

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: P322265

Luminaire Tested: **GAN-SA1A-750-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322265  
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 (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1A-750-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K, 615mA 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: 3555 lumens  
Efficiency: N/A  
Efficacy: 104.6 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

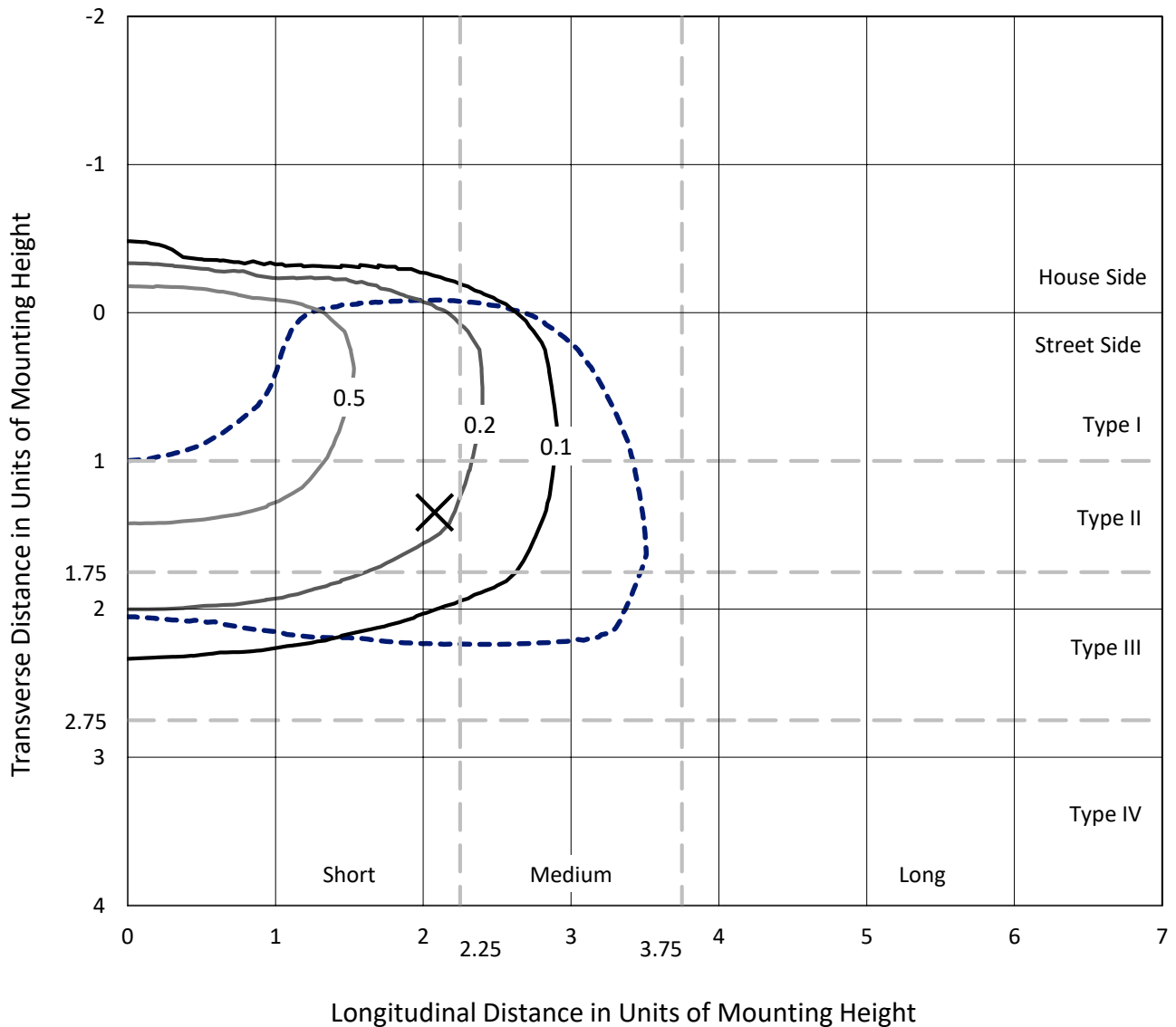
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

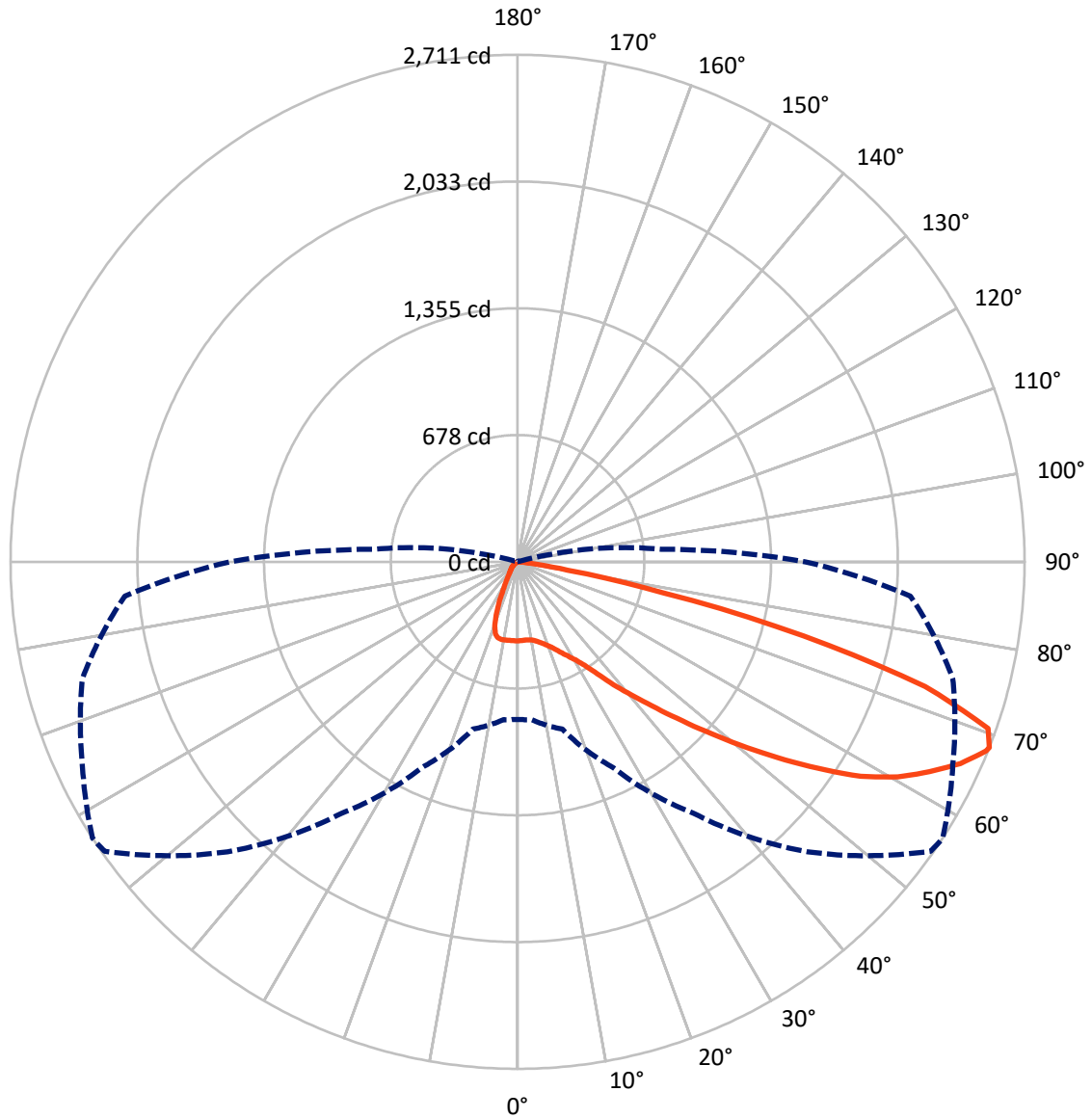
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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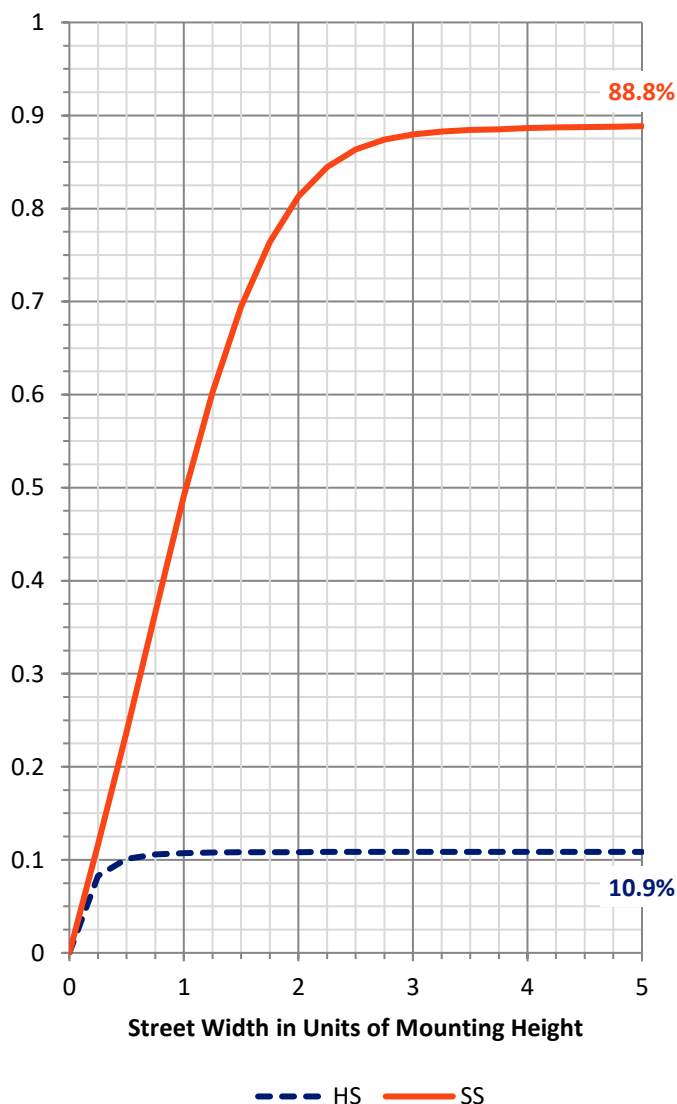
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	389.8	0.0	389.8
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	3165.2	0.0	3165.2
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	3555.0	0.0	3555.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.5	1.1
10°-20°	109.5	3.1
20°-30°	189.0	5.3
30°-40°	326.2	9.2
40°-50°	557.9	15.7
