

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: P321245

Luminaire Tested: **GAN-SA1C-730-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5443 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

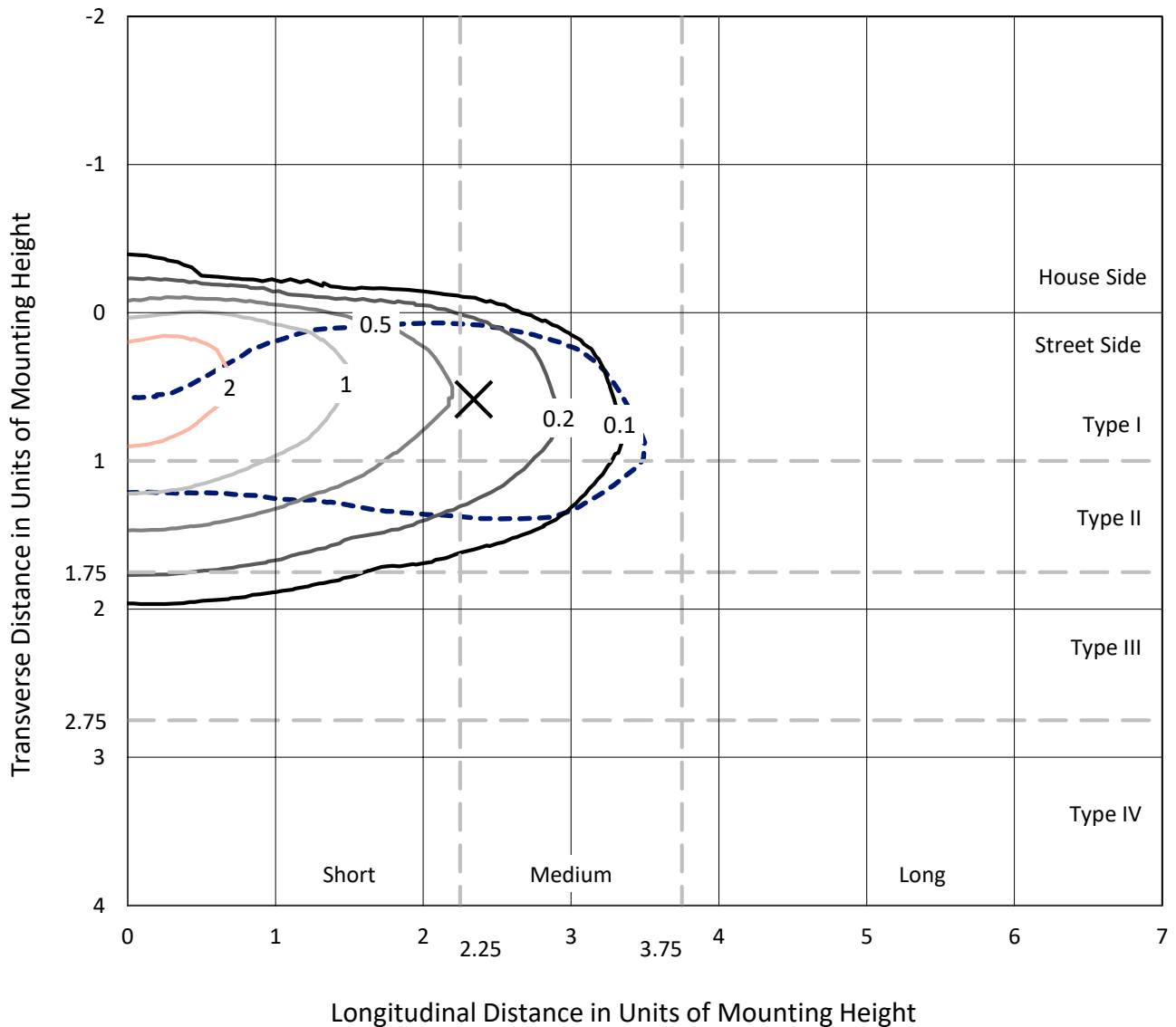
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

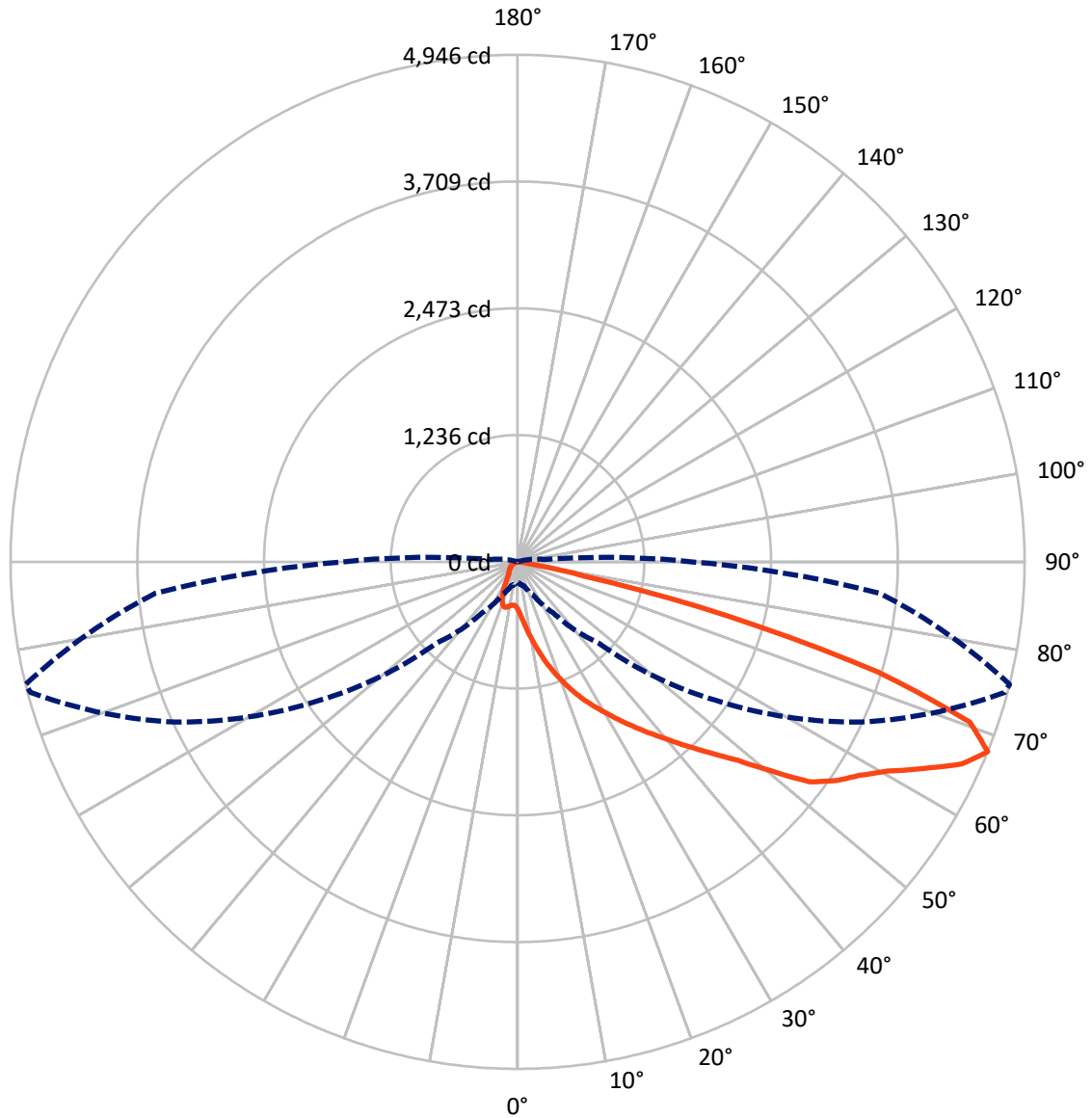
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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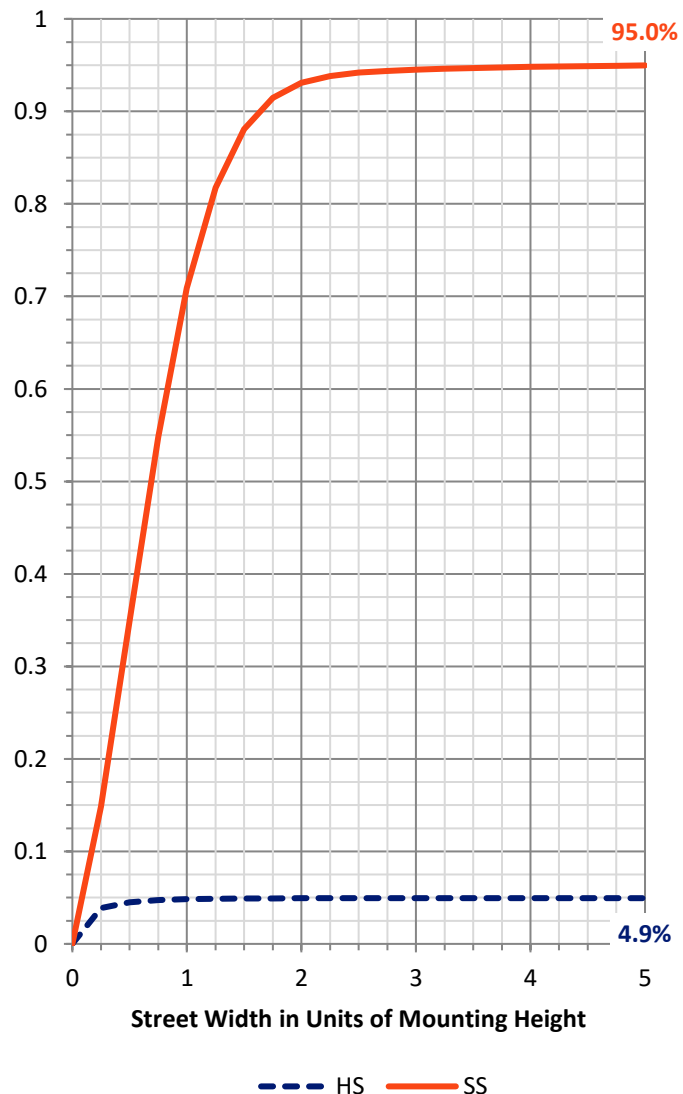
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	270.3	0.0	270.3
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5172.7	0.0	5172.7
	% Fixture	95.0	0.0	95.0
Total	Lumens	5443.0	0.0	5443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	1.1
10°-20°	227.6	4.2
20°-30°	463.1	8.5
30°-40°	803.8	14.8
40°-50°	1135.6	20.9
50°-60°	1287.9	23.7
60°-70°	1068.2	19.6
70°-80°	386.9	7.1
80°-90°	12.5	0.2
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°	5443.0	100.0
0°-180°	5443.0	100.0

Coefficient of Utilization

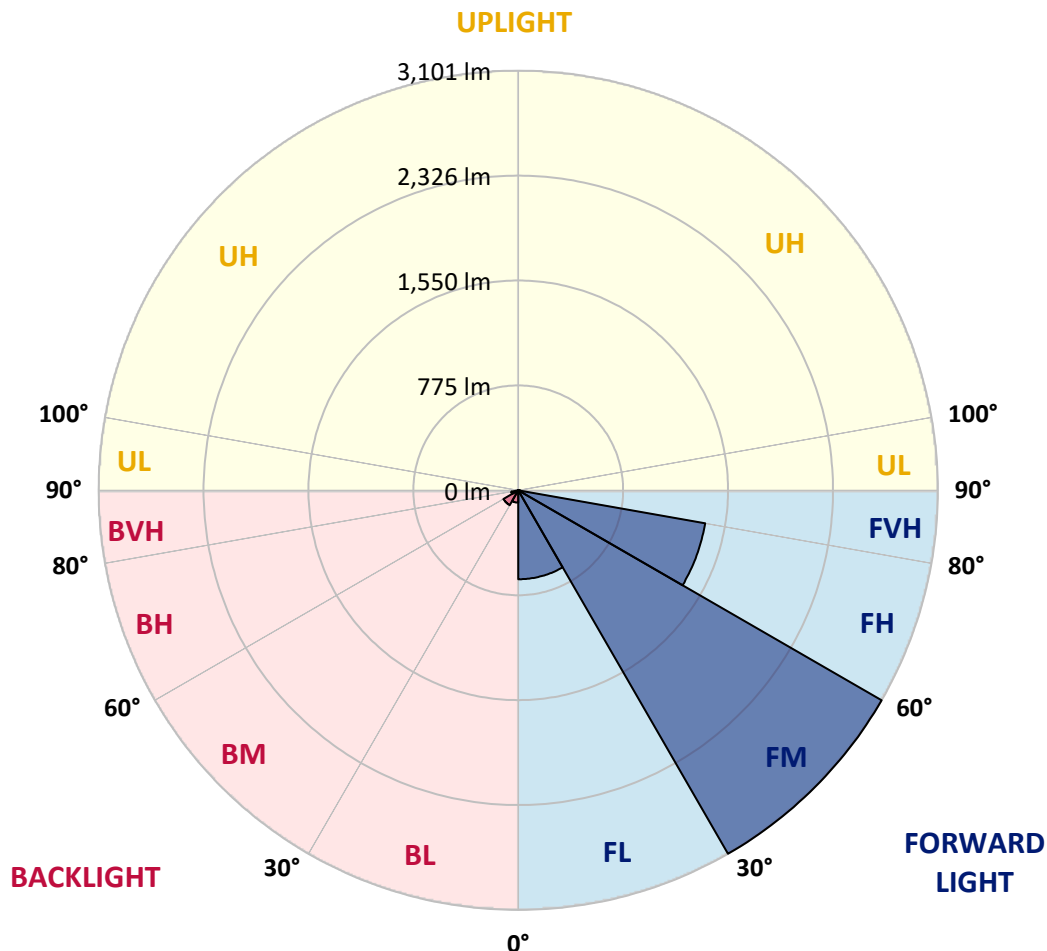


