

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: P323805

Luminaire Tested: **GAN-SA1C-730-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-730-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5475 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

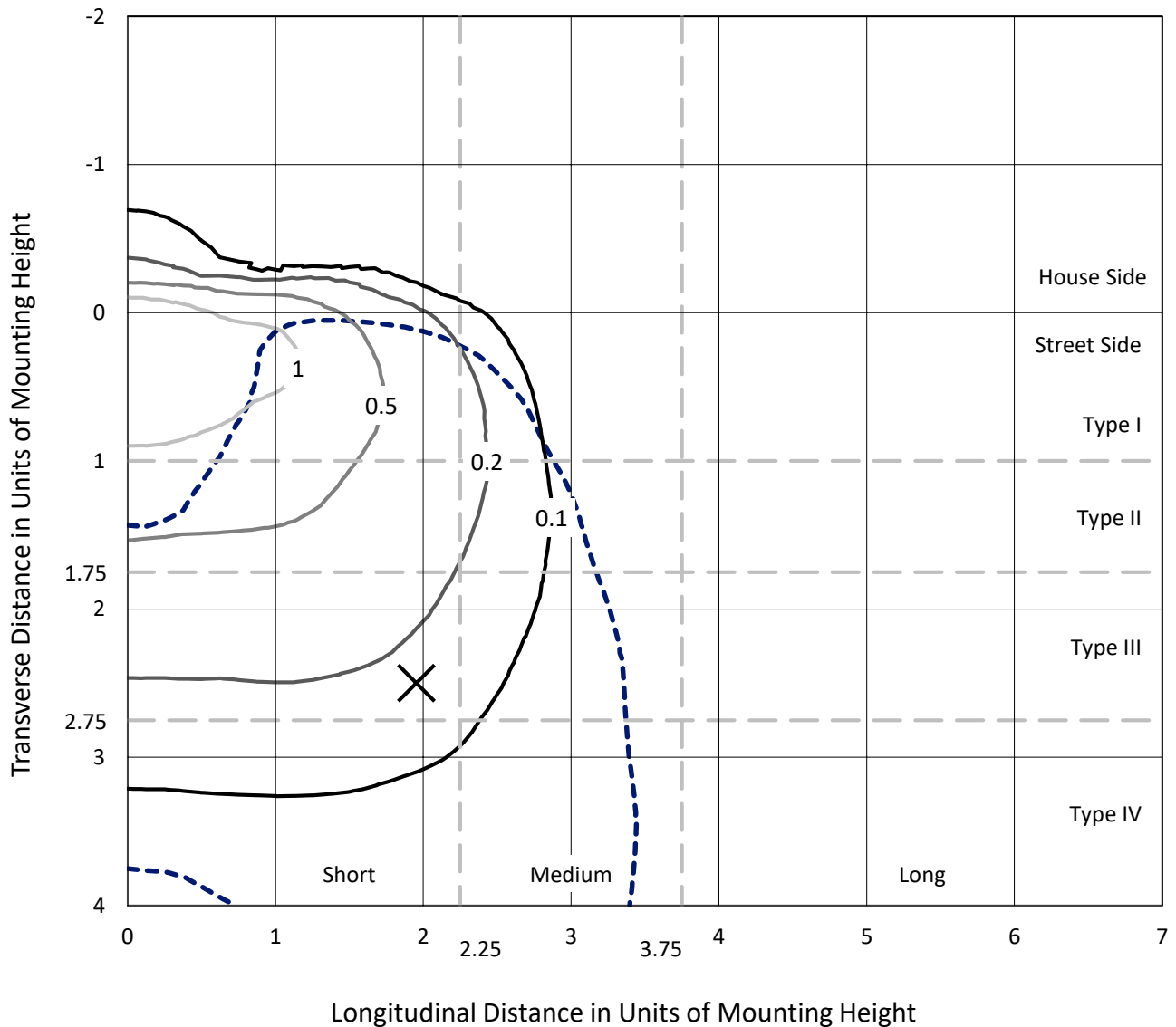
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323805  
 CATALOG NUMBER: GAN-SA1C-730-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

