

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: P323165

Luminaire Tested: **GAN-SA1C-730-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-730-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5585 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

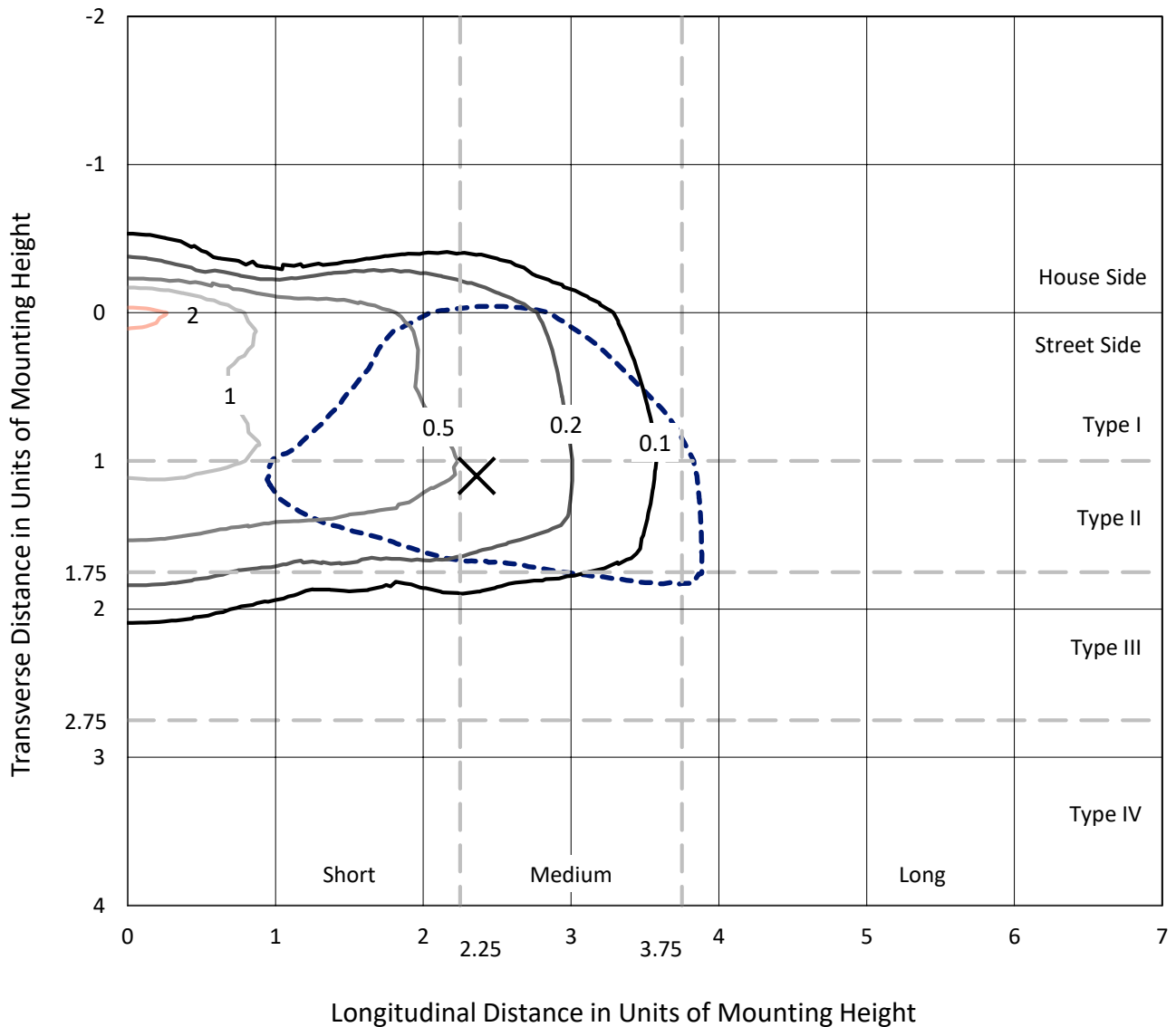
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

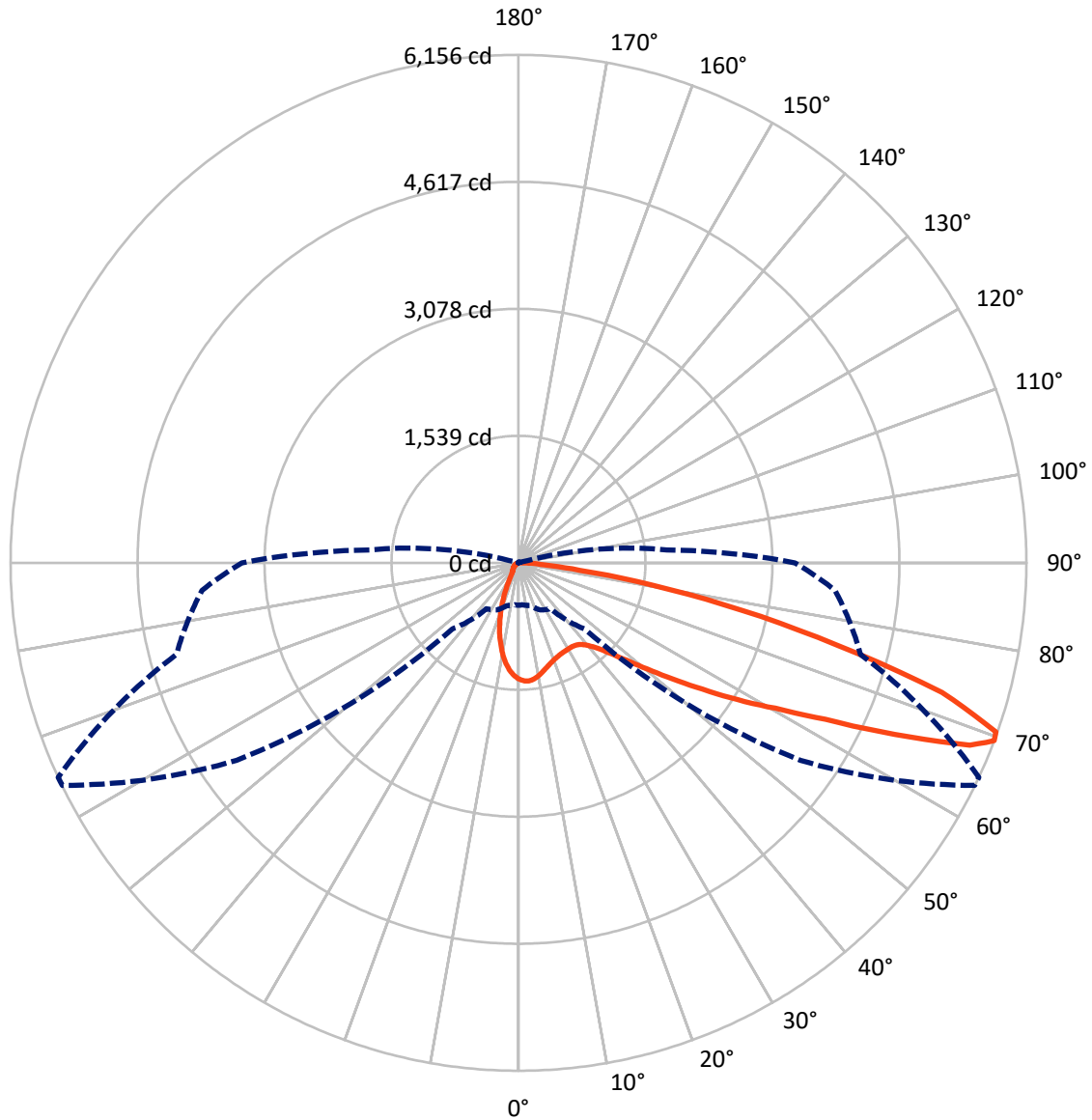
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	658.3	0.0	658.3
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4926.7	0.0	4926.7
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	5585.0	0.0	5585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.0	2.1
10°-20°	258.3	4.6
20°-30°	357.8	6.4
30°-40°	498.9	8.9
40°-50°	775.5	13.9
50°-60°	1244.9	22.3
60°-70°	1408.2	25.2
70°-80°	827.1	14.8
80°-90°	96.2	1.7
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°	5585.0	100.0
0°-180°	5585.0	100.0

**Coefficient of Utilization**

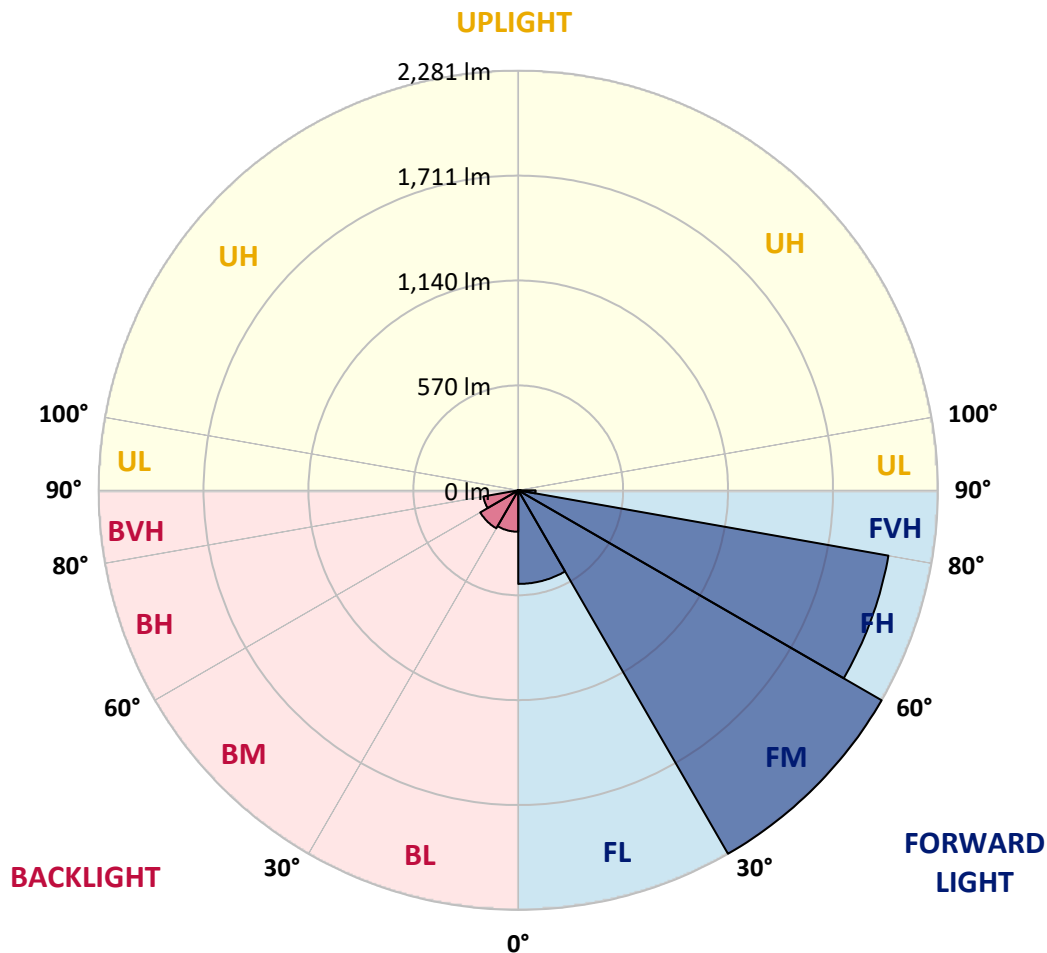


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.9	9.1			
FM (30°-60°)	2280.8	40.8			
FH (60°-80°)	2042.9	36.6			G2/5000
FVH (80°-90°)	94.0	1.7			G1/100
BL (0°-30°)	225.3	4.0	B1/500		
BM (30°-60°)	238.6	4.3	B1/1000		
BH (60°-80°)	192.4	3.4	B1/500		G1/500
BVH (80°-90°)	2.2	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3