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.0	12.1			
FM (30°-60°)	3100.8	57.0			
FH (60°-80°)	1402.8	25.8			G1/1800
FVH (80°-90°)	12.1	0.2			G1/100
BL (0°-30°)	91.2	1.7	B0/110		
BM (30°-60°)	126.5	2.3	B0/220		
BH (60°-80°)	52.2	1.0	B0/110		G0/110
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: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7
2.5°	689.2	673.7	677.3	667.3	649.2	612.0	580.3	550.2	515.1	514.0	485.1
5°	929.4	916.3	914.6	894.4	861.4	798.2	736.7	666.6	588.4	582.6	521.3
7.5°	1147.4	1136.9	1133.1	1109.0	1047.7	986.2	906.0	803.0	680.7	670.2	570.2
10°	1314.8	1309.8	1310.8	1293.6	1241.1	1183.9	1078.7	947.3	785.4	769.1	628.9
12.5°	1441.7	1442.9	1451.5	1441.0	1411.6	1369.2	1256.9	1101.1	901.3	879.1	695.9
15°	1534.9	1540.9	1556.6	1569.8	1567.6	1530.9	1427.9	1257.3	1024.3	999.8	770.6
17.5°	1595.3	1602.0	1624.9	1654.0	1680.7	1672.1	1592.9	1408.1	1148.8	1120.4	850.5
20°	1648.2	1656.1	1680.7	1719.1	1768.9	1779.6	1727.6	1554.3	1273.1	1238.5	933.0
22.5°	1762.9	1762.7	1777.7	1800.2	1847.6	1875.3	1842.4	1690.0	1395.9	1359.9	1017.2
