

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: P318996

Luminaire Tested: **GAN-SA2B-730-U-T4W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2B-730-U-T4W  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10573 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

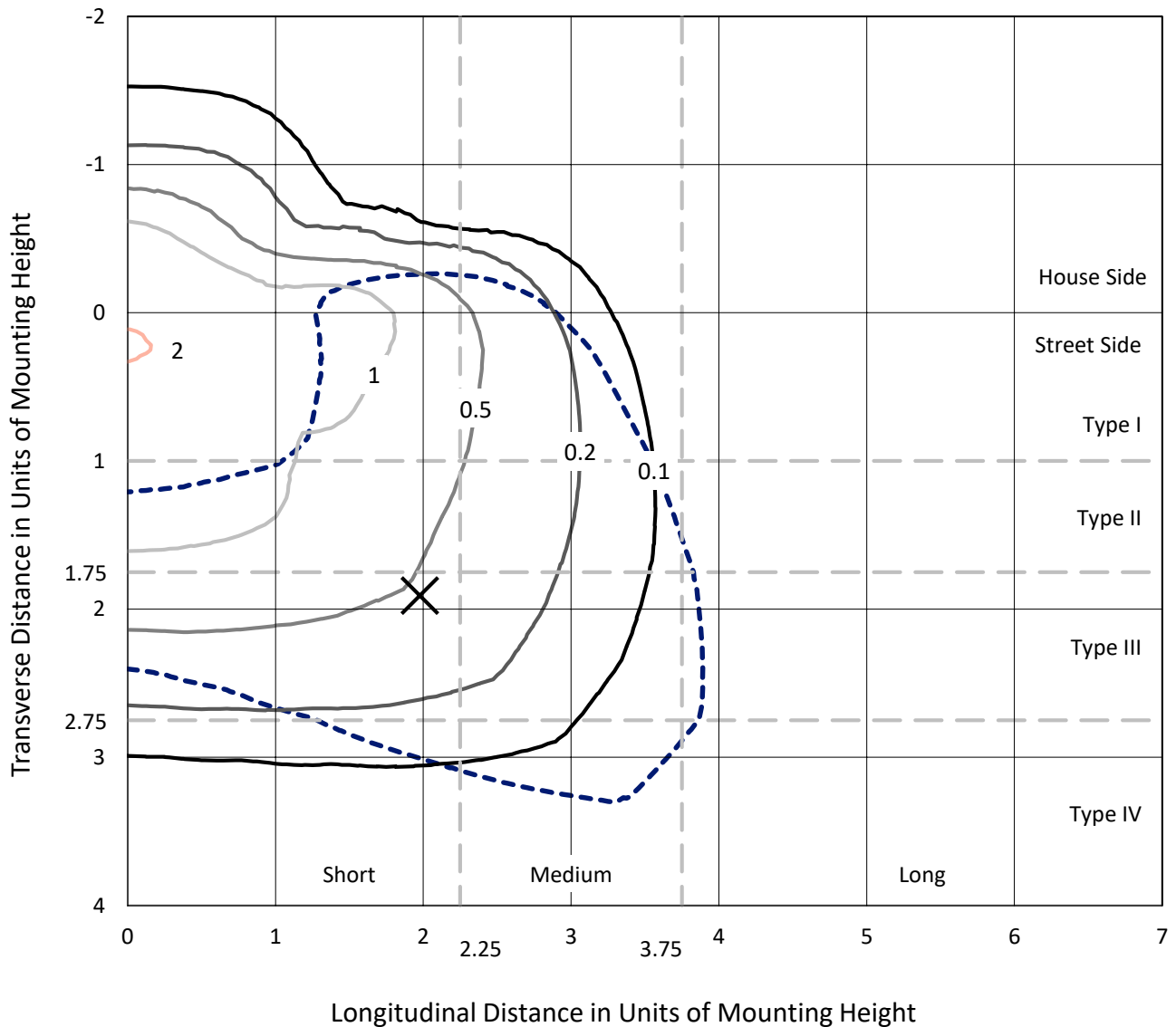
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P318996  
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### Iso-Footcandle Lines of Horizontal Illumination

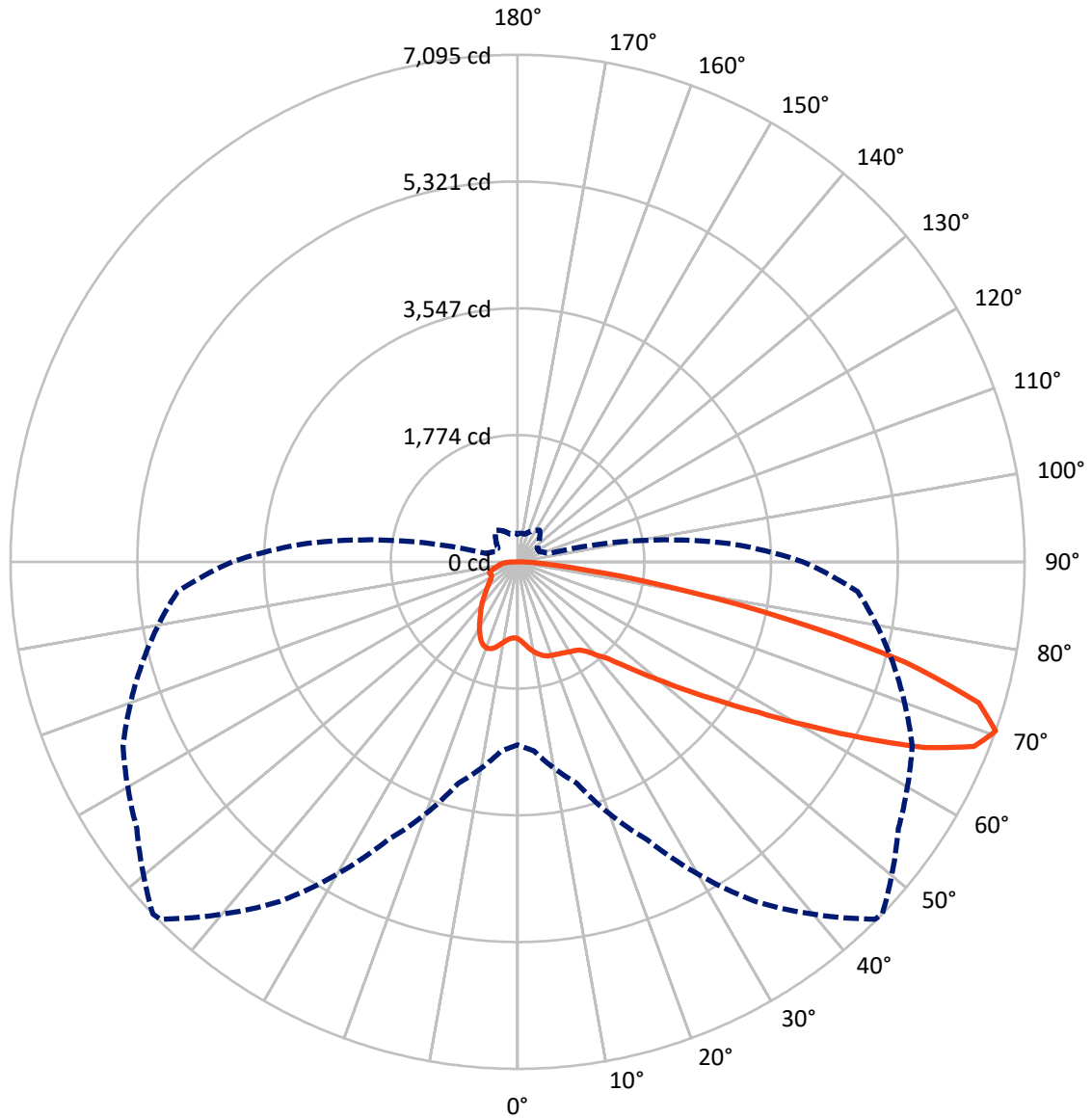
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P318996  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2423.3	0.0	2423.3
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	8149.7	0.0	8149.7
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	10573.0	0.0	10573.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.8	1.0
10°-20°	365.9	3.5
20°-30°	610.0	5.8
30°-40°	865.7	8.2
40°-50°	1273.3	12.0
50°-60°	2156.4	20.4
60°-70°	3061.0	29.0
70°-80°	1859.6	17.6
80°-90°	271.4	2.6
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°	10573.0	100.0
0°-180°	10573.0	100.0

**Coefficient of Utilization**

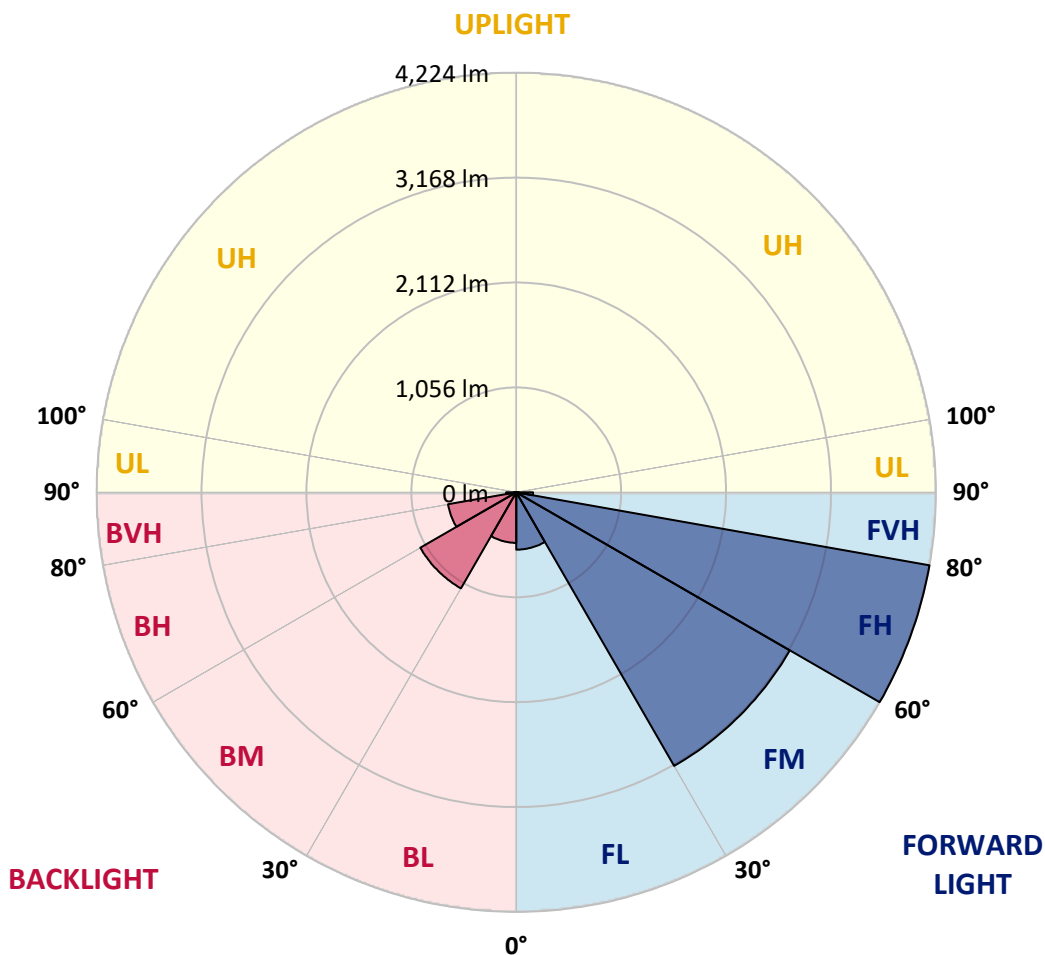


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	576.9	5.5			
FM (30°-60°)	3179.9	30.1			
FH (60°-80°)	4223.9	39.9			G2/5000
FVH (80°-90°)	169.0	1.6			G2/225
BL (0°-30°)	508.8	4.8	B2/1000		
BM (30°-60°)	1115.5	10.6	B2/2500		
