

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: P526759

Luminaire Tested: **GLAN-SA1D-727-U-T2R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526759  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1D-727-U-T2R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

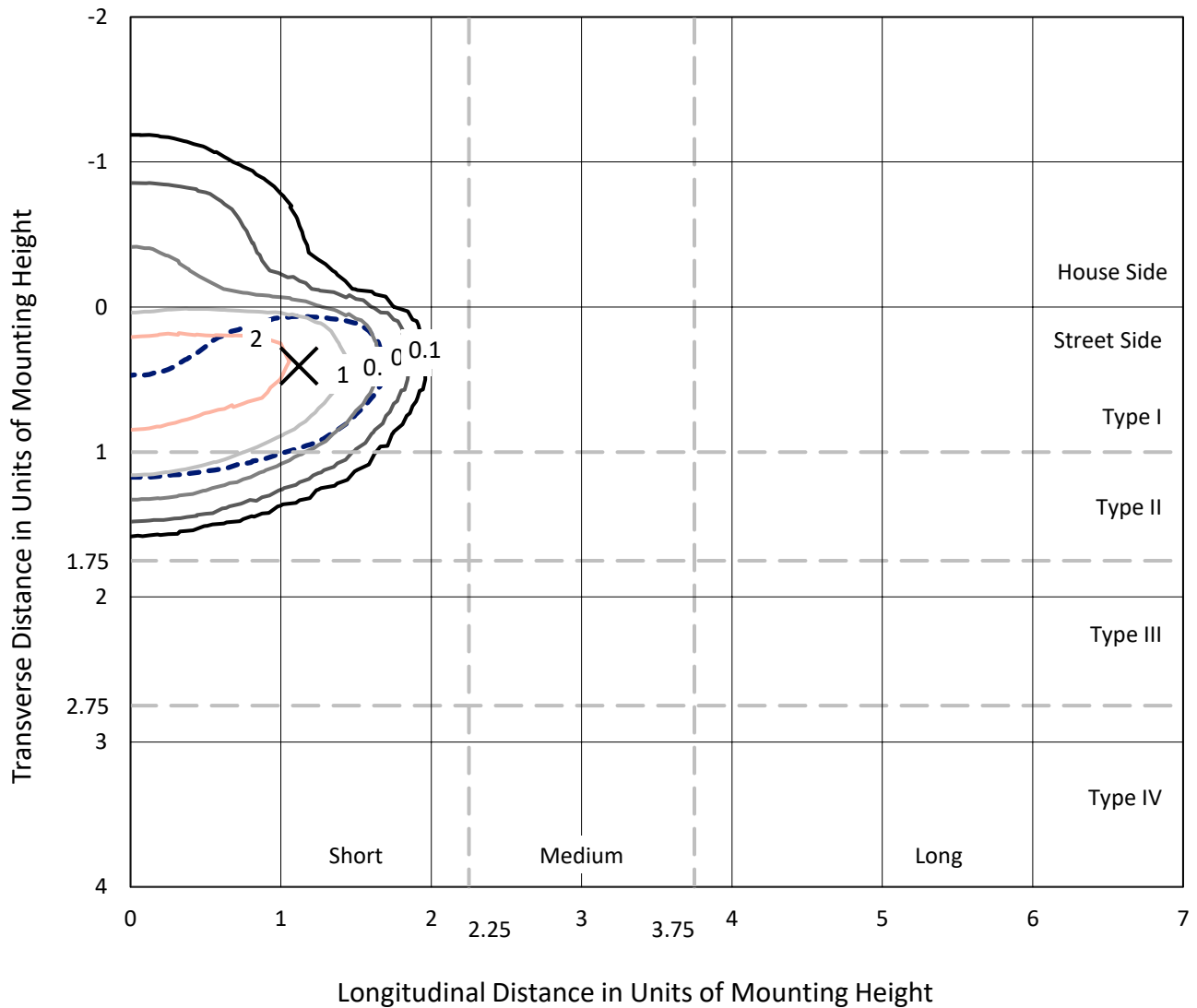
Lumens per Lamp: N/A  
Luminaire Lumens: 4330 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

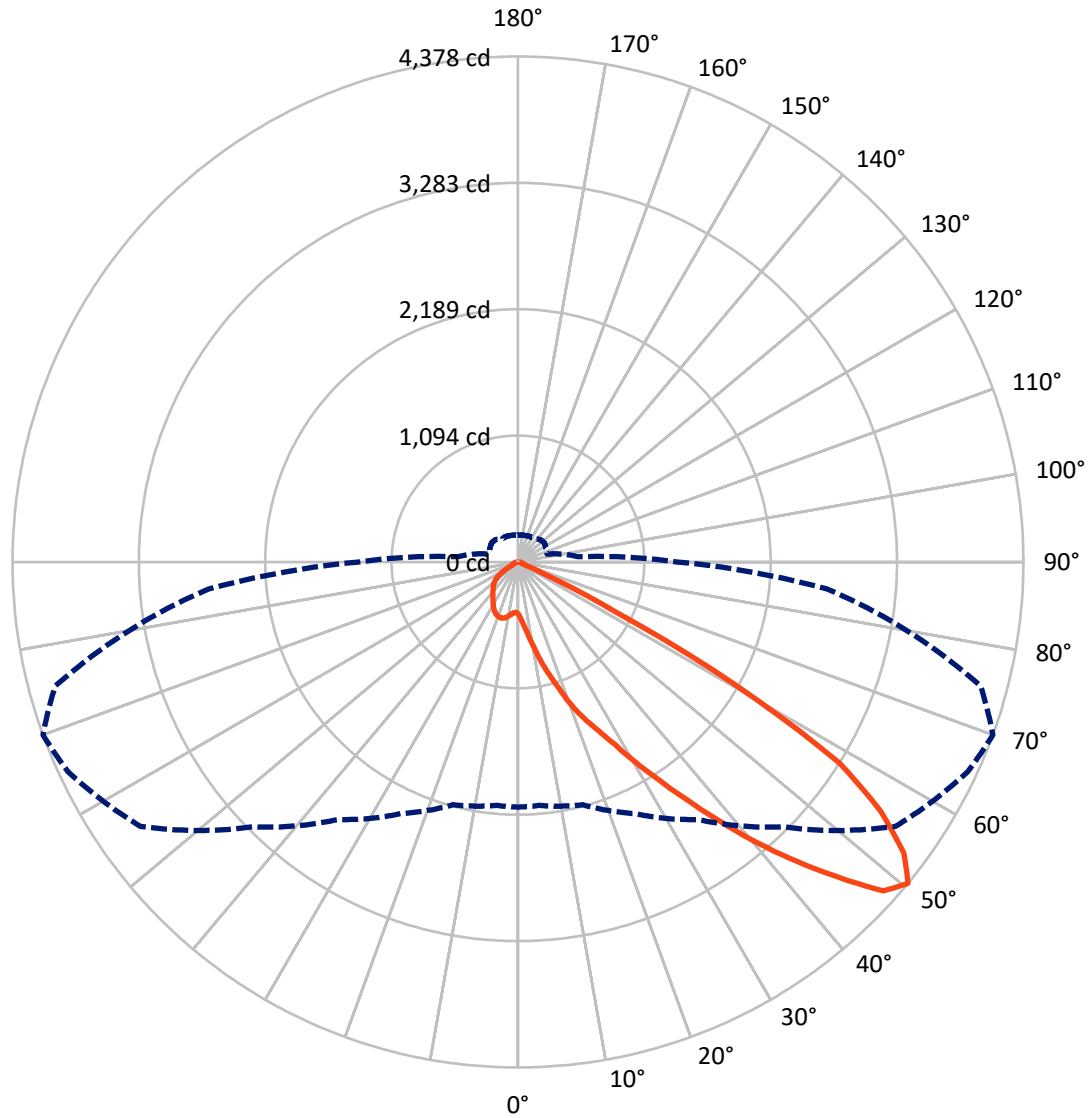
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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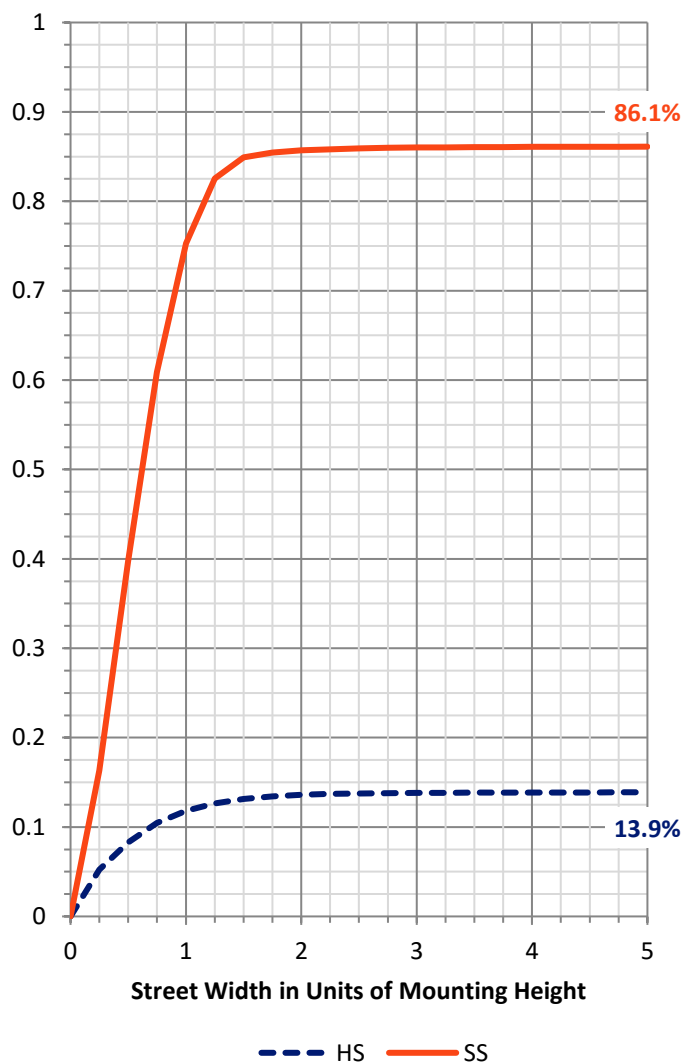
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	604.7	0.0	604.7
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	3725.3	0.0	3725.3
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	4330.0	0.0	4330.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.3	1.3
10°-20°	252.3	5.8
20°-30°	529.2	12.2
30°-40°	912.2	21.1
40°-50°	1333.2	30.8
50°-60°	1038.4	24.0
60°-70°	175.9	4.1
70°-80°	24.2	0.6
80°-90°	6.3	0.1
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°	4330.0	100.0