25°	1970.4	1962.6	1957.3	1939.7	1950.2	1967.3	1949.0	1816.8	1519.4	1483.0	1102.6
27.5°	2217.0	2221.8	2179.4	2131.9	2095.2	2077.5	2047.5	1934.4	1638.2	1598.1	1186.0
30°	2477.2	2478.7	2428.6	2368.0	2287.2	2220.1	2168.1	2046.8	1760.3	1716.7	1267.1
32.5°	2711.9	2702.6	2653.0	2570.5	2468.4	2393.0	2285.0	2172.2	1889.6	1847.4	1357.3
35°	2897.9	2887.0	2826.6	2751.5	2645.6	2569.8	2439.8	2297.4	2025.5	1984.3	1447.7
37.5°	3033.9	3021.0	2959.0	2881.7	2790.4	2746.3	2619.4	2433.6	2173.9	2129.5	1542.8
40°	3081.1	3069.9	3031.0	2974.5	2901.0	2891.0	2809.9	2590.3	2335.3	2288.1	1650.6
42.5°	3053.0	3042.0	3028.2	3009.1	2978.5	2988.1	2989.8	2768.9	2514.7	2468.2	1769.6
45°	2941.3	2931.6	2945.9	2973.8	3011.7	3058.9	3153.8	2960.9	2715.0	2665.4	1907.2
47.5°	2777.0	2769.9	2809.5	2879.1	2990.0	3120.2	3303.9	3162.7	2939.9	2893.9	2079.0
50°	2543.3	2542.1	2621.3	2748.4	2918.9	3149.8	3458.9	3392.1	3252.3	3203.9	2317.7
52.5°	2179.4	2181.7	2337.5	2540.9	2794.2	3129.8	3558.6	3686.9	3615.8	3565.5	2524.5
55°	1832.8	1847.1	1957.6	2250.9	2602.9	3055.3	3592.9	3824.5	3816.4	3768.7	2639.4
