

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: P319715

Luminaire Tested: **GAN-SA1B-750-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-750-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5984 lumens
Efficiency: N/A
Efficacy: 136.0 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

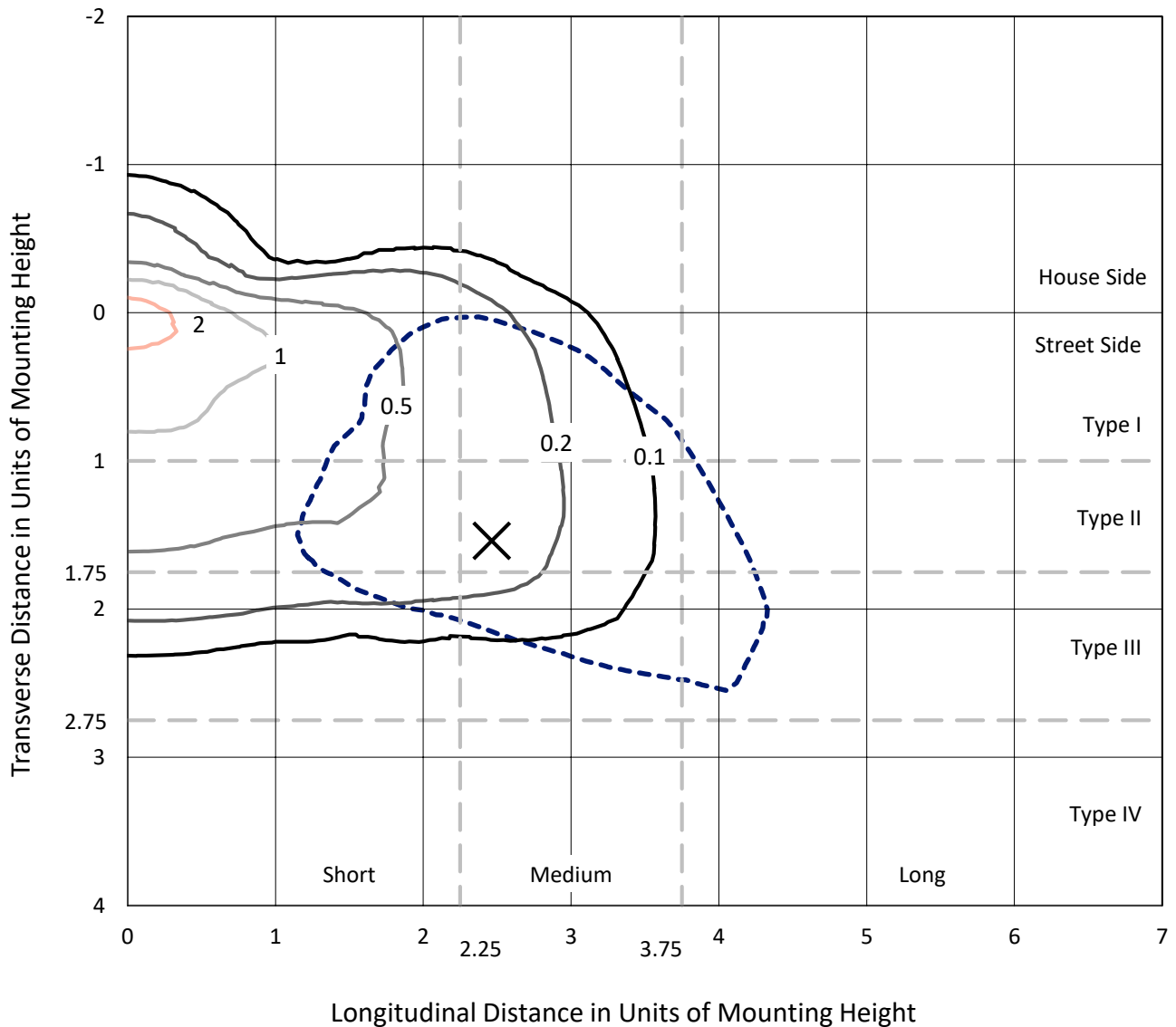
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

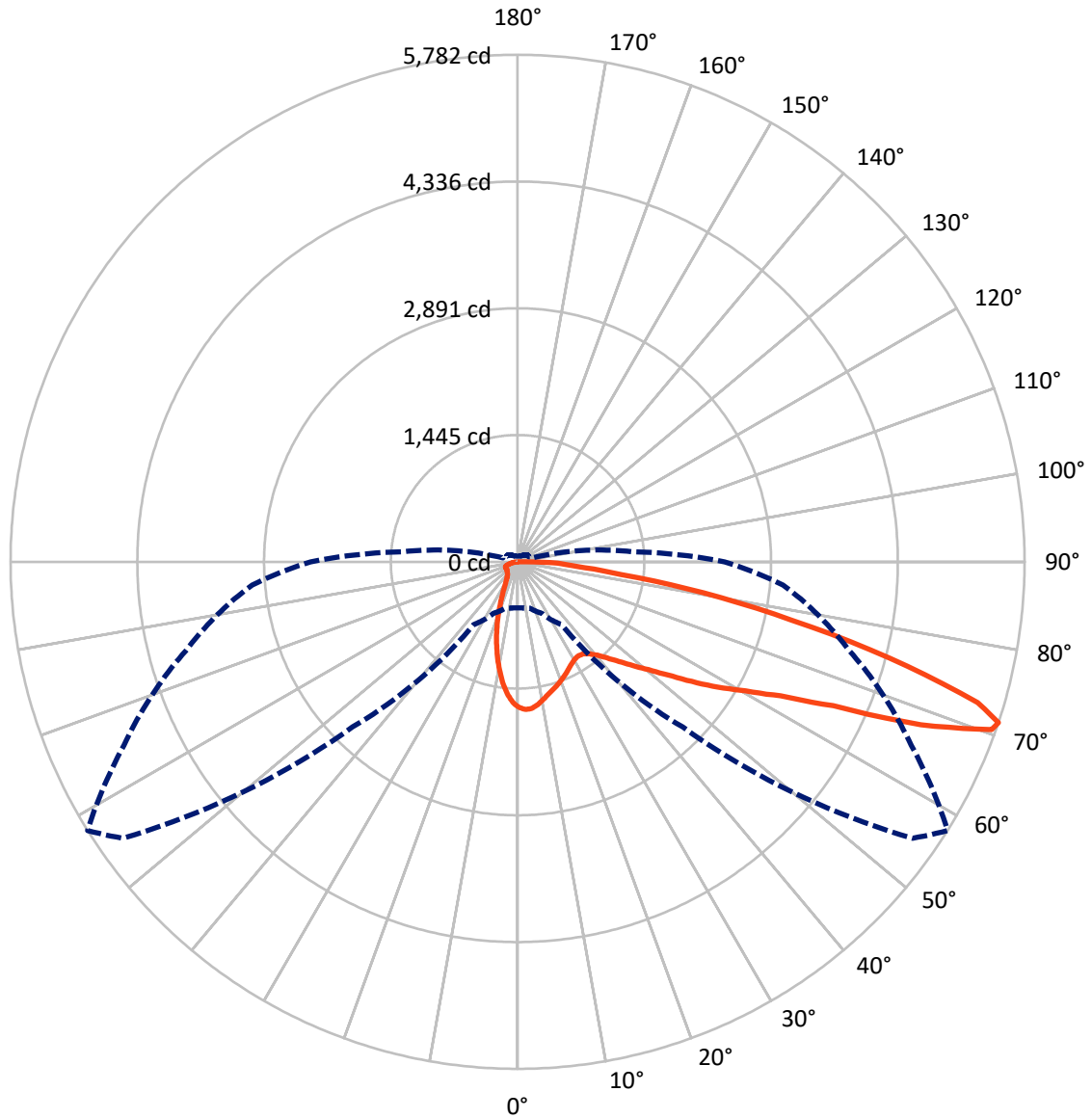
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	894.7	0.0	894.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	5089.4	0.0	5089.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	5984.0	0.0	5984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	2.4
10°-20°	318.1	5.3
20°-30°	404.2	6.8
30°-40°	514.9	8.6
40°-50°	730.1	12.2
50°-60°	1129.9	18.9
60°-70°	1538.2	25.7
70°-80°	1026.2	17.1
80°-90°	179.4	3.0
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°	5984.0	100.0
0°-180°	5984.0	100.0

Coefficient of Utilization

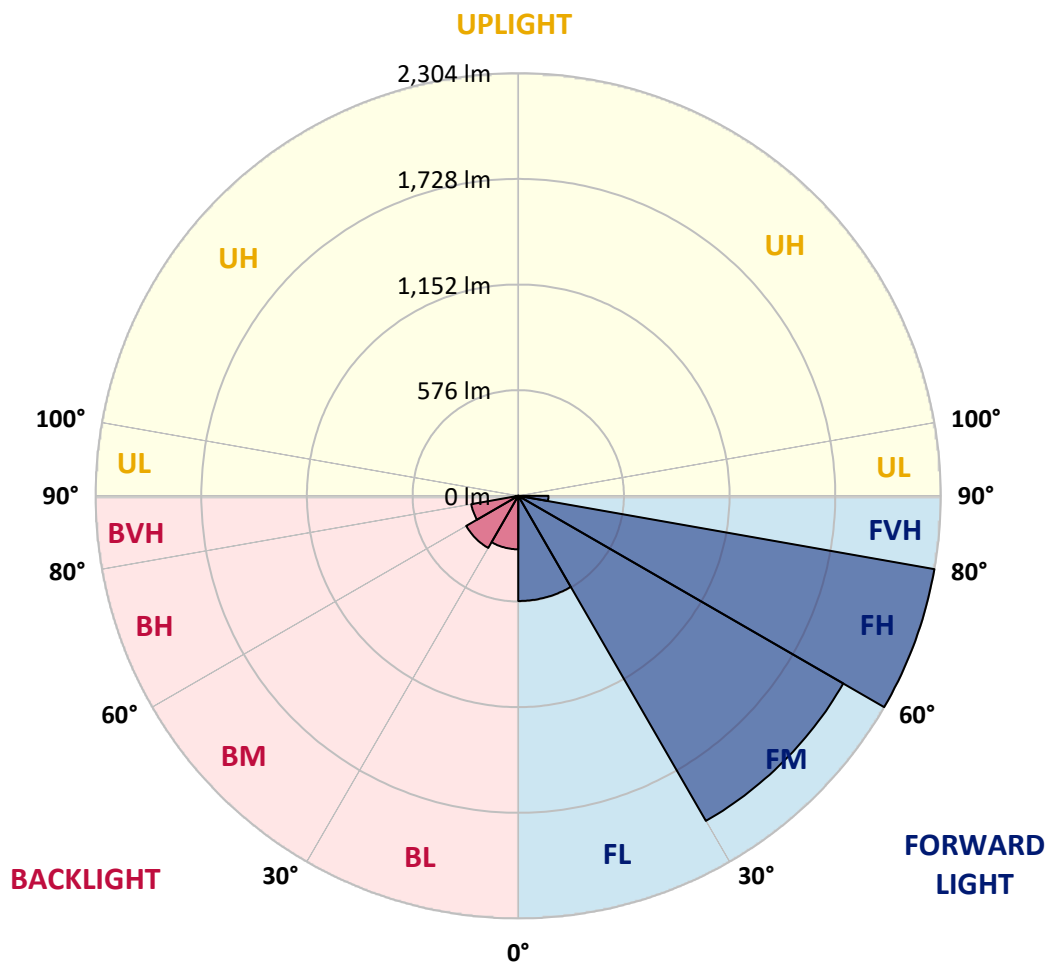


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	573.7	9.6			
FM (30°-60°)	2046.8	34.2			
FH (60°-80°)	2304.4	38.5			G2/5000
FVH (80°-90°)	164.5	2.7			G2/225
BL (0°-30°)	291.6	4.9	B1/500		
BM (30°-60°)	328.1	5.5	B1/1000		
BH (60°-80°)	260.0	4.3	B1/500		G1/500
BVH (80°-90°)	14.9	0.2			G1/100
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°	58°	65°	75°	85°