2.5°	1423.9	1420.3	1423.2	1429.3	1432.4	1432.4	1434.7	1431.9	1432.8	1426.0	1416.1
5°	1334.8	1329.3	1337.1	1354.4	1375.7	1393.9	1420.8	1435.0	1436.4	1436.6	1425.0
7.5°	1238.8	1233.9	1245.4	1265.8	1293.2	1327.0	1374.0	1415.1	1417.5	1439.7	1431.2
10°	1160.8	1157.3	1170.8	1192.5	1224.6	1262.5	1320.1	1377.3	1384.2	1433.3	1430.2
12.5°	1098.9	1096.1	1108.8	1133.9	1166.7	1208.6	1268.8	1335.2	1344.5	1418.9	1425.5
15°	1053.8	1053.3	1063.9	1088.0	1124.4	1163.4	1225.1	1296.2	1306.9	1403.3	1424.8
17.5°	1030.1	1030.9	1038.7	1059.2	1090.4	1129.2	1188.2	1263.4	1275.0	1389.4	1428.4
20°	1027.8	1028.5	1032.7	1044.3	1069.6	1103.9	1158.2	1235.7	1247.8	1379.0	1434.0
22.5°	1048.6	1048.1	1049.3	1048.1	1062.3	1088.3	1138.4	1214.5	1228.4	1372.1	1438.5
25°	1088.5	1087.8	1087.3	1078.6	1069.1	1083.1	1130.1	1202.4	1215.7	1367.1	1441.1
27.5°	1144.1	1143.6	1142.9	1128.5	1100.1	1091.4	1131.1	1197.9	1209.0	1363.1	1440.6
30°	1217.1	1220.4	1219.4	1199.4	1155.2	1116.6	1141.0	1195.6	1205.3	1355.3	1435.7
32.5°	1302.9	1309.5	1314.7	1293.2	1237.9	1166.7	1163.9	1198.2	1205.3	1349.4	1426.7
35°	1392.0	1400.5	1419.6	1412.0	1339.3	1242.1	1203.4	1213.8	1219.7	1352.7	1422.4
37.5°	1479.6	1489.8	1531.4	1553.4	1472.1	1341.9	1264.8	1252.3	1255.4	1372.8	1427.2
40°	1581.5	1596.9	1660.0	1695.4	1630.6	1475.4	1356.7	1318.5	1319.6	1417.0	1449.2