57.5°	1493.4	1519.4	1625.8	1899.8	2323.6	2883.9	3574.1	3884.1	3965.7	3929.2	2791.1
60°	1125.7	1137.6	1260.2	1516.3	1965.2	2571.0	3437.4	3916.5	4169.8	4144.5	3011.2
62.5°	716.2	746.0	854.8	1101.8	1530.2	2136.4	3207.0	3916.1	4425.3	4439.1	3295.3
65°	377.3	412.1	469.8	682.8	1051.5	1651.1	2860.5	3879.3	4738.6	4758.0	3517.3
67.5°	203.4	213.5	244.0	354.4	609.8	1118.5	2351.3	3698.1	4920.1	4945.6	3548.3
70°	148.8	154.3	165.8	196.0	306.9	649.7	1715.7	3287.2	4686.2	4676.6	3152.6
72.5°	114.2	122.8	131.4	143.6	176.5	346.8	1068.2	2574.1	3739.1	3676.1	2356.6
75°	90.2	91.6	103.7	114.7	132.4	197.5	474.4	1499.2	2282.1	2133.1	1222.0
77.5°	72.0	73.0	80.1	89.7	106.4	129.7	146.9	589.8	728.6	650.1	265.2
80°	42.7	45.1	59.6	69.2	88.2	81.8	53.7	128.1	113.8	103.0	44.6
82.5°	23.8	25.8	33.6	54.6	61.5	39.1	26.7	34.6	26.7	26.0	12.6
85°	0.0	1.2	21.7	33.9	25.0	8.6	11.2	11.4	7.9	7.4	5.0
87.5°	0.0	0.0	6.7	6.4	1.0	1.4	2.6	3.8	3.1	3.1	2.6
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°	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7
2.5°	470.8	457.9	433.6	409.7	389.7	373.2	358.5	352.5	347.7	347.0	343.2