0°	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0
2.5°	1701.9	1699.7	1700.5	1698.8	1694.9	1690.9	1685.1	1686.1	1678.0	1665.9	1650.9
5°	1669.8	1669.0	1675.3	1678.8	1681.7	1679.4	1677.8	1679.9	1668.0	1651.3	1625.2
7.5°	1602.5	1593.4	1601.3	1613.2	1624.4	1633.0	1644.2	1645.7	1638.2	1620.7	1586.5
10°	1506.8	1498.1	1509.8	1528.3	1550.8	1571.3	1594.0	1598.1	1599.6	1583.8	1542.3
12.5°	1407.6	1401.0	1412.6	1438.7	1476.0	1507.5	1543.7	1550.0	1562.9	1552.3	1501.4
15°	1318.8	1316.3	1330.5	1356.1	1399.1	1447.2	1499.6	1511.0	1532.9	1529.4	1469.5
17.5°	1242.1	1241.5	1252.3	1279.2	1326.7	1387.6	1455.6	1475.0	1507.5	1511.6	1443.3
20°	1185.0	1183.8	1191.3	1211.1	1260.0	1329.0	1408.0	1434.7	1481.6	1496.2	1416.2
22.5°	1154.4	1154.2	1154.4	1163.7	1203.8	1268.0	1361.8	1394.3	1456.4	1483.9	1386.2
25°	1149.2	1148.5	1143.9	1142.9	1165.6	1216.9	1315.9	1351.8	1432.4	1475.4	1357.6
27.5°	1162.7	1163.5	1157.5	1147.7	1152.3	1183.3	1276.1	1314.5	1413.3	1473.7	1337.8
30°	1190.8	1190.4	1185.2	1175.0	1166.0	1170.8	1247.7	1286.1	1400.3	1481.0	1324.2
32.5°	1221.9	1224.2	1223.2	1217.5	1204.2	1185.0	1239.2	1276.7	1396.6	1498.5	1318.4
35°	1259.2	1261.7	1269.2	1273.6	1258.0	1227.1	1257.5	1290.1	1407.4	1531.4	1327.8
37.5°	1294.6	1301.1	1322.2	1340.7	1327.4	1293.0	1306.3	1329.5	1441.0	1583.3	1353.0
40°	1335.5	1341.1	1375.5	1414.9	1412.8	1377.2	1384.9	1400.3	1500.2	1657.8	1398.7
42.5°	1375.7	1387.0	1436.8	1492.7	1508.7	1477.2	1489.5	1497.7	1583.6	1756.4	1478.3