0°-180°	4330.0	100.0

**Coefficient of Utilization**



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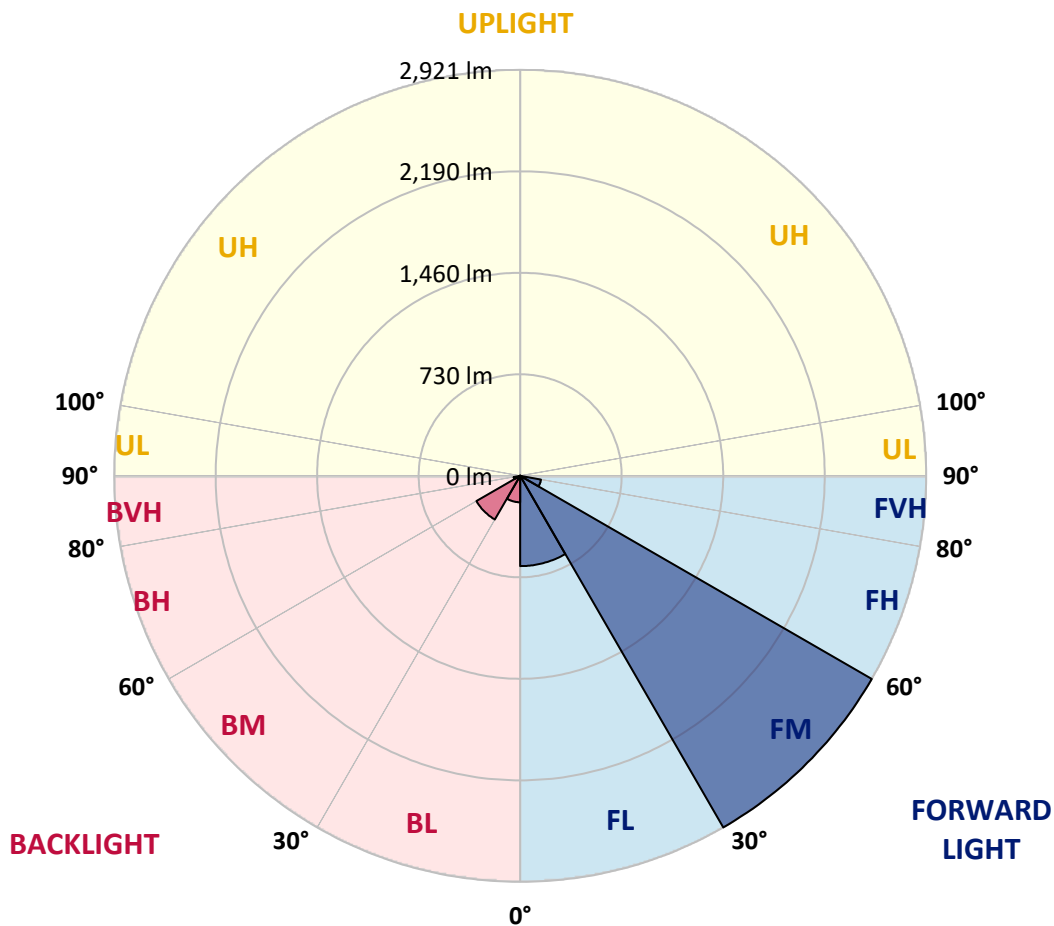
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.6	15.0			
FM (30°-60°)	2920.5	67.4			
FH (60°-80°)	152.3	3.5			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	190.3	4.4	B1/500		
BM (30°-60°)	363.3	8.4	B1/1000		
BH (60°-80°)	47.8	1.1	B0/110		G0/110
BVH (80°-90°)	3.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5
2.5°	587.3	583.1	573.8	556.7	549.6	532.5	522.5	503.3	491.2	477.7	462.7
5°	827.2	805.2	791.6	772.4	716.2	681.3	623.6	574.5	551.7	526.8	492.6
7.5°	1075.0	1060.7	1042.2	1000.9	962.5	889.9	790.9	682.7	636.4	593.7	526.1
10°	1280.0	1240.1	1238.0	1207.4	1165.4	1078.5	959.7	825.1	742.5	679.9	573.8
12.5°	1423.1	1386.8	1403.2	1399.6	1360.5	1280.7	1143.3	965.3	879.2	781.7	622.9
15°	1553.4	1538.4	1533.5	1529.2	1513.5	1454.4	1331.3	1136.2	1011.6	894.2	678.4
17.5°	1680.8	1642.4	1660.9	1664.4	1663.0	1609.6	1494.3	1298.5	1151.9	1013.0	736.8
20°	1794.0	1797.6	1772.7	1767.7	1763.4	1761.3	1648.8	1459.4	1324.2	1137.6	813.0