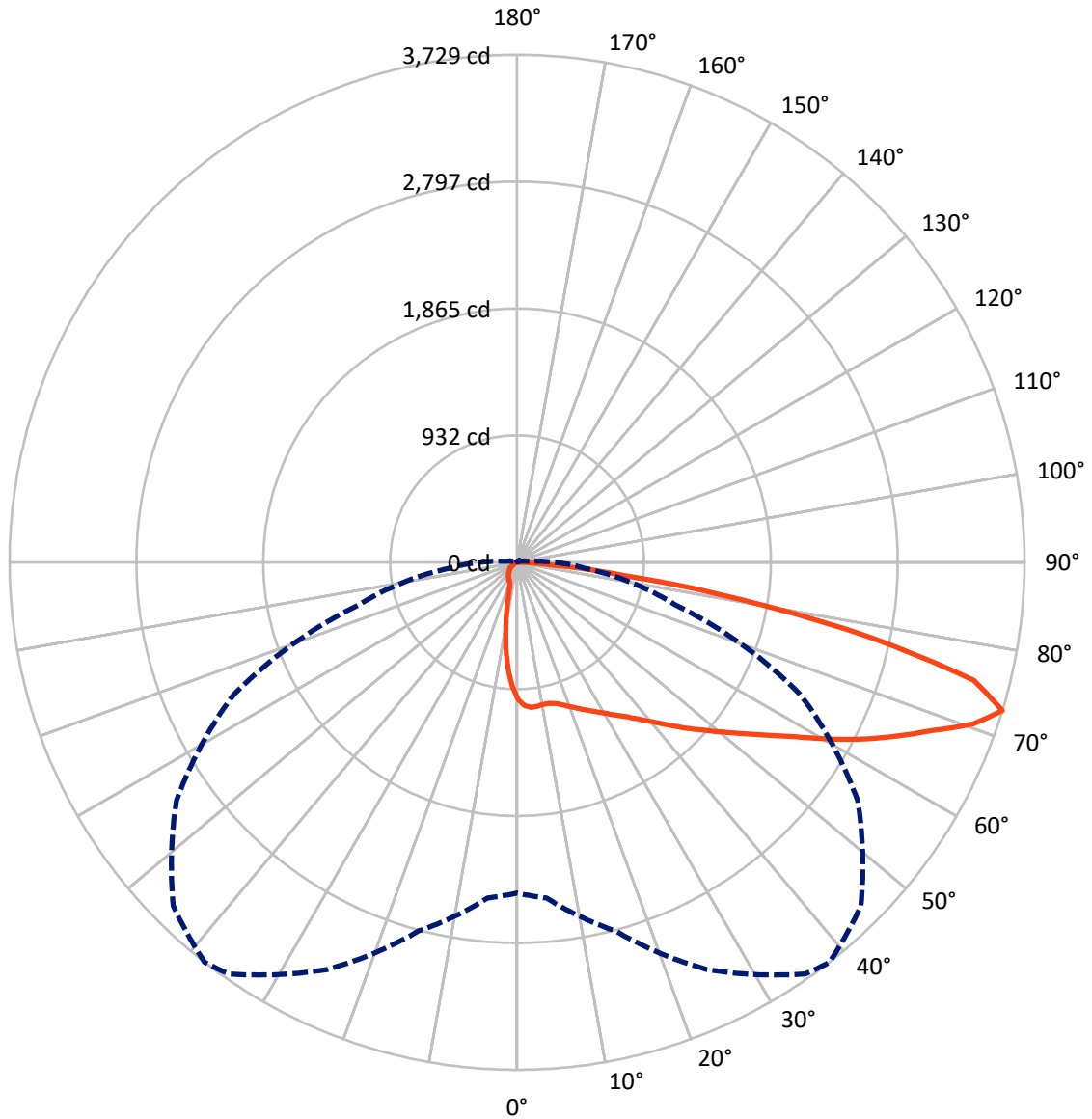
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P323805  
CATALOG NUMBER: GAN-SA1C-730-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P323805  
 CATALOG NUMBER: GAN-SA1C-730-U-SL4-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	460.7	0.0	460.7
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	5014.3	0.0	5014.3
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	5475.0	0.0	5475.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.8	1.6
10°-20°	209.8	3.8
20°-30°	333.7	6.1
30°-40°	501.7	9.2
40°-50°	765.3	14.0
50°-60°	1081.7	19.8
60°-70°	1356.8	24.8
70°-80°	1014.5	18.5
80°-90°	125.8	2.3
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°	5475.0	100.0
0°-180°	5475.0	100.0