5°	491.8	465.8	419.3	381.1	355.6	337.5	322.0	312.4	305.0	302.2	299.5
7.5°	523.5	484.1	417.4	373.5	343.0	312.4	283.8	252.8	233.5	226.1	221.8
10°	562.1	508.5	424.5	371.3	317.9	253.5	206.1	166.7	150.7	145.5	144.1
12.5°	607.2	538.8	436.9	358.0	264.5	180.1	142.1	128.8	125.2	123.5	123.5
15°	659.0	571.9	445.7	319.3	195.6	136.2	123.1	116.9	113.0	110.9	111.1
17.5°	711.9	604.3	441.5	263.3	144.3	121.2	111.4	104.7	99.5	97.3	96.8
20°	765.3	634.4	417.6	196.0	122.1	109.9	99.0	91.6	86.3	84.2	83.7
22.5°	820.7	659.9	375.6	143.8	109.7	97.5	86.8	79.4	74.4	72.5	71.5
25°	874.6	680.7	317.0	116.4	98.0	85.9	75.6	68.7	64.2	62.2	62.0
27.5°	924.9	693.8	249.0	102.8	87.8	75.4	66.1	59.9	56.0	54.6	54.4
30°	970.2	695.0	184.1	92.8	78.7	66.3	57.7	52.2	48.9	47.5	47.0
32.5°	1016.0	685.0	134.0	83.7	70.4	58.4	50.1	45.8	43.4	42.2	42.2
35°	1059.2	661.8	104.5	75.8	62.2	50.8	44.1	41.0	39.6	38.4	38.4
37.5°	1101.4	628.7	88.7	68.9	54.6	44.4	38.9	37.0	35.8	34.6	34.6
40°	1144.3	586.9	80.6	62.5	48.4	39.4	34.6	32.9	31.7	30.8	30.5
42.5°	1197.0	538.8	75.4	56.5	42.9	34.8	30.5	28.6	27.7	26.7	26.2