42.5°	1715.3	1731.1	1799.4	1854.9	1809.3	1644.1	1481.5	1419.6	1418.4	1499.7	1500.9
45°	1878.3	1894.9	1965.5	2027.2	2006.6	1844.1	1641.3	1567.3	1565.9	1630.2	1599.0
47.5°	2063.1	2079.4	2142.5	2206.1	2228.3	2077.5	1844.8	1768.9	1765.6	1811.4	1750.5
50°	2221.7	2232.3	2290.5	2376.0	2476.2	2364.4	2097.9	2024.8	2021.3	2052.3	1972.9
52.5°	2279.4	2285.5	2344.6	2464.4	2714.4	2753.0	2430.4	2336.3	2333.7	2347.2	2269.0
55°	2162.6	2173.7	2246.3	2424.0	2843.5	3192.1	2850.1	2722.0	2702.4	2673.3	2578.6
57.5°	1844.5	1862.2	1940.2	2176.6	2783.2	3540.4	3466.9	3158.3	3129.4	2951.7	2830.2
60°	1382.0	1403.8	1468.5	1723.5	2461.6	3664.5	4140.9	3644.4	3579.4	3173.4	3061.6
62.5°	948.4	959.2	1003.2	1169.3	1812.9	3461.2	4704.8	4295.5	4176.8	3414.4	3311.9
65°	724.3	728.1	746.1	803.3	1079.5	2811.6	4929.1	5154.5	5011.1	3702.8	3571.6
67.5°	583.7	580.7	605.5	687.2	722.9	1715.3	4667.4	5967.2	5900.1	4088.2	3833.0
69°	514.7	510.5	535.8	630.8	679.0	1133.9	4172.6	6151.8	6156.1	4291.7	3850.9
70°	463.2	466.0	491.1	597.2	664.1	890.0	3699.9	6104.8	6138.3	4367.8	3743.2
72.5°	309.4	316.9	367.3	495.8	638.6	673.5	2234.0	5238.6	5367.7	4196.4	3211.4
75°	174.4	180.1	239.9	373.9	601.7	641.4	1180.0	3859.4	3984.2	3509.2	2476.5
77.5°	85.6	88.6	135.7	241.3	503.1	611.1	669.3	2621.6	2764.1	2290.5	1400.7
80°	36.2	37.8	67.8	148.9	359.7	583.3	497.0	1613.4	1631.1	897.3	373.2