45°	1429.3	1441.4	1510.6	1577.9	1615.4	1597.7	1617.3	1620.4	1688.4	1890.6	1594.0
47.5°	1510.4	1524.1	1604.8	1675.5	1732.8	1734.7	1767.0	1765.7	1819.3	2044.2	1739.7
50°	1636.7	1656.5	1722.6	1788.7	1858.3	1897.1	1940.2	1934.2	1976.3	2207.8	1907.5
52.5°	1802.2	1811.4	1860.4	1909.1	1995.6	2082.6	2144.5	2139.1	2154.3	2376.1	2098.0
55°	1973.8	1980.6	2000.9	2027.5	2143.9	2285.6	2416.5	2408.0	2369.4	2550.7	2286.2
57.5°	2128.0	2142.0	2155.9	2167.0	2293.1	2497.8	2694.8	2695.4	2602.8	2739.2	2480.7
60°	2152.0	2164.3	2256.6	2343.8	2548.4	2780.9	2992.6	2986.4	2844.4	2943.7	2697.5
62.5°	1902.3	1930.0	2084.2	2316.0	2794.4	3298.6	3372.6	3364.9	3133.3	3195.7	2949.9
65°	1363.2	1394.7	1580.8	1929.2	2675.2	3869.1	4058.4	3954.6	3527.3	3505.6	3245.5
67.5°	786.5	794.0	874.6	1154.4	2036.9	3899.0	5104.6	4959.3	4139.1	3857.3	3390.1
70°	581.6	581.4	600.5	710.4	1102.3	3182.1	5602.2	5732.4	4783.2	3973.0	3185.7
71°	525.9	526.5	548.0	646.6	873.0	2663.5	5496.5	5781.6	4952.9	3915.8	3037.7
72.5°	449.8	451.9	481.7	579.9	734.4	1836.8	5041.2	5486.5	5033.3	3774.9	2806.1
75°	341.2	346.0	387.3	488.8	671.2	931.5	3699.9	4381.1	4471.3	3330.9	2085.1
77.5°	243.5	248.9	295.6	411.1	638.0	702.0	2477.8	3195.7	3290.5	2134.7	940.5
80°	153.8	160.3	195.5	327.0	599.5	666.6	1557.1	2148.0	1794.3	683.1	239.3
82.5°	90.3	95.3	121.3	213.7	489.6	642.0	916.1	1190.6	698.3	206.4	108.8
85°	52.3	54.6	75.7	136.1	355.6	605.9	673.1	665.6	303.1	100.9	51.5