45°	1258.1	497.3	71.1	50.6	38.4	31.0	26.5	24.6	23.1	21.9	21.7
47.5°	1346.1	467.2	65.3	44.1	34.1	26.9	22.9	20.7	18.6	17.4	17.2
50°	1458.4	442.4	58.0	38.4	29.8	22.9	19.1	16.5	14.5	13.4	13.4
52.5°	1514.2	410.0	51.3	33.4	25.0	19.3	15.5	12.4	11.4	10.3	10.3
55°	1536.6	385.2	44.6	28.4	20.7	16.0	12.2	9.5	8.8	8.1	7.9
57.5°	1599.6	378.0	38.9	24.1	17.2	12.6	9.3	7.2	6.7	5.7	5.7
60°	1700.9	381.6	33.6	20.5	13.8	9.8	6.9	5.5	5.0	4.1	4.1
62.5°	1810.4	377.1	28.4	17.6	10.7	7.2	4.8	4.1	4.1	2.4	2.1
65°	1831.4	335.8	24.3	14.5	8.3	5.2	3.1	2.6	3.6	0.5	0.0
67.5°	1699.7	260.4	21.0	11.2	6.2	4.1	2.4	1.2	3.1	0.0	0.0
70°	1359.2	165.5	16.9	8.1	4.8	3.3	1.9	0.5	2.4	0.0	0.0
72.5°	961.1	96.1	13.4	5.7	4.1	2.6	1.4	0.0	1.4	0.0	0.0
75°	486.1	51.3	8.3	4.3	3.1	1.9	1.0	0.0	0.2	0.0	0.0
77.5°	105.2	23.8	5.2	3.1	2.1	1.2	0.5	0.0	0.0	0.0	0.0
80°	22.9	10.5	3.3	1.9	1.2	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	8.3	5.5	1.7	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.5	2.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	1.0	0.2	0.2	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)