22.5°	1939.2	1914.3	1936.4	1922.2	1894.4	1877.3	1791.2	1601.8	1473.7	1287.8	890.6
25°	2110.8	2130.7	2078.8	2073.1	2042.5	1983.4	1905.8	1761.3	1617.5	1427.4	974.6
27.5°	2322.2	2287.4	2273.8	2242.5	2187.0	2162.1	2070.9	1925.7	1791.2	1574.0	1055.8
30°	2503.8	2494.5	2426.9	2389.9	2341.5	2340.8	2213.3	2148.5	2017.6	1804.0	1167.5
32.5°	2651.9	2611.3	2586.4	2560.7	2521.6	2532.3	2424.8	2390.6	2258.9	2017.6	1299.2
35°	2750.8	2721.6	2706.7	2667.5	2656.1	2703.8	2659.0	2644.7	2536.5	2318.0	1453.7
37.5°	2782.1	2791.4	2788.5	2739.4	2763.6	2892.5	2950.2	2913.1	2856.2	2634.8	1621.0
40°	2809.9	2816.3	2802.1	2859.7	2928.8	3075.4	3284.0	3222.8	3201.5	2955.8	1853.8
42.5°	2825.6	2820.6	2820.6	2920.3	3024.9	3319.6	3606.5	3566.0	3549.6	3297.6	2122.9
45°	2757.9	2709.5	2761.5	2896.8	3107.5	3439.9	3864.2	3920.5	3897.0	3704.1	2437.6
47.5°	2505.2	2535.1	2564.3	2745.1	3007.1	3402.9	4022.3	4213.8	4257.2	4045.8	2644.0
50°	2122.9	2116.5	2177.0	2404.8	2723.1	3243.5	3991.7	4298.5	4377.5	4148.3	2687.5
52.5°	1544.1	1591.1	1656.6	1883.0	2260.3	2830.6	3596.6	4080.0	4185.3	4022.3	2659.0