**Coefficient of Utilization**

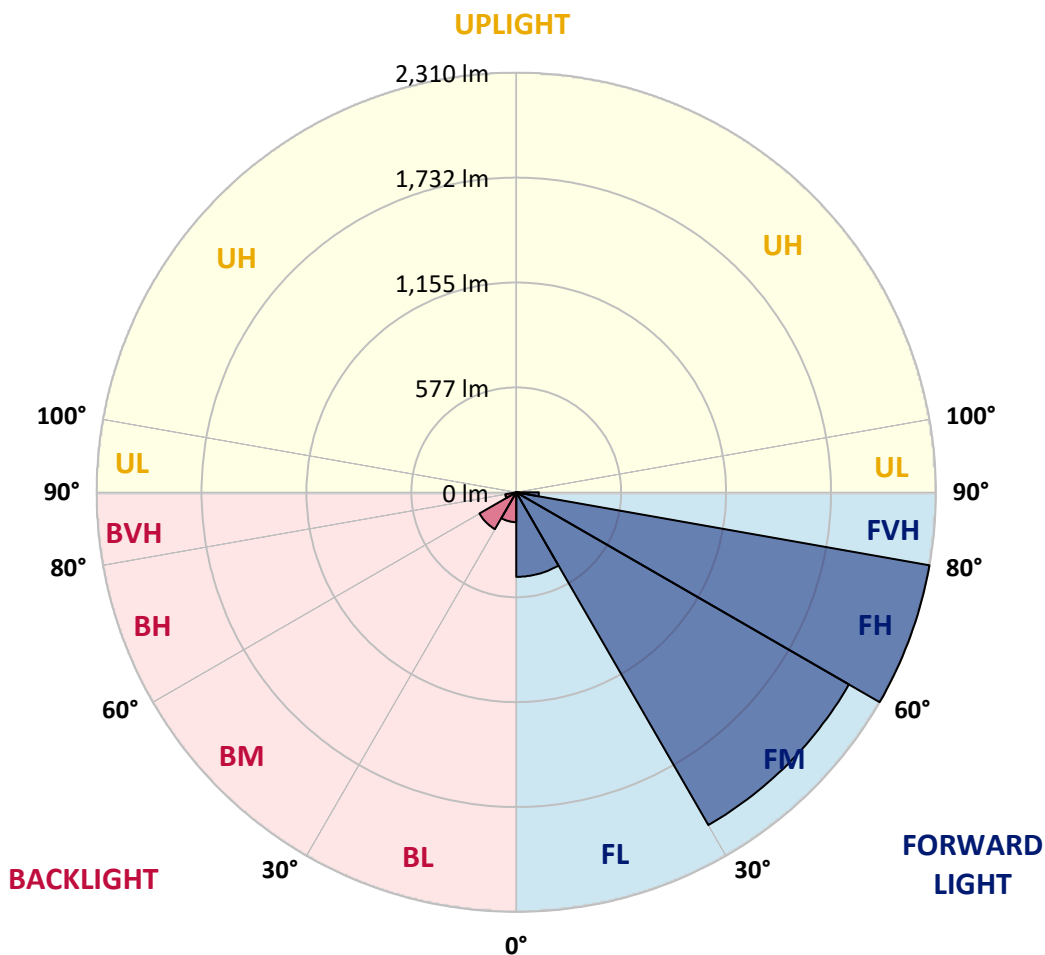


REPORT NUMBER: P323805  
 CATALOG NUMBER: GAN-SA1C-730-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.2	8.5			
FM (30°-60°)	2114.7	38.6			
FH (60°-80°)	2309.7	42.2			G2/5000
FVH (80°-90°)	124.6	2.3			G2/225
BL (0°-30°)	164.1	3.0	B1/500		
BM (30°-60°)	234.0	4.3	B1/1000		
BH (60°-80°)	61.5	1.1	B0/110		G0/110
BVH (80°-90°)	1.2	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 IV Short