82.5°	13.9	14.4	28.6	92.9	228.5	454.7	415.7	765.0	746.6	169.0	85.1
85°	1.7	1.9	10.4	55.8	127.1	234.0	337.7	329.7	305.1	33.6	43.7
87.5°	0.0	0.0	0.7	17.0	37.8	109.7	175.6	136.8	123.4	10.9	22.7
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°	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3
2.5°	1407.8	1405.4	1392.7	1374.2	1356.7	1335.0	1314.2	1301.7	1291.8	1285.1	1292.9
5°	1411.6	1401.2	1362.4	1312.8	1264.1	1209.3	1158.2	1115.0	1098.0	1079.1	1087.6
7.5°	1410.4	1390.8	1321.1	1232.7	1143.3	1050.9	963.5	896.1	861.2	826.9	835.6
10°	1404.5	1371.4	1265.8	1134.8	1001.1	868.3	744.2	649.9	597.2	549.5	556.3
12.5°	1391.5	1345.4	1200.5	1022.8	843.9	668.8	523.5	402.7	337.9	309.4	312.9
15°	1383.7	1320.1	1131.5	909.4	676.1	465.8	320.0	238.0	208.4	199.0	200.2
17.5°	1379.9	1295.8	1060.2	779.6	504.6	296.6	206.8	182.4	176.1	174.4	174.9
20°	1376.1	1271.2	986.7	651.3	347.6	199.5	169.9	162.8	160.5	158.3	158.8
22.5°	1369.7	1247.6	907.7	521.3	234.4	161.9	153.1	146.3	141.3	138.7	139.2
25°	1361.9	1222.8	827.1	388.3	171.1	144.4	136.1	126.4	120.5	115.8	116.0
27.5°	1349.4	1192.3	744.0	282.6	143.7	129.3	118.2	107.5	97.6	92.2	92.2
30°	1331.9	1157.8	651.6	202.3	128.8	114.4	100.9	87.7	77.0	72.1	71.6
32.5°	1312.6	1121.8	558.2	153.4	117.0	100.4	85.1	71.1	61.7	57.7	57.4
35°	1296.0	1083.1	465.1	128.6	105.2	87.0	70.2	58.4	50.8	47.5	47.3
