

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: P385922

Luminaire Tested: GAW-SA1C-730-U-T3-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385922
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-730-U-T3-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 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: 5014 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

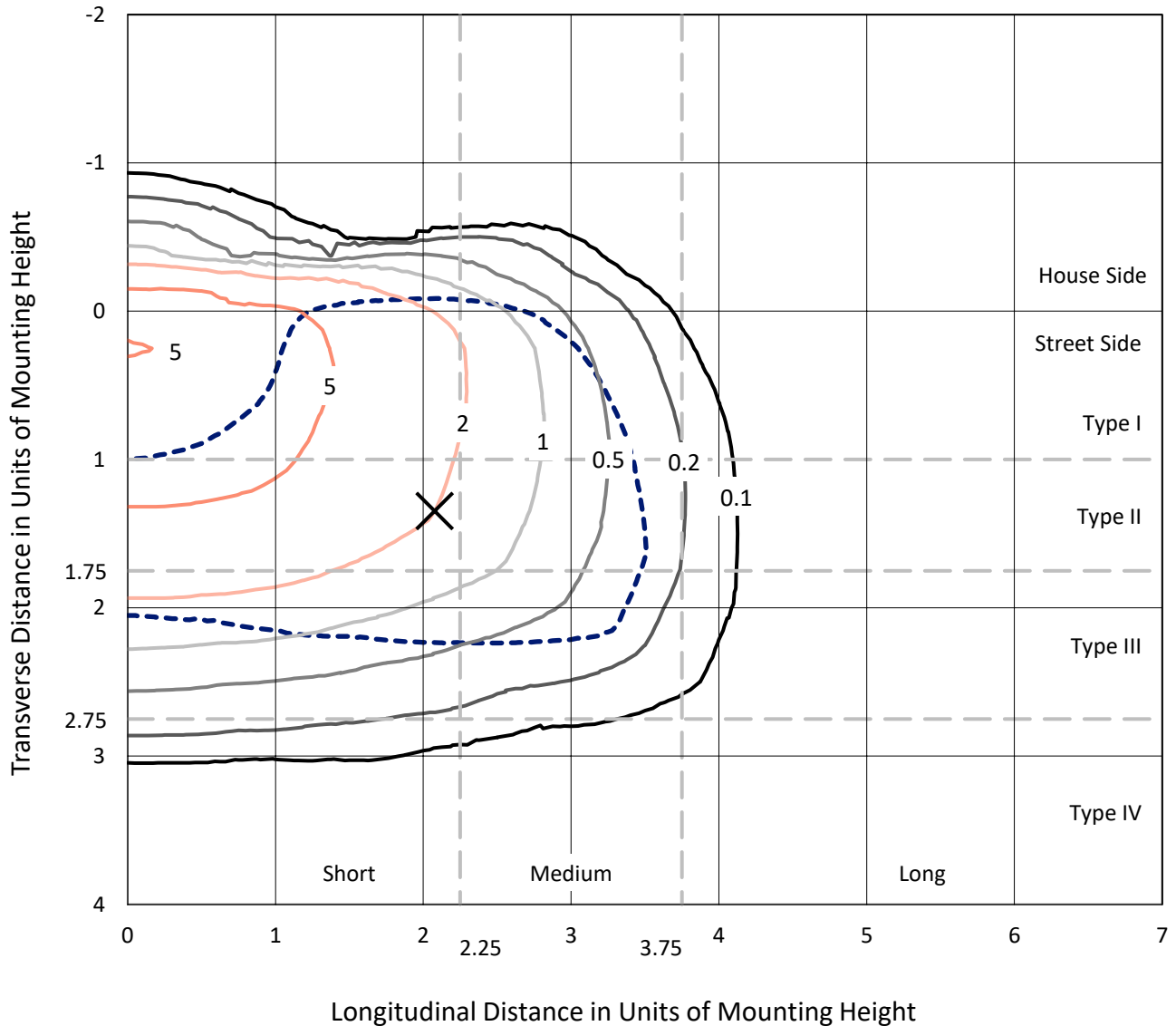
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

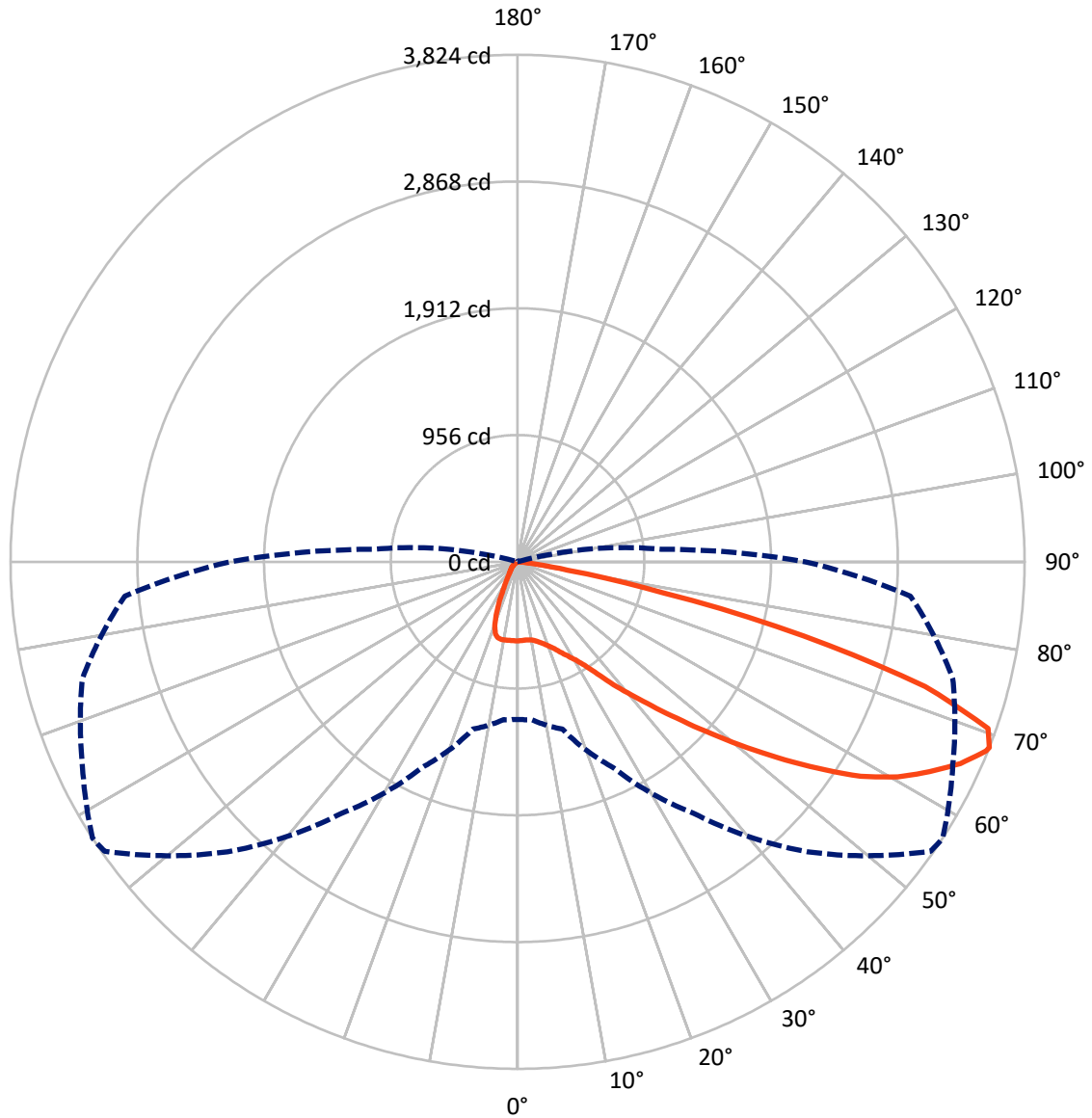
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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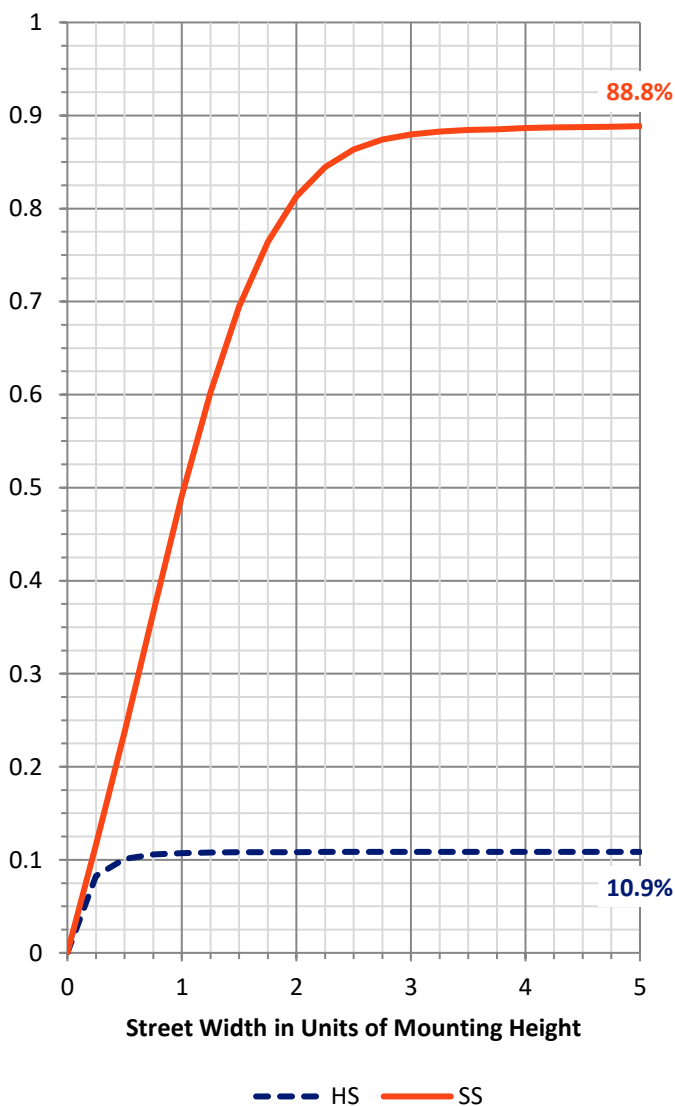
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.8	0.0	549.8
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	4464.2	0.0	4464.2
	% Fixture	89.0	0.0	89.0
Total	Lumens	5014.0	0.0	5014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	1.1
10°-20°	154.5	3.1
20°-30°	266.5	5.3
30°-40°	460.0	9.2
40°-50°	786.9	15.7
50°-60°	1259.0	25.1
60°-70°	1454.6	29.0
70°-80°	555.8	11.1
80°-90°	20.8	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°	5014.0	100.0