50°-60°	892.6	25.1
60°-70°	1031.3	29.0
70°-80°	394.1	11.1
80°-90°	14.8	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°	3555.0	100.0
0°-180°	3555.0	100.0

**Coefficient of Utilization**



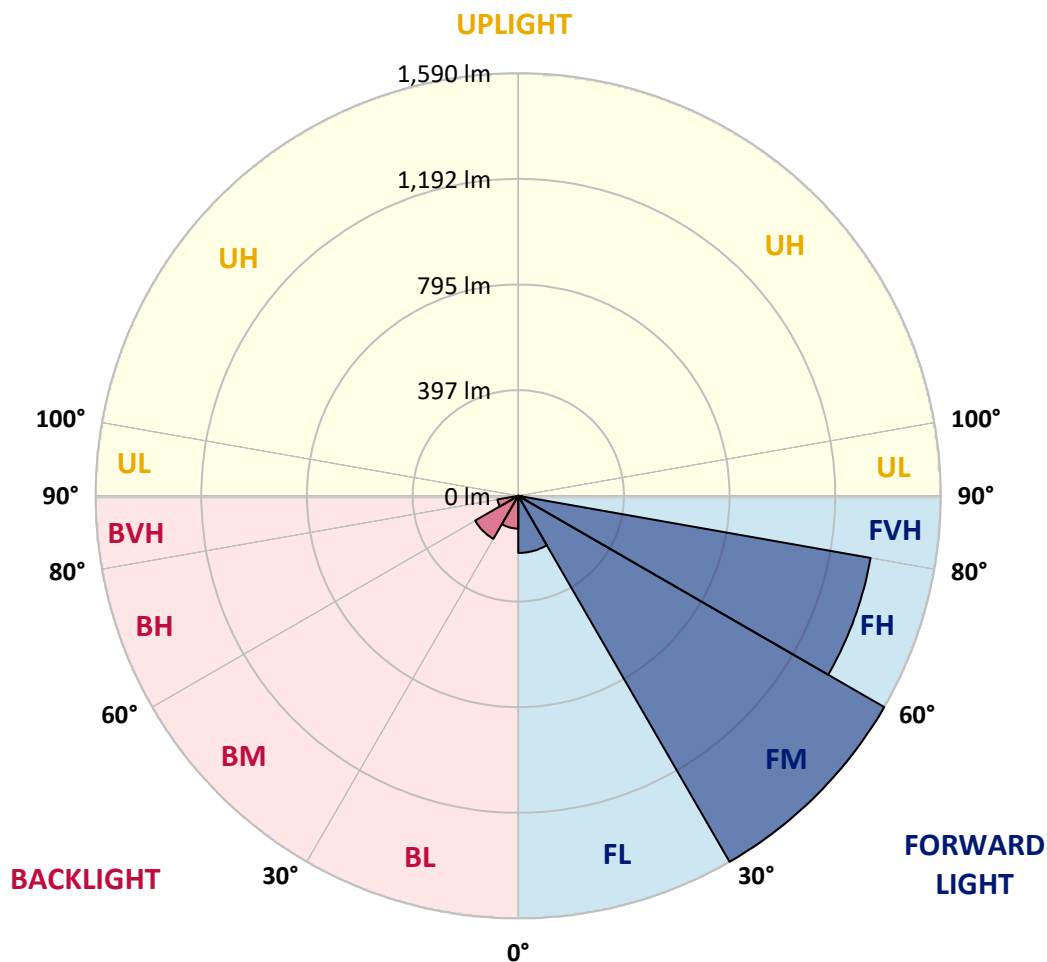
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.9	6.0			
FM (30°-60°)	1589.8	44.7			
FH (60°-80°)	1346.0	37.9			G1/1800
FVH (80°-90°)	14.5	0.4			G1/100
BL (0°-30°)	123.2	3.5	B1/500		
BM (30°-60°)	187.0	5.3	B0/220		
BH (60°-80°)	79.4	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°	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4
2.5°	412.5	414.4	415.7	416.5	417.6	419.7	420.4	421.4	421.9	421.9	423.1
5°	396.2	398.2	401.1	403.4	408.1	414.2	418.6	420.2	423.3	426.0	427.5
7.5°	381.1	383.4	386.8	392.3	400.4	410.2	419.2	421.6	427.5	433.2	436.0
10°	371.3	373.2	377.5	385.4	396.0	409.7	422.4	425.3	435.4	445.0	450.3
12.5°	368.0	369.6	374.2	383.1	396.2	412.2	429.8	434.0	448.8	462.8	470.3
15°	372.8	373.2	378.1	386.5	399.4	418.4	442.1	447.1	465.8	484.0	493.4
17.5°	391.7	390.2	392.7	396.4	406.6	426.6	455.0	462.6	487.5	508.8	517.7
20°	438.7	438.7	433.0	422.9	423.1	439.4	472.5	481.1	511.5	536.2	544.3