55°	899.1	847.2	994.5	1186.0	1542.0	2135.0	3040.6	3616.5	3811.6	3793.1	2515.2
57.5°	360.2	348.8	399.4	538.2	804.5	1323.4	2211.2	2971.5	3284.0	3474.1	2210.5
60°	158.0	154.5	181.5	219.3	328.9	610.1	1209.5	1848.1	2174.2	2427.6	1521.3
62.5°	113.9	112.5	126.0	139.5	173.7	265.5	508.3	744.7	928.3	1121.3	681.3
65°	91.8	95.4	104.7	111.8	128.1	147.4	179.4	207.2	254.2	263.4	150.2
67.5°	74.8	77.6	86.1	94.0	96.8	79.7	82.6	72.6	72.6	64.8	52.0
70°	54.8	55.5	65.5	74.8	59.8	32.0	56.2	56.2	50.5	48.4	44.1
72.5°	40.6	41.3	49.1	46.3	23.5	19.9	41.3	45.6	41.3	39.2	35.6
75°	29.9	30.6	25.6	10.7	10.0	12.8	24.2	31.3	29.9	29.2	27.1
77.5°	5.7	4.3	3.6	5.0	7.1	10.7	15.7	19.2	19.9	21.4	19.9
80°	0.7	0.7	2.1	4.3	7.8	11.4	16.4	18.5	19.2	19.9	18.5
82.5°	0.0	0.7	2.1	4.3	7.8	10.7	14.2	16.4	17.8	18.5	17.8
85°	0.0	0.7	1.4	3.6	6.4	7.8	7.1	5.0	4.3	5.0	3.6
87.5°	0.0	0.0	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5
2.5°	454.2	451.4	441.4	430.7	421.5	425.7	421.5	417.9	419.3	417.9	416.5
5°	479.1	466.3	444.9	435.7	427.9	427.1	425.0	424.3	425.0	425.0	418.6
7.5°	502.6	482.0	459.2	449.2	440.0	440.7	435.7	435.7	435.0	431.4	430.0