0°-180°	5014.0	100.0

Coefficient of Utilization



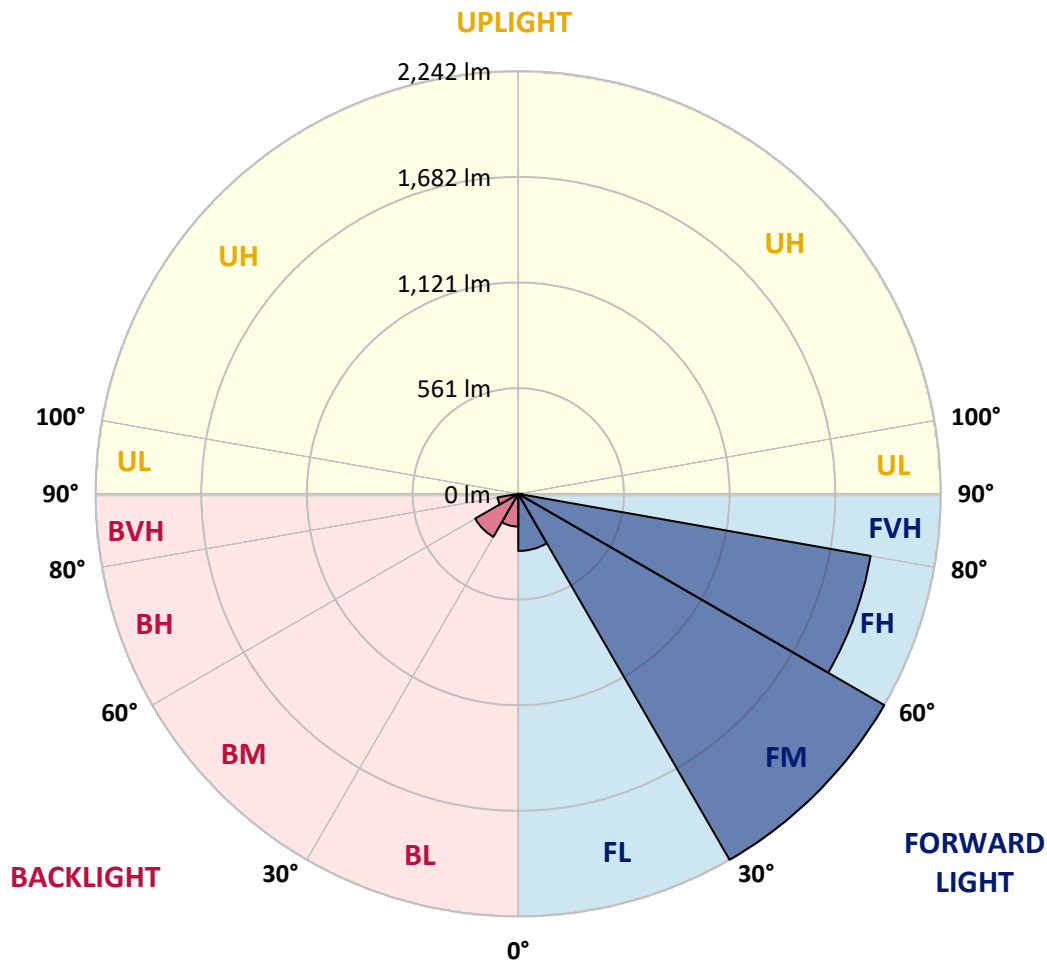
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.0	6.0			
FM (30°-60°)	2242.2	44.7			
FH (60°-80°)	1898.5	37.9			G2/5000
FVH (80°-90°)	20.5	0.4			G1/100
BL (0°-30°)	173.8	3.5	B1/500		
BM (30°-60°)	263.7	5.3	B1/1000		
BH (60°-80°)	112.0	2.2	B1/500		G1/500
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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8
2.5°	581.8	584.4	586.3	587.5	588.9	592.0	593.0	594.4	595.1	595.1	596.7
5°	558.8	561.7	565.7	569.0	575.6	584.2	590.3	592.7	597.0	600.8	602.9
7.5°	537.5	540.8	545.5	553.4	564.7	578.5	591.3	594.6	602.9	611.0	615.0
10°	523.7	526.3	532.5	543.6	558.6	577.8	595.8	599.8	614.1	627.6	635.2
12.5°	519.0	521.4	527.8	540.3	558.8	581.3	606.2	612.2	633.0	652.7	663.4
15°	525.9	526.3	533.2	545.1	563.3	590.1	623.5	630.6	657.0	682.6	695.8
17.5°	552.4	550.3	553.8	559.0	573.5	601.7	641.8	652.5	687.5	717.7	730.2
20°	618.8	618.8	610.7	596.5	596.7	619.7	666.4	678.5	721.5	756.3	767.7
22.5°	732.4	730.2	714.1	679.2	647.2	650.8	696.6	712.2	762.2	799.5	803.2