REPORT NUMBER: P323805

CATALOG NUMBER: GAN-SA1C-730-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8
2.5°	1068.7	1068.9	1066.4	1062.3	1057.1	1054.4	1049.8	1042.5	1034.8	1020.9	1005.9
5°	1090.5	1090.5	1087.3	1081.9	1073.5	1071.0	1062.3	1050.7	1034.8	1012.3	987.1
7.5°	1088.2	1088.7	1084.4	1078.7	1070.3	1068.0	1057.5	1044.6	1024.8	997.5	965.2
10°	1076.4	1077.5	1074.1	1071.4	1063.7	1061.2	1051.4	1038.4	1018.7	989.6	952.5
12.5°	1064.4	1065.5	1066.6	1069.1	1064.4	1063.5	1055.7	1044.8	1025.9	995.7	953.9
15°	1056.6	1058.9	1067.1	1076.9	1078.0	1077.1	1072.1	1061.9	1042.8	1011.4	963.6
17.5°	1056.6	1060.3	1077.3	1096.0	1102.6	1103.2	1098.9	1084.6	1061.9	1028.2	972.7
20°	1065.5	1070.5	1097.1	1123.5	1134.4	1134.4	1126.0	1106.0	1079.4	1043.4	978.9
22.5°	1088.2	1094.8	1128.3	1158.7	1170.3	1167.8	1156.4	1127.3	1097.6	1060.7	986.6
25°	1133.0	1138.0	1172.8	1203.5	1210.6	1204.9	1190.6	1153.3	1120.8	1084.1	1000.7
27.5°	1190.8	1191.5	1227.4	1253.3	1249.0	1245.1	1227.2	1185.8	1154.2	1117.6	1025.0
30°	1254.2	1254.2	1285.8	1305.6	1292.4	1289.2	1271.3	1225.1	1196.9	1163.0	1059.6
32.5°	1315.6	1318.3	1344.0	1356.5	1341.8	1338.6	1321.1	1274.9	1253.8	1232.4	1113.5
35°	1375.0	1377.0	1401.3	1408.2	1394.1	1395.0	1382.5	1343.4	1335.4	1332.7	1194.6
37.5°	1432.5	1432.9	1457.7	1462.0	1455.0	1462.7	1463.9	1429.3	1444.1	1466.1	1309.0
40°	1485.0	1485.5	1510.0	1521.2	1533.2	1543.2	1552.1	1533.7	1582.6	1633.7	1445.2
42.5°	1527.1	1531.9	1563.0	1584.1	1616.0	1635.1	1659.2	1658.3	1747.4	1824.3	1609.8
45°	1564.1	1572.3	1615.8	1652.8	1707.4	1737.9	1775.6	1805.2	1932.9	2036.4	1776.5
47.5°	1613.0	1620.8	1670.3	1731.0	1803.8	1843.8	1906.3	1970.2	2136.9	2244.7	1939.3
50°	1681.9	1678.5	1727.4	1814.5	1907.9	1960.5	2049.6	2145.3	2339.3	2426.1	2035.0
52.5°	1755.4	1754.0	1790.2	1905.2	2030.7	2092.1	2209.9	2326.3	2532.8	2551.2	2078.9
55°	1846.3	1836.5	1867.0	2008.7	2176.5	2242.4	2381.1	2505.5	2686.9	2621.7	2101.0
57.5°	1941.6	1925.4	1954.6	2123.9	2340.9	2418.9	2570.7	2680.1	2789.5	2669.9	2100.8
60°	2040.0	2020.9	2055.5	2268.1	2545.1	2635.3	2776.3	2798.1	2885.2	2694.2	2085.3
62.5°	2122.4	2111.0	2162.4	2422.3	2773.1	2861.8	2931.6	2905.4	2965.9	2713.1	2049.1
65°	2209.4	2210.1	2293.1	2602.1	3015.5	3075.3	3081.2	3044.6	3033.5	2709.2	1926.8
67.5°	2327.2	2338.1	2476.6	2846.3	3251.3	3297.5	3297.0	3195.4	3082.8	2555.5	1655.5
70°	2451.8	2477.5	2688.1	3125.8	3508.7	3555.5	3531.4	3291.3	2902.7	2066.4	1171.7
72.5°	2430.9	2475.5	2805.6	3302.0	3693.5	3729.2	3572.6	3055.5	2294.3	1201.0	498.9
75°	1875.4	1927.0	2572.6	3127.4	3499.6	3467.5	3069.6	2377.7	1253.8	335.2	112.3
77.5°	990.7	1018.2	1699.4	2382.5	2728.8	2661.7	2162.4	1319.0	382.2	83.0	50.5