BH (60°-80°)	696.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	102.3	1.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2
2.5°	1131.1	1131.8	1133.3	1129.6	1119.5	1116.6	1115.5	1105.0	1098.2	1088.0	1079.4
5°	1221.6	1222.3	1220.1	1210.0	1187.5	1170.9	1169.4	1145.6	1123.9	1100.7	1083.3
7.5°	1316.0	1317.1	1310.2	1291.0	1259.5	1230.6	1228.8	1196.2	1163.3	1128.2	1102.1
10°	1399.6	1395.2	1384.0	1357.2	1320.0	1284.5	1283.1	1249.1	1211.1	1168.7	1134.0
12.5°	1455.3	1451.7	1437.2	1404.6	1363.8	1331.2	1328.3	1296.8	1259.9	1213.6	1172.0
15°	1486.1	1488.6	1469.0	1432.1	1392.3	1364.8	1362.3	1339.9	1306.9	1260.3	1212.5
17.5°	1490.0	1492.2	1473.4	1436.8	1404.3	1385.5	1384.4	1369.5	1345.7	1300.8	1250.9
20°	1466.9	1468.3	1452.8	1422.7	1401.4	1395.6	1395.2	1388.7	1371.0	1331.2	1282.7
22.5°	1433.2	1434.3	1423.1	1401.4	1394.1	1403.2	1405.7	1403.2	1390.5	1353.3	1307.7
25°	1424.9	1424.2	1412.6	1390.5	1396.7	1415.9	1419.1	1420.2	1411.5	1379.0	1339.5
27.5°	1465.1	1462.5	1440.5	1405.0	1409.0	1432.1	1436.5	1447.0	1441.5	1413.0	1375.7
30°	1581.2	1576.9	1531.6	1460.0	1440.5	1452.4	1457.8	1474.5	1475.6	1451.7	1423.8
32.5°	1777.3	1771.9	1690.9	1562.8	1493.7	1473.0	1478.1	1503.1	1516.4	1498.0	1468.0
35°	2025.2	2019.0	1912.7	1737.5	1582.7	1512.5	1516.1	1536.0	1562.8	1536.7	1496.9
37.5°	2283.5	2268.7	2166.3	1943.1	1724.1	1596.8	1596.8	1599.3	1612.0	1557.7	1530.9
40°	2540.4	2525.6	2433.0	2184.8	1907.2	1729.6	1721.2	1665.2	1655.0	1608.4	1599.3