25°	868.9	866.3	841.4	792.3	736.9	701.1	737.3	755.4	810.8	843.8	836.0
27.5°	1013.5	1011.4	986.7	925.8	846.9	781.2	785.9	803.0	860.4	892.9	868.0
30°	1153.7	1154.4	1129.9	1067.4	978.0	883.4	847.6	857.5	908.5	941.5	905.9
32.5°	1286.9	1287.8	1266.7	1196.8	1113.4	1002.2	932.9	930.3	964.5	996.9	956.2
35°	1405.7	1408.0	1393.6	1339.3	1250.9	1134.5	1043.6	1037.5	1043.9	1080.6	1033.2
37.5°	1520.2	1521.6	1510.7	1465.0	1391.0	1279.8	1183.5	1174.8	1161.0	1189.2	1134.9
40°	1645.6	1642.1	1629.5	1588.0	1524.5	1440.3	1333.8	1318.7	1294.7	1319.9	1268.6
42.5°	1762.3	1758.2	1760.4	1713.4	1659.8	1605.3	1509.0	1483.0	1469.0	1497.9	1432.7
45°	1908.1	1905.9	1913.0	1872.3	1828.9	1789.3	1709.9	1681.4	1675.2	1709.1	1631.1
47.5°	2052.0	2057.2	2079.2	2061.9	2044.4	2009.5	1922.5	1909.7	1913.5	1954.5	1840.5
50°	2171.9	2178.1	2238.6	2258.5	2283.8	2263.5	2176.2	2168.4	2183.3	2220.3	2065.7
52.5°	2258.7	2271.3	2346.4	2438.2	2530.6	2544.4	2457.4	2450.3	2470.4	2476.1	2239.7
55°	2318.9	2330.1	2415.2	2583.0	2771.3	2830.6	2776.5	2749.0	2745.2	2689.0	2422.8
57.5°	2329.6	2328.4	2450.8	2676.7	2960.0	3112.9	3078.8	3051.8	2974.0	2885.8	2632.6