37.5°	1285.4	1044.3	374.3	114.9	94.5	74.4	58.8	48.2	42.8	40.2	39.9
40°	1283.7	1015.5	291.4	104.5	84.6	63.3	49.2	40.9	35.9	33.1	32.8
42.5°	1305.2	999.0	223.6	95.7	74.4	53.6	41.8	35.0	29.8	26.9	26.7
45°	1361.7	1004.1	172.0	87.9	64.3	45.4	35.4	29.1	24.3	22.2	21.7
47.5°	1464.7	1040.1	136.8	80.1	54.6	38.5	30.2	24.1	20.1	18.0	17.7
50°	1648.1	1124.4	114.4	71.6	45.6	32.8	25.1	19.6	16.3	14.4	14.2
52.5°	1891.6	1274.7	102.1	63.3	37.8	27.9	20.6	15.6	12.8	11.3	11.1
55°	2160.0	1456.7	94.1	54.4	31.0	23.2	16.3	12.3	9.9	8.7	8.3
57.5°	2422.1	1614.3	86.5	45.6	25.8	18.9	13.0	9.7	7.8	6.6	6.4
60°	2662.9	1759.2	77.8	36.6	21.0	14.9	10.2	7.6	6.1	5.0	5.0
62.5°	2920.8	1871.2	65.7	28.6	17.3	11.3	8.3	6.9	5.0	4.3	4.0
65°	3193.9	1954.4	51.5	22.2	13.5	8.5	6.9	7.1	4.0	3.1	2.8
67.5°	3395.8	1937.9	38.0	17.5	10.4	6.6	6.6	7.6	3.5	2.4	2.1
69°	3351.3	1803.4	31.9	15.1	9.0	5.7	6.1	7.6	3.3	2.1	1.9
70°	3222.5	1654.5	28.1	13.5	8.0	5.2	5.9	7.3	3.1	2.1	1.9
72.5°	2683.7	1246.1	22.0	10.2	6.4	4.3	5.0	6.4	3.1	2.1	1.7
75°	2018.7	797.6	16.8	7.3	4.7	3.3	3.8	4.7	3.1	1.9	1.7
77.5°	1098.4	287.6	12.1	5.0	3.3	2.6	2.6	3.5	2.8	1.4	0.9
80°	282.4	72.3	7.6	3.3	2.6	1.9	1.7	2.4	1.7	0.2	0.0
82.5°	69.7	16.3	4.0	2.4	1.9	0.7	0.7	1.2	0.7	0.0	0.0
85°	38.3	8.0	2.6	1.7	0.9	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	19.6	2.4	0.7	0.5	0.2	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)