42.5°	2779.3	2774.9	2720.3	2457.9	2122.2	1860.2	1848.6	1753.5	1755.6	1726.7	1727.0
45°	3033.3	3033.3	2988.8	2733.7	2372.5	2070.1	2058.5	1918.4	1940.2	1926.8	1959.0
47.5°	3240.6	3247.1	3241.0	3021.0	2663.8	2336.7	2315.7	2147.1	2207.9	2253.9	2347.6
50°	3452.3	3462.4	3463.5	3336.1	3015.9	2653.7	2629.8	2450.7	2586.4	2718.1	2902.3
52.5°	3759.5	3782.3	3691.4	3650.5	3447.2	3030.0	3006.5	2841.1	3067.6	3252.5	3569.9
55°	4044.2	4024.3	3959.6	3984.9	3908.9	3458.4	3440.7	3295.6	3603.9	3844.1	4256.3
57.5°	4198.4	4196.9	4262.1	4370.6	4406.8	3986.7	3971.9	3830.7	4208.5	4389.1	4900.7
60°	4379.3	4381.8	4543.2	4789.6	4938.7	4644.5	4638.0	4530.9	4795.8	4897.8	5406.2
62.5°	4404.6	4450.2	4728.1	5152.2	5436.6	5413.0	5427.5	5161.6	5321.1	5303.8	5783.6
65°	4113.3	4173.4	4676.4	5261.8	5931.6	6253.6	6267.0	5795.9	5735.4	5650.8	5918.5
67.5°	3516.3	3605.3	4151.7	5023.4	6094.7	6874.9	6893.7	6287.6	6079.2	5768.4	5593.6
70°	2558.9	2657.7	3207.7	4290.3	5803.8	7073.5	7094.9	6505.1	6092.2	5433.7	4775.1
72.5°	1545.8	1623.2	2076.6	3158.5	4898.5	6711.7	6749.7	6229.3	5562.1	4602.5	3526.1
75°	678.8	729.5	1004.1	1820.0	3506.9	5553.1	5600.5	5332.0	4519.3	3344.8	2084.2
77.5°	289.1	303.6	411.8	790.6	1982.5	3794.6	3859.7	3895.9	3066.2	1820.0	880.7
80°	180.2	186.0	233.0	357.9	927.7	2131.2	2201.4	2292.2	1522.6	669.0	307.6
82.5°	109.6	116.1	154.9	216.4	483.0	966.1	999.7	1063.8	590.9	289.1	159.2
85°	65.9	70.6	94.8	136.8	275.0	379.9	379.6	419.7	278.3	186.0	83.9