60°	2269.4	2276.3	2418.3	2709.2	3078.6	3326.5	3329.2	3294.1	3172.9	3077.1	2836.0
62.5°	2084.0	2112.0	2255.4	2624.1	3077.1	3412.6	3512.7	3485.9	3341.0	3233.8	3042.3
65°	1783.4	1793.3	1930.1	2332.4	2869.2	3376.6	3677.9	3667.9	3492.5	3386.1	3148.3
67.5°	1302.3	1280.7	1424.4	1836.7	2429.2	3166.5	3796.4	3809.0	3609.4	3417.3	3035.4
68°	1188.5	1194.9	1306.8	1714.1	2314.0	3092.3	3804.3	3823.5	3621.0	3397.0	2973.8
70°	708.4	720.7	820.6	1180.2	1760.4	2672.4	3719.9	3763.7	3551.8	3186.7	2572.1
72.5°	180.9	195.6	290.0	528.2	1005.5	1882.9	3140.2	3214.4	3083.8	2585.2	1736.4
75°	74.4	78.2	103.6	174.0	374.6	848.3	2069.8	2228.6	2137.8	1547.7	784.8
77.5°	51.4	54.1	66.6	96.5	162.2	287.6	1014.7	1129.5	1017.6	528.2	171.2
80°	37.0	39.1	47.7	64.3	93.2	102.7	330.7	382.4	303.7	115.9	42.4
82.5°	22.0	23.7	35.6	45.8	56.7	49.1	82.3	93.4	88.0	57.6	19.0
85°	10.9	12.8	23.9	32.7	30.6	20.6	25.1	28.0	34.6	35.1	10.2
87.5°	0.7	1.4	14.0	19.7	8.5	4.7	7.3	9.0	12.3	17.3	4.3
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°	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8	595.8
2.5°	597.5	597.7	596.0	595.3	595.8	593.0	591.8	592.2	592.2	593.0	591.8
