

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: P323205

Luminaire Tested: **GAN-SA1C-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323205
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-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 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: 6133 lumens
Efficiency: N/A
Efficacy: 103.9 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

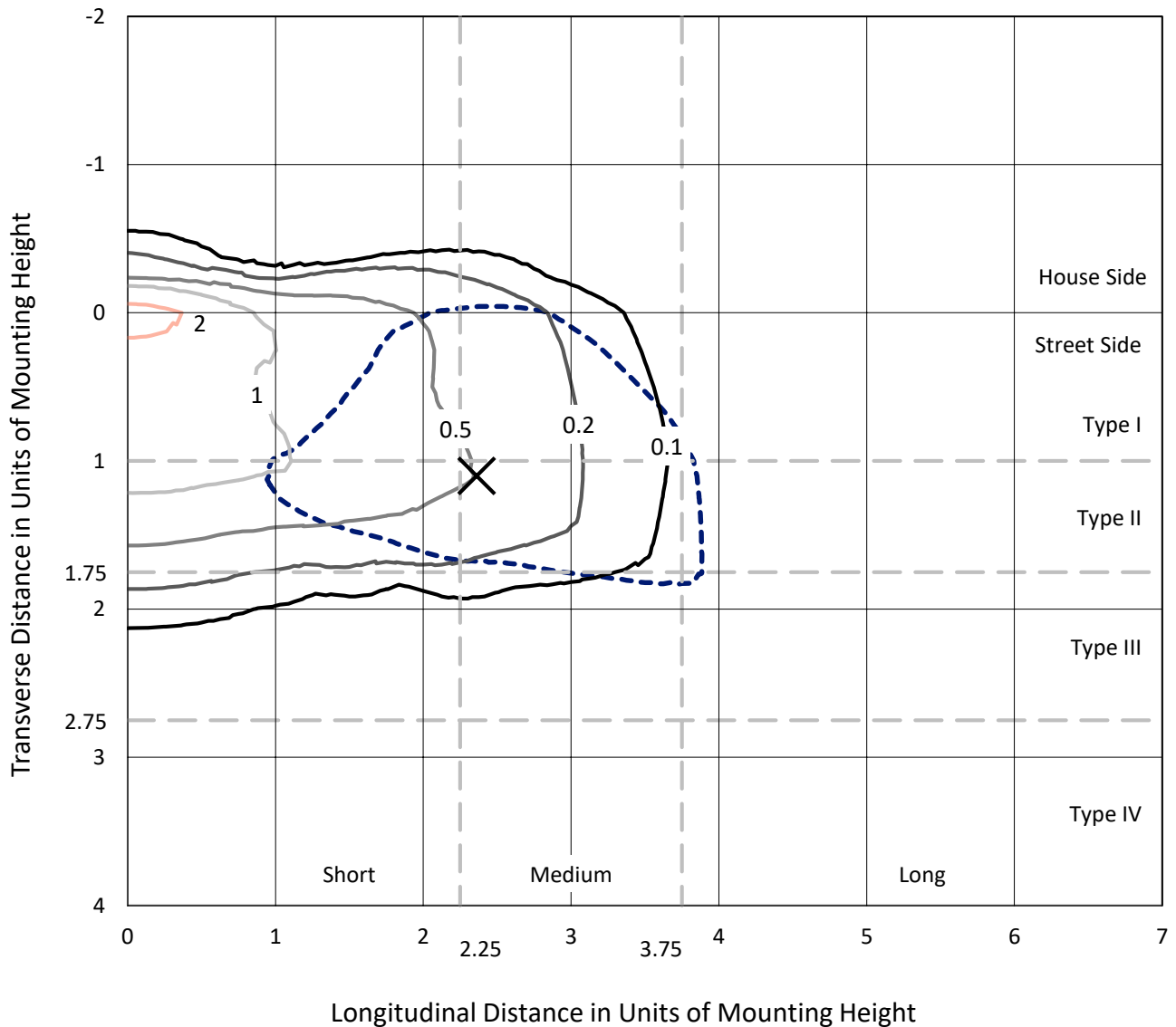
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323205
 CATALOG NUMBER: GAN-SA1C-740-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