22.5°	519.3	517.7	506.3	481.6	458.9	461.4	493.9	505.0	540.4	566.8	569.5
25°	616.1	614.2	596.6	561.8	522.4	497.1	522.8	535.6	574.9	598.3	592.7
27.5°	718.6	717.1	699.6	656.4	600.4	553.9	557.2	569.3	610.0	633.1	615.4
30°	818.0	818.5	801.2	756.8	693.4	626.3	600.9	608.0	644.1	667.5	642.3
32.5°	912.4	913.1	898.1	848.6	789.4	710.5	661.5	659.6	683.8	706.8	677.9
35°	996.6	998.3	988.1	949.6	886.9	804.3	740.0	735.6	740.1	766.2	732.6
37.5°	1077.8	1078.8	1071.1	1038.7	986.2	907.4	839.1	832.9	823.2	843.2	804.7
40°	1166.8	1164.2	1155.3	1125.9	1080.9	1021.2	945.7	935.0	918.0	935.8	899.5
42.5°	1249.5	1246.6	1248.1	1214.8	1176.8	1138.2	1069.9	1051.4	1041.5	1062.0	1015.8
45°	1352.8	1351.3	1356.4	1327.5	1296.7	1268.6	1212.3	1192.1	1187.8	1211.8	1156.5
47.5°	1454.9	1458.6	1474.2	1461.9	1449.5	1424.8	1363.1	1354.0	1356.7	1385.8	1304.9
50°	1539.9	1544.3	1587.2	1601.3	1619.3	1604.8	1543.0	1537.4	1548.0	1574.2	1464.6
52.5°	1601.5	1610.4	1663.7	1728.7	1794.3	1804.0	1742.3	1737.3	1751.6	1755.6	1588.0
55°	1644.2	1652.1	1712.4	1831.4	1964.9	2006.9	1968.6	1949.1	1946.4	1906.6	1717.8