10°	538.2	510.4	481.3	463.5	452.1	449.9	444.9	440.0	440.0	440.0	432.8
12.5°	577.4	542.5	502.6	482.0	468.4	457.8	449.9	448.5	440.7	439.2	435.7
15°	611.5	567.4	516.8	488.4	471.3	457.0	444.9	437.1	433.6	431.4	428.6
17.5°	645.0	588.7	524.7	488.4	469.9	453.5	440.7	433.6	425.0	426.4	420.7
20°	689.8	611.5	526.8	479.1	456.3	440.7	423.6	420.0	415.0	410.8	412.2
22.5°	733.3	627.9	520.4	467.7	435.0	416.5	407.9	403.7	401.5	398.0	393.0
25°	772.4	645.7	510.4	447.1	412.2	398.7	390.8	390.1	385.1	385.1	375.9
27.5°	812.3	652.1	493.4	422.9	392.3	384.4	380.9	379.4	377.3	372.3	365.9
30°	857.9	654.2	468.4	398.0	374.5	365.9	370.9	374.5	365.2	356.0	358.8
32.5°	895.6	649.3	438.5	374.5	361.6	357.4	367.3	370.9	360.2	350.3	345.3
35°	941.1	637.2	409.3	356.0	348.8	357.4	365.9	365.9	344.6	332.5	329.6
37.5°	1010.2	623.6	382.3	340.3	335.3	353.1	364.5	356.7	323.2	308.3	304.7
40°	1084.2	615.1	356.0	324.6	328.2	346.0	352.4	328.2	294.0	284.8	281.9
42.5°	1191.7	598.0	332.5	311.1	321.8	336.0	336.0	292.6	279.8	274.8	274.1
45°	1325.6	585.9	311.8	299.7	312.5	316.1	304.7	274.1	264.8	263.4	264.1