5°	603.4	603.4	600.5	596.7	594.6	589.2	585.6	584.7	583.9	583.5	582.5
7.5°	616.2	614.8	609.8	601.5	594.4	582.5	573.5	568.8	566.4	565.4	564.7
10°	636.8	634.2	625.9	610.5	594.1	573.0	553.4	539.4	527.8	523.0	520.2
12.5°	664.6	660.8	646.8	621.2	592.5	553.6	510.9	469.9	431.7	416.1	408.3
15°	696.6	691.1	669.1	630.2	582.8	509.7	417.0	345.2	292.3	272.4	263.9
17.5°	729.0	721.9	688.5	635.9	553.6	418.9	292.6	221.0	185.6	176.2	172.8
20°	761.8	751.3	705.3	631.6	487.7	302.0	193.0	161.5	151.3	148.4	147.5
22.5°	792.8	776.7	720.5	615.0	386.2	202.7	152.7	142.7	139.4	137.7	137.3
25°	819.8	797.3	733.8	563.8	273.4	153.2	137.5	134.2	129.9	126.8	127.1
27.5°	845.2	817.9	741.8	479.4	182.3	130.9	127.3	122.8	115.0	110.5	110.5
30°	875.8	845.4	747.8	368.9	134.2	115.7	112.9	106.0	95.3	89.4	89.4
32.5°	921.8	887.2	744.0	258.9	111.2	101.7	95.1	85.6	74.0	68.3	68.0
35°	992.2	951.7	716.9	169.8	98.2	88.4	77.8	66.1	56.0	51.2	51.0
37.5°	1087.0	1038.0	656.3	121.4	88.0	76.1	63.3	50.5	42.9	39.8	39.6
40°	1210.1	1138.2	569.5	98.4	78.5	64.3	48.8	39.1	33.9	31.5	31.8
42.5°	1357.8	1245.6	465.4	84.9	69.2	52.9	38.2	30.8	27.5	25.8	25.4