87.5°	31.5	35.1	50.7	70.9	138.6	142.6	133.5	151.2	169.0	121.9	42.3
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°	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2	1077.2
2.5°	1076.5	1075.0	1070.3	1066.7	1066.0	1063.8	1062.0	1063.1	1064.5	1064.9	1064.9
5°	1076.1	1072.1	1066.0	1063.4	1066.7	1071.0	1076.5	1083.7	1088.0	1091.3	1093.5
7.5°	1093.5	1085.9	1079.0	1077.5	1084.1	1095.6	1107.9	1123.1	1133.6	1140.9	1142.3
10°	1122.4	1113.0	1106.1	1107.6	1119.2	1135.8	1153.2	1172.7	1188.6	1198.4	1199.1
12.5°	1155.7	1146.7	1140.1	1146.3	1165.5	1185.7	1203.8	1220.8	1235.3	1245.1	1245.1
15°	1194.1	1187.5	1179.9	1194.1	1220.1	1238.2	1245.8	1254.1	1262.1	1269.3	1267.9
17.5°	1231.0	1224.8	1220.8	1237.5	1264.6	1272.9	1267.9	1261.7	1261.7	1265.7	1266.4
20°	1262.8	1257.4	1259.9	1276.2	1290.3	1281.6	1262.8	1243.3	1235.3	1237.5	1239.6
22.5°	1290.7	1288.1	1295.7	1303.3	1293.2	1262.8	1228.1	1201.7	1191.9	1191.2	1191.9
25°	1323.2	1322.9	1332.3	1318.5	1273.7	1217.6	1170.9	1145.2	1139.8	1144.1	1151.4
27.5°	1363.8	1367.7	1372.4	1322.1	1233.9	1149.2	1101.8	1084.1	1089.5	1100.0	1106.9
30°	1415.5	1426.4	1416.2	1313.1	1176.7	1071.0	1025.8	1020.7	1035.6	1050.4	1057.6
32.5°	1465.8	1482.8	1458.2	1289.6	1102.9	988.2	953.1	951.6	969.7	984.2	994.3
35°	1506.3	1540.0	1489.7	1242.9	1017.5	911.8	886.1	876.4	882.9	899.9	911.5
37.5°	1559.1	1615.2	1511.4	1171.6	924.8	848.9	818.8	796.4	790.6	797.5	803.3
40°	1655.8	1729.9	1521.5	1072.1	834.4	785.9	755.5	722.6	699.8	683.1	683.5