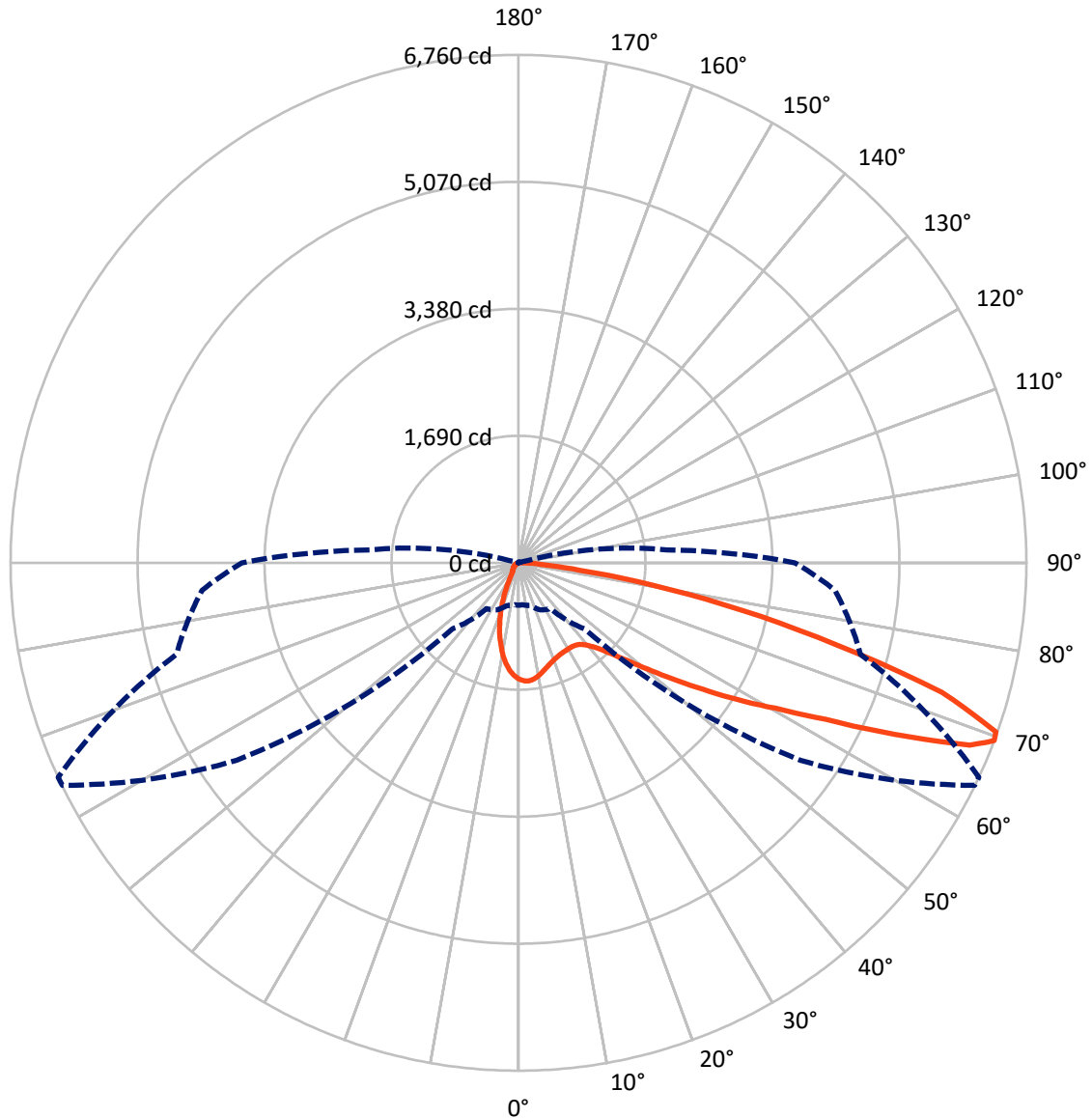
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P323205
CATALOG NUMBER: GAN-SA1C-740-U-SL2-HSS