87.5°	24.4	27.1	44.8	71.1	197.4	439.2	532.0	459.6	188.4	47.3	24.2
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°	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0	1658.0
2.5°	1643.6	1640.0	1625.2	1612.1	1598.4	1580.4	1560.6	1558.1	1546.0	1548.3	1544.2
5°	1611.1	1602.1	1566.5	1534.2	1496.0	1461.8	1424.7	1407.6	1383.0	1381.4	1375.1
7.5°	1564.6	1547.9	1492.7	1431.4	1370.1	1311.7	1254.0	1216.1	1177.3	1160.8	1159.4
10°	1512.3	1483.9	1402.6	1312.0	1223.6	1138.3	1055.8	994.7	939.7	913.6	912.6
12.5°	1462.7	1420.8	1309.2	1185.8	1064.9	954.5	841.3	761.0	692.0	668.9	659.1
15°	1420.5	1361.6	1218.4	1060.6	913.8	760.4	631.6	547.2	483.4	461.3	457.1
17.5°	1379.7	1303.8	1125.2	934.0	756.7	588.0	459.0	396.3	362.3	353.3	353.1
20°	1339.0	1244.4	1027.8	804.6	604.7	439.8	352.9	324.8	313.3	312.2	310.6
22.5°	1293.0	1181.5	925.5	674.7	471.9	345.8	300.0	288.7	287.2	291.0	291.0
25°	1249.8	1118.9	821.7	547.6	367.1	288.5	267.9	265.6	269.5	276.2	276.8
27.5°	1209.6	1058.7	720.4	434.6	294.1	254.1	245.5	248.3	255.3	263.1	263.3
30°	1176.5	1001.8	622.0	342.5	248.5	228.5	227.0	232.4	240.1	246.2	247.6
32.5°	1150.8	953.2	526.9	275.4	218.7	209.3	210.5	215.1	219.9	223.2	225.5
35°	1138.9	911.5	439.2	232.2	199.7	194.5	196.1	198.6	200.7	203.2	205.1
37.5°	1141.0	879.2	360.8	205.3	187.0	184.3	184.3	184.3	184.3	185.5	185.7
40°	1160.4	860.7	297.0	188.2	178.4	175.5	173.2	171.1	169.5	170.3	169.9