42.5°	1813.5	1879.4	1515.0	951.3	750.8	724.4	690.0	652.0	615.1	577.5	574.6
45°	2069.7	2101.5	1495.5	823.2	677.4	660.0	627.8	589.8	540.6	497.9	493.9
47.5°	2479.7	2409.1	1465.1	711.4	612.6	605.3	575.7	531.9	479.8	445.4	442.5
50°	3038.7	2853.1	1450.2	622.4	555.4	557.6	533.3	487.0	437.8	412.5	409.6
52.5°	3707.4	3370.1	1478.8	553.6	509.5	517.1	499.0	455.5	414.3	394.4	391.5
55°	4401.0	3905.6	1509.6	503.7	466.0	480.9	474.7	438.9	401.6	383.2	380.7
57.5°	4994.8	4305.5	1448.1	463.1	427.3	450.5	455.9	428.4	395.1	378.5	375.6
60°	5368.5	4466.5	1286.7	425.2	396.6	426.2	445.1	425.5	397.7	396.2	394.0
62.5°	5545.8	4452.4	1044.6	395.1	377.4	415.7	453.0	441.8	426.6	439.6	440.7
65°	5466.2	4239.6	777.9	375.2	363.6	419.7	476.9	472.6	434.9	448.0	449.8
67.5°	4942.3	3732.0	576.0	357.9	348.4	430.9	520.3	482.7	418.6	428.1	422.3
70°	3994.7	2958.7	444.3	338.3	332.9	429.5	539.9	476.5	400.9	403.1	387.5
72.5°	2754.6	2017.6	361.5	320.2	310.5	391.5	526.1	461.3	386.1	369.4	348.8
75°	1498.0	1083.0	307.2	301.4	271.0	343.7	500.8	450.5	372.7	350.6	339.0
77.5°	589.4	449.4	266.7	275.7	237.0	303.6	472.6	429.9	354.2	325.3	319.5
80°	240.6	229.4	221.1	238.4	203.7	265.6	438.5	405.6	332.2	301.8	290.2
82.5°	136.4	142.6	171.9	188.2	165.4	244.6	422.3	386.1	305.8	270.3	256.5
85°	69.8	83.6	119.8	135.0	121.6	208.1	389.0	338.0	245.3	207.0	208.1
87.5°	33.7	46.7	75.6	84.7	78.9	150.5	290.6	245.0	191.0	151.2	146.5
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)