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
House Side	Lumens	722.9	0.0	722.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5410.1	0.0	5410.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	6133.0	0.0	6133.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	2.1
10°-20°	283.7	4.6
20°-30°	392.9	6.4
30°-40°	547.9	8.9
40°-50°	851.6	13.9
50°-60°	1367.1	22.3
60°-70°	1546.4	25.2
70°-80°	908.2	14.8
80°-90°	105.7	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°	6133.0	100.0
0°-180°	6133.0	100.0

Coefficient of Utilization

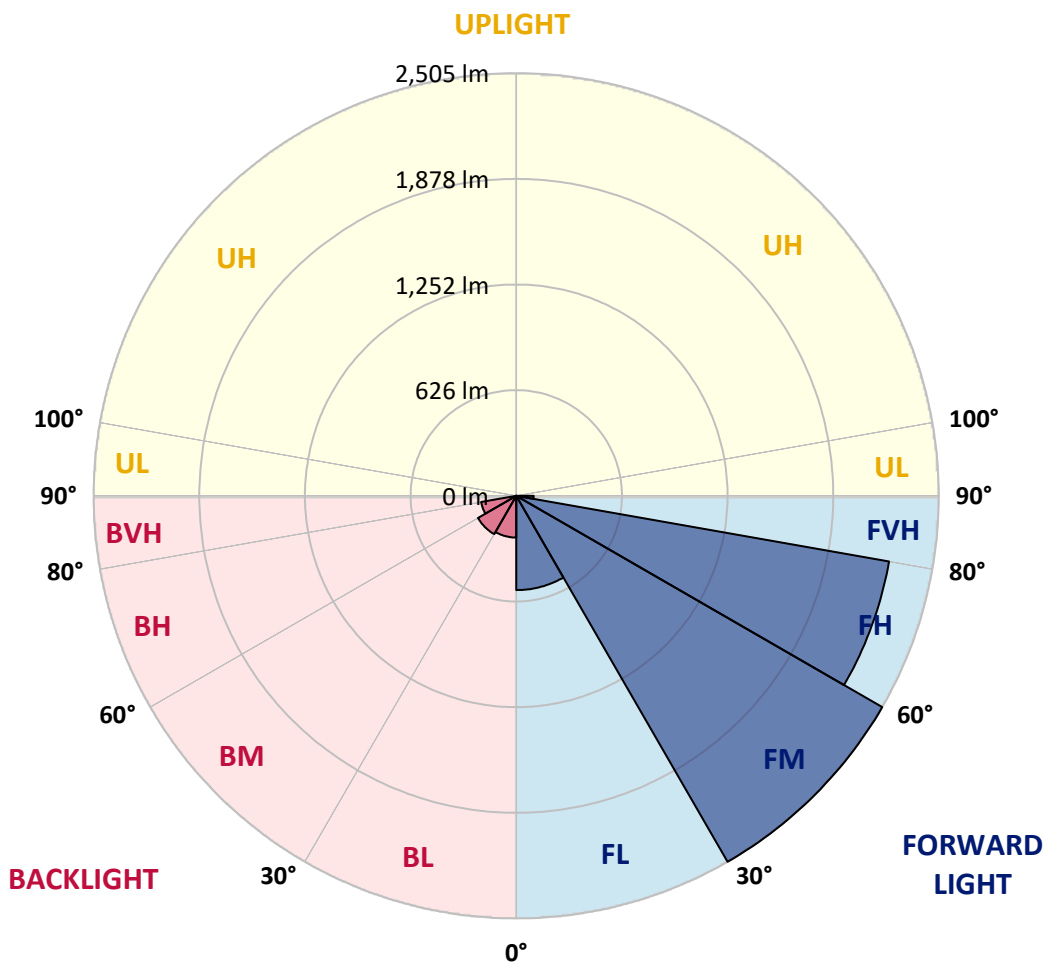


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.9	9.1			
FM (30°-60°)	2504.5	40.8			
FH (60°-80°)	2243.4	36.6			G2/5000
FVH (80°-90°)	103.3	1.7			G2/225
BL (0°-30°)	247.4	4.0	B1/500		
BM (30°-60°)	262.0	4.3	B1/1000		
BH (60°-80°)	211.2	3.4	B1/500		G1/500
BVH (80°-90°)	2.4	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