42.5°	1210.0	859.0	250.3	177.4	171.5	166.8	162.2	159.3	157.2	158.0	158.4
45°	1294.2	879.8	218.9	169.7	165.1	157.8	152.0	148.8	147.4	150.1	150.5
47.5°	1403.2	925.3	199.7	164.0	159.0	149.5	143.2	140.3	140.7	144.7	145.7
50°	1543.7	999.1	190.5	160.5	154.9	142.4	135.9	133.4	134.7	140.3	141.5
52.5°	1698.0	1105.4	191.6	159.5	152.2	137.2	130.3	127.4	129.4	134.7	135.7
55°	1876.0	1233.2	208.9	160.9	148.2	133.8	125.7	120.7	122.4	127.2	128.0
57.5°	2073.8	1379.5	243.7	160.5	143.2	130.7	120.9	113.4	114.6	117.6	118.4
60°	2279.8	1556.2	297.7	161.8	140.9	126.9	114.4	105.1	104.6	107.1	107.6
62.5°	2527.0	1760.7	359.4	162.6	142.4	122.1	105.9	96.7	95.5	96.1	96.5
65°	2781.7	1908.7	336.2	159.3	147.0	118.2	98.4	88.6	86.3	85.9	86.1
67.5°	2789.6	1750.1	235.8	152.6	148.8	116.1	92.8	81.7	78.0	76.5	76.3
70°	2501.8	1421.8	183.6	145.5	141.3	112.8	87.5	76.1	70.5	68.2	68.0
71°	2361.3	1308.8	174.1	142.0	135.7	109.4	85.3	73.6	67.7	65.2	64.8
72.5°	2140.9	1173.3	162.4	136.3	124.9	100.9	80.9	70.0	64.0	61.1	60.4
75°	1536.4	767.3	139.4	121.5	103.4	80.5	70.9	63.0	57.7	54.2	53.8
77.5°	592.0	305.4	105.5	101.1	79.2	63.0	58.4	54.4	50.7	47.1	46.9
80°	183.0	136.5	76.9	76.1	57.3	46.9	45.4	44.4	42.9	39.2	38.4
82.5°	97.8	78.4	52.9	49.2	37.5	31.3	32.9	33.4	33.6	29.6	29.2
85°	46.7	41.5	29.8	27.9	21.9	17.5	20.2	21.9	22.1	18.1	16.9
87.5°	22.3	21.7	14.0	10.6	8.1	5.8	7.1	8.8	9.6	6.9	6.0
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)