7	643.5	592.3	455.1	220.6	123.6	111.0	108.3	104.9	102.4	102.6
27.5°	682.2	660.2	598.8	386.9	147.2	105.6	102.8	99.1	92.8	89.2	89.2
30°	706.9	682.4	603.6	297.8	108.3	93.4	91.1	85.5	76.9	72.1	72.1
32.5°	744.0	716.1	600.5	209.0	89.7	82.1	76.7	69.1	59.7	55.1	54.9
35°	800.8	768.1	578.7	137.0	79.2	71.4	62.8	53.4	45.2	41.3	41.1
37.5°	877.4	837.8	529.7	98.0	71.0	61.4	51.1	40.8	34.6	32.1	32.0
40°	976.7	918.7	459.6	79.4	63.3	51.9	39.4	31.6	27.4	25.5	25.6
42.5°	1095.9	1005.4	375.6	68.5	55.9	42.7	30.8	24.9	22.2	20.9	20.5
45°	1228.3	1090.9	287.6	61.0	48.4	34.4	24.1	19.7	17.6	16.8	16.8
47.5°	1374.0	1174.2	210.5	54.5	40.4	26.6	19.3	16.1	14.4	13.8	13.6
50°	1506.2	1232.0	151.7	47.6	33.1	21.0	15.7	13.4	12.2	11.5	11.5
52.5°	1616.4	1250.2	111.8	40.2	26.8	16.8	13.0	11.5	10.3	9.8	9.8
55°	1713.4	1242.7	83.1	33.1	21.6	13.8	11.1	9.8	8.8	8.2	8.2
57.5°	1806.4	1218.6	62.0	27.0	17.4	11.1	9.4	8.2	7.3	6.9	6.9
60°	1882.4	1178.4	46.1	21.8	14.0	9.0	7.8	6.7	5.9	5.4	5.4
62.5°	1944.0	1134.0	33.9	18.0	11.1	7.1	6.1	5.5	4.4	3.8	3.8
65°	1944.4	1060.3	25.5	14.9	8.6	5.5	4.6	4.4	2.9	2.3	2.1
67.5°	1803.8	914.1	19.5	12.8	6.7	4.2	3.4	3.6	1.5	1.0	0.8
68°	1752.7	877.0	18.4	12.6	6.3	4.0	3.3	3.6	1.3	0.8	0.6
70°	1477.7	697.7	14.7	12.2	5.5	3.1	2.7	3.6	1.1	0.6	0.4
72.5°	945.1	404.9	10.9	9.8	4.2	2.3	1.7	3.3	1.1	0.4	0.2
75°	402.2	125.5	7.5	6.9	2.5	1.7	1.1	2.1	0.8	0.2	0.0
77.5°	84.8	28.3	4.4	4.2	1.7	1.1	0.8	0.6	0.2	0.0	0.0
80°	21.8	8.2	2.3	2.1	1.0	0.6	0.4	0.0	0.0	0.0	0.0
82.5°	6.9	3.3	1.3	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.4	1.9	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.6	0.2	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)