80°	518.9	525.2	740.6	1351.8	1684.2	1684.7	1281.5	579.4	157.6	42.5	33.9
82.5°	277.9	283.3	391.3	624.6	882.5	799.9	490.7	318.8	91.6	24.1	32.5
85°	66.8	68.0	221.9	285.4	347.0	247.8	145.7	267.6	24.8	14.1	26.4
87.5°	25.7	26.1	82.3	123.5	88.5	57.3	68.2	99.8	3.2	5.5	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323805  
 CATALOG NUMBER: GAN-SA1C-730-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8	1006.8
2.5°	996.8	990.9	976.4	957.9	941.6	929.8	912.0	900.4	892.7	892.5	889.5
5°	971.6	959.5	928.2	890.9	857.0	826.5	790.6	762.2	741.0	737.6	730.3
7.5°	944.5	924.8	876.5	818.3	761.5	703.7	636.7	595.1	559.4	542.3	540.5
10°	927.9	900.2	831.8	747.6	658.5	564.6	476.8	416.1	372.2	359.7	350.4
12.5°	924.5	887.9	797.2	681.2	553.9	429.7	332.7	268.1	233.1	221.9	219.0
15°	927.9	882.2	768.1	615.5	447.9	304.9	223.3	185.8	172.6	169.4	169.2
17.5°	930.0	875.4	735.1	542.5	345.2	217.8	171.0	160.1	158.0	157.8	158.3
20°	929.8	864.9	695.8	461.1	256.7	171.2	154.6	152.3	151.9	152.1	151.9
22.5°	928.2	852.7	652.6	377.2	194.0	153.0	147.6	146.2	146.0	146.0	146.0
25°	931.1	842.9	605.1	297.0	159.8	144.6	141.2	140.1	139.8	139.8	139.4
27.5°	941.8	837.4	553.0	228.5	144.4	137.1	134.4	134.2	133.5	133.2	133.7
30°	959.1	837.4	495.9	177.8	135.1	129.4	127.3	126.9	126.7	126.4	126.7
32.5°	989.6	843.8	433.6	147.8	126.2	120.7	119.4	120.1	119.4	119.4	119.4
35°	1044.6	862.9	368.4	128.9	116.9	112.3	111.0	111.9	111.4	111.4	111.2
37.5°	1124.8	898.4	302.6	117.6	108.7	103.9	102.1	103.5	103.0	103.0	102.8
40°	1222.6	950.0	240.1	108.9	100.7	95.7	94.1	94.8	93.7	93.7	94.1
42.5°	1343.4	1015.5	185.5	100.5	92.8	88.0	87.1	86.4	84.4	83.2	83.4
45°	1477.5	1083.7	144.6	92.3	85.3	81.4	80.0	78.2	74.8	72.5	72.8
47.5°	1597.3	1136.2	117.6	84.4	78.4	75.5	73.4	70.0	65.0	62.3	62.5
50°	1660.3	1144.2	100.0	76.4	72.1	69.1	66.2	60.9	55.0	52.1	51.8
52.5°	1676.5	1106.9	87.1	69.1	65.7	62.3	58.4	51.4	44.8	41.6	41.2
55°	1682.4	1050.0	75.5	62.3	58.9	55.0	50.0	42.1	35.9	32.7	32.5
57.5°	1662.8	965.2	66.4	56.2	52.1	47.3	41.2	33.7	27.7	25.2	25.2
60°	1619.4	850.4	59.3	49.6	45.0	39.6	33.2	26.1	20.7	18.6	18.6
62.5°	1532.8	701.7	52.8	42.7	38.4	32.7	26.8	19.8	14.6	13.4	13.6
65°	1369.3	532.3	46.2	36.6	32.7	27.1	20.9	14.1	9.8	9.8	10.2
67.5°	1116.7	369.7	39.3	31.2	28.2	22.1	15.9	9.8	6.8	7.7	8.6
70°	739.2	207.4	33.7	25.7	24.1	17.5	11.8	6.6	5.5	7.3	8.9
72.5°	279.0	80.7	28.2	20.7	20.9	13.4	8.4	5.0	5.0	8.0	10.5
75°	77.8	39.6	20.2	15.2	16.4	9.8	6.1	4.3	4.8	9.1	12.3
77.5°	45.7	29.1	13.2	8.9	11.1	6.8	4.1	3.4	4.1	7.7	11.8
80°	36.8	15.5	7.7	4.5	6.1	3.9	2.7	2.0	1.1	3.0	6.1
82.5°	36.8	9.3	3.6	3.2	3.2	2.0	1.4	0.9	0.2	0.0	1.6
85°	24.8	3.9	2.3	2.0	1.6	0.7	0.5	0.2	0.0	0.0	0.0
87.5°	4.1	1.6	0.9	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)