57.5°	1651.7	1650.9	1737.6	1897.8	2098.7	2207.1	2182.9	2163.7	2108.6	2046.1	1866.5
60°	1609.0	1613.9	1714.6	1920.8	2182.7	2358.6	2360.4	2335.5	2249.6	2181.7	2010.8
62.5°	1477.6	1497.4	1599.1	1860.5	2181.7	2419.6	2490.5	2471.5	2368.8	2292.8	2157.0
65°	1264.4	1271.5	1368.5	1653.7	2034.3	2394.0	2607.7	2600.6	2476.2	2400.8	2232.2
67.5°	923.4	908.1	1009.9	1302.2	1722.3	2245.1	2691.7	2700.6	2559.1	2422.9	2152.1
68°	842.7	847.2	926.6	1215.3	1640.6	2192.5	2697.3	2710.9	2567.3	2408.5	2108.4
70°	502.3	511.0	581.8	836.8	1248.1	1894.8	2637.4	2668.5	2518.3	2259.4	1823.7
72.5°	128.3	138.7	205.6	374.5	712.9	1335.0	2226.4	2279.1	2186.4	1832.9	1231.1
75°	52.8	55.5	73.5	123.4	265.6	601.5	1467.5	1580.1	1515.7	1097.3	556.4
77.5°	36.5	38.3	47.2	68.4	115.0	203.9	719.5	800.8	721.5	374.5	121.4
80°	26.2	27.7	33.8	45.6	66.1	72.8	234.5	271.1	215.3	82.2	30.1
82.5°	15.6	16.8	25.2	32.4	40.2	34.8	58.3	66.2	62.4	40.8	13.4
85°	7.7	9.1	17.0	23.2	21.7	14.6	17.8	19.8	24.5	24.9	7.2
87.5°	0.5	1.0	9.9	14.0	6.1	3.4	5.2	6.4	8.7	12.3	3.0
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°	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4	422.4