REPORT NUMBER: P323205

CATALOG NUMBER: GAN-SA1C-740-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8
2.5°	1563.6	1559.7	1562.8	1569.5	1572.9	1572.9	1575.5	1572.4	1573.4	1565.9	1555.0
5°	1465.7	1459.8	1468.3	1487.3	1510.6	1530.6	1560.2	1575.8	1577.3	1577.6	1564.9
7.5°	1360.4	1354.9	1367.6	1390.0	1420.1	1457.2	1508.8	1554.0	1556.6	1581.0	1571.6
10°	1274.7	1270.8	1285.6	1309.5	1344.8	1386.3	1449.6	1512.4	1520.0	1574.0	1570.6
12.5°	1206.7	1203.6	1217.6	1245.1	1281.2	1327.2	1393.3	1466.3	1476.4	1558.1	1565.4
15°	1157.2	1156.7	1168.3	1194.8	1234.8	1277.6	1345.3	1423.4	1435.1	1541.0	1564.6
17.5°	1131.2	1132.0	1140.6	1163.1	1197.4	1240.0	1304.8	1387.4	1400.1	1525.7	1568.5
20°	1128.6	1129.4	1134.1	1146.8	1174.6	1212.2	1271.9	1357.0	1370.2	1514.3	1574.7
22.5°	1151.5	1150.9	1152.2	1150.9	1166.5	1195.1	1250.1	1333.6	1349.0	1506.7	1579.7
25°	1195.3	1194.5	1194.0	1184.4	1174.0	1189.4	1241.0	1320.4	1334.9	1501.3	1582.5
27.5°	1256.3	1255.8	1255.0	1239.2	1208.0	1198.4	1242.0	1315.5	1327.7	1496.9	1582.0
30°	1336.5	1340.1	1339.1	1317.0	1268.5	1226.2	1252.9	1312.9	1323.5	1488.3	1576.5
32.5°	1430.7	1438.0	1443.7	1420.1	1359.3	1281.2	1278.1	1315.7	1323.5	1481.8	1566.7
35°	1528.5	1537.9	1558.9	1550.6	1470.7	1364.0	1321.4	1332.9	1339.4	1485.5	1562.0
37.5°	1624.8	1636.0	1681.7	1705.8	1616.5	1473.5	1388.9	1375.2	1378.5	1507.5	1567.2
40°	1736.7	1753.5	1822.8	1861.8	1790.6	1620.1	1489.9	1447.8	1449.1	1556.0	1591.3
42.5°	1883.6	1900.9	1975.9	2036.9	1986.8	1805.4	1626.9	1558.9	1557.6	1646.9	1648.2
45°	2062.6	2080.8	2158.4	2226.1	2203.5	2025.0	1802.3	1721.1	1719.5	1790.1	1755.9
47.5°	2265.6	2283.5	2352.8	2422.6	2447.0	2281.4	2025.8	1942.5	1938.8	1989.2	1922.2
50°	2439.7	2451.4	2515.2	2609.2	2719.2	2596.4	2303.7	2223.5	2219.6	2253.6	2166.4
52.5°	2503.0	2509.8	2574.6	2706.2	2980.8	3023.1	2668.8	2565.6	2562.7	2577.5	2491.6
55°	2374.8	2387.0	2466.7	2661.8	3122.5	3505.3	3129.7	2989.1	2967.5	2935.6	2831.6
57.5°	2025.5	2045.0	2130.6	2390.1	3056.3	3887.8	3807.1	3468.2	3436.5	3241.3	3107.9
60°	1517.6	1541.5	1612.6	1892.6	2703.1	4024.0	4547.2	4002.0	3930.6	3484.8	3362.0
62.5°	1041.4	1053.4	1101.6	1284.1	1990.7	3800.8	5166.4	4716.9	4586.7	3749.5	3636.8