45°	1521.9	1351.6	356.3	75.6	60.0	42.7	29.9	24.4	21.8	20.9	20.9
47.5°	1702.3	1454.8	260.8	67.6	50.0	33.0	23.9	19.9	17.8	17.1	16.8
50°	1866.1	1526.4	188.0	59.0	41.0	26.1	19.4	16.6	15.2	14.2	14.2
52.5°	2002.7	1548.9	138.5	49.8	33.2	20.9	16.1	14.2	12.8	12.1	12.1
55°	2122.9	1539.6	102.9	41.0	26.8	17.1	13.8	12.1	10.9	10.2	10.2
57.5°	2238.1	1509.8	76.8	33.4	21.6	13.8	11.6	10.2	9.0	8.5	8.5
60°	2332.2	1460.0	57.1	27.0	17.3	11.1	9.7	8.3	7.3	6.6	6.6
62.5°	2408.5	1405.0	42.0	22.3	13.8	8.8	7.6	6.9	5.5	4.7	4.7
65°	2409.0	1313.7	31.5	18.5	10.7	6.9	5.7	5.5	3.6	2.8	2.6
67.5°	2234.8	1132.6	24.2	15.9	8.3	5.2	4.3	4.5	1.9	1.2	0.9
68°	2171.5	1086.6	22.8	15.6	7.8	5.0	4.0	4.5	1.7	0.9	0.7
70°	1830.8	864.4	18.3	15.2	6.9	3.8	3.3	4.5	1.4	0.7	0.5
72.5°	1171.0	501.7	13.5	12.1	5.2	2.8	2.1	4.0	1.4	0.5	0.2
75°	498.4	155.5	9.2	8.5	3.1	2.1	1.4	2.6	0.9	0.2	0.0
77.5°	105.0	35.1	5.5	5.2	2.1	1.4	0.9	0.7	0.2	0.0	0.0
80°	27.0	10.2	2.8	2.6	1.2	0.7	0.5	0.0	0.0	0.0	0.0
82.5°	8.5	4.0	1.7	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.3	2.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.7	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)