2.5°	423.6	423.8	422.6	422.1	422.4	420.4	419.6	419.9	419.9	420.4	419.6
5°	427.8	427.8	425.8	423.1	421.6	417.7	415.2	414.5	414.0	413.7	413.0
7.5°	436.9	435.9	432.3	426.5	421.4	413.0	406.6	403.3	401.6	400.9	400.4
10°	451.5	449.7	443.8	432.8	421.3	406.3	392.3	382.4	374.2	370.8	368.8
12.5°	471.2	468.5	458.6	440.4	420.1	392.5	362.2	333.2	306.1	295.0	289.5
15°	493.9	490.0	474.4	446.8	413.2	361.4	295.7	244.7	207.3	193.1	187.1
17.5°	516.9	511.9	488.2	450.8	392.5	297.0	207.4	156.7	131.6	124.9	122.5
20°	540.1	532.7	500.1	447.8	345.8	214.2	136.8	114.5	107.2	105.2	104.6
22.5°	562.1	550.7	510.8	436.0	273.8	143.7	108.3	101.2	98.8	97.7	97.3
25°	581.3	565.3	520.3	399.7	193.8	108.6	97.5	95.1	92.1	89.9	90.1
27.5°	599.3	579.9	526.0	339.9	129.3	92.8	90.3	87.1	81.5	78.3	78.3
30°	621.0	599.4	530.2	261.6	95.1	82.0	80.0	75.1	67.6	63.4	63.4
32.5°	653.6	629.0	527.5	183.6	78.8	72.1	67.4	60.7	52.4	48.4	48.2
35°	703.5	674.7	508.3	120.4	69.6	62.7	55.1	46.9	39.7	36.3	36.1
37.5°	770.7	735.9	465.3	86.1	62.4	54.0	44.9	35.8	30.4	28.2	28.1
40°	858.0	807.0	403.8	69.8	55.6	45.6	34.6	27.7	24.0	22.4	22.5
42.5°	962.7	883.2	330.0	60.2	49.1	37.5	27.1	21.9	19.5	18.3	18.0