47.5°	1391.1	562.4	290.5	286.2	295.4	296.2	266.3	259.1	251.3	249.2	247.7
50°	1381.1	520.4	262.7	268.4	281.2	274.1	242.8	244.2	237.1	236.4	232.8
52.5°	1311.3	454.2	234.9	248.5	262.7	242.0	223.5	222.1	222.1	212.9	209.3
55°	1162.5	365.9	201.5	218.6	235.6	203.6	198.6	197.2	193.6	185.1	183.0
57.5°	920.5	268.4	151.6	170.1	200.0	173.0	172.3	165.9	156.6	150.2	150.2
60°	547.5	154.5	95.4	103.9	132.4	140.2	155.9	153.1	137.4	127.4	124.6
62.5°	249.9	79.7	60.5	61.9	71.2	91.1	122.4	141.7	119.6	102.5	101.1
65°	84.0	59.1	49.8	47.7	49.1	54.8	73.3	100.4	95.4	79.0	76.2
67.5°	51.3	52.7	47.0	43.4	43.4	42.7	42.0	45.6	56.2	54.8	55.5
70°	44.1	48.4	43.4	39.2	37.7	35.6	29.9	24.9	21.4	24.9	26.3
72.5°	35.6	38.4	37.0	33.5	29.9	27.1	21.4	16.4	12.1	10.7	10.7
75°	26.3	28.5	29.9	25.6	22.8	19.2	15.7	10.7	6.4	4.3	4.3
77.5°	19.2	21.4	22.1	19.9	17.1	13.5	10.0	7.1	3.6	1.4	1.4
80°	16.4	19.2	21.4	19.9	17.8	12.8	9.3	5.0	2.8	0.7	0.7
82.5°	15.7	19.2	21.4	19.2	17.1	12.1	9.3	5.7	2.1	0.7	0.7
85°	3.6	5.0	6.4	7.8	9.3	9.3	7.1	4.3	2.1	0.7	0.7
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	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)