45°	1079.0	958.3	252.6	53.6	42.5	30.3	21.2	17.3	15.5	14.8	14.8
47.5°	1206.9	1031.4	184.9	47.9	35.5	23.4	17.0	14.1	12.6	12.1	11.9
50°	1323.1	1082.2	133.3	41.9	29.1	18.5	13.8	11.8	10.8	10.1	10.1
52.5°	1419.9	1098.2	98.2	35.3	23.5	14.8	11.4	10.1	9.1	8.6	8.6
55°	1505.1	1091.6	73.0	29.1	19.0	12.1	9.7	8.6	7.7	7.2	7.2
57.5°	1586.8	1070.4	54.5	23.7	15.3	9.7	8.2	7.2	6.4	6.1	6.1
60°	1653.6	1035.1	40.5	19.2	12.3	7.9	6.9	5.9	5.2	4.7	4.7
62.5°	1707.7	996.1	29.8	15.8	9.7	6.2	5.4	4.9	3.9	3.4	3.4
65°	1708.0	931.4	22.4	13.1	7.6	4.9	4.0	3.9	2.5	2.0	1.8
67.5°	1584.5	803.0	17.1	11.3	5.9	3.7	3.0	3.2	1.3	0.8	0.7
68°	1539.6	770.4	16.1	11.1	5.5	3.5	2.9	3.2	1.2	0.7	0.5
70°	1298.0	612.9	12.9	10.8	4.9	2.7	2.4	3.2	1.0	0.5	0.3
72.5°	830.2	355.7	9.6	8.6	3.7	2.0	1.5	2.9	1.0	0.3	0.2
75°	353.3	110.3	6.6	6.1	2.2	1.5	1.0	1.8	0.7	0.2	0.0
77.5°	74.5	24.9	3.9	3.7	1.5	1.0	0.7	0.5	0.2	0.0	0.0
80°	19.2	7.2	2.0	1.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0
82.5°	6.1	2.9	1.2	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	1.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.5	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)