65°	795.4	799.6	819.3	882.1	1185.5	3087.4	5412.7	5660.3	5502.7	4066.1	3922.0
67.5°	641.0	637.6	664.9	754.7	793.9	1883.6	5125.4	6552.7	6479.0	4489.3	4209.1
69°	565.2	560.6	588.3	692.6	745.6	1245.1	4582.0	6755.4	6760.1	4712.8	4228.8
70°	508.6	511.8	539.3	655.8	729.2	977.3	4063.0	6703.8	6740.6	4796.3	4110.4
72.5°	339.7	348.0	403.3	544.5	701.2	739.6	2453.2	5752.7	5894.3	4608.2	3526.5
75°	191.5	197.7	263.4	410.6	660.7	704.3	1295.8	4238.1	4375.2	3853.5	2719.5
77.5°	93.9	97.3	149.0	265.0	552.5	671.1	734.9	2878.8	3035.3	2515.2	1538.1
80°	39.7	41.5	74.5	163.5	395.0	640.5	545.8	1771.7	1791.2	985.4	409.8
82.5°	15.3	15.8	31.4	102.0	251.0	499.3	456.5	840.0	819.8	185.6	93.4
85°	1.8	2.1	11.4	61.2	139.6	256.9	370.8	362.0	335.0	36.9	48.0
87.5°	0.0	0.0	0.8	18.7	41.5	120.4	192.8	150.3	135.5	11.9	24.9
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: P323205
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8	1549.8
2.5°	1545.9	1543.3	1529.3	1509.1	1489.9	1466.0	1443.2	1429.4	1418.5	1411.2	1419.8
5°	1550.1	1538.7	1496.1	1441.6	1388.1	1327.9	1271.9	1224.4	1205.7	1184.9	1194.3
7.5°	1548.8	1527.2	1450.7	1353.6	1255.5	1154.1	1058.0	984.1	945.7	908.0	917.6
10°	1542.3	1506.0	1390.0	1246.2	1099.3	953.5	817.2	713.7	655.8	603.4	610.9
12.5°	1528.0	1477.4	1318.3	1123.2	926.7	734.4	574.8	442.2	371.1	339.7	343.6
15°	1519.5	1449.6	1242.6	998.6	742.5	511.5	351.4	261.3	228.9	218.5	219.8
17.5°	1515.3	1422.9	1164.2	856.1	554.1	325.7	227.1	200.3	193.3	191.5	192.0
20°	1511.2	1395.9	1083.5	715.2	381.7	219.0	186.6	178.8	176.2	173.9	174.4
22.5°	1504.1	1370.0	996.8	572.5	257.4	177.8	168.2	160.6	155.2	152.3	152.9
25°	1495.6	1342.7	908.3	426.4	187.9	158.6	149.5	138.8	132.4	127.2	127.4
27.5°	1481.8	1309.3	817.0	310.4	157.8	142.0	129.8	118.1	107.2	101.2	101.2
30°	1462.6	1271.4	715.5	222.1	141.4	125.6	110.8	96.3	84.6	79.2	78.6
32.5°	1441.3	1231.9	613.0	168.4	128.5	110.3	93.4	78.1	67.7	63.3	63.1
35°	1423.2	1189.4	510.7	141.2	115.5	95.5	77.1	64.1	55.8	52.2	51.9
37.5°	1411.5	1146.8	411.1	126.1	103.8	81.7	64.6	52.9	47.0	44.1	43.9
40°	1409.7	1115.1	320.0	114.7	92.9	69.5	54.0	44.9	39.4	36.3	36.1
42.5°	1433.3	1097.0	245.5	105.1	81.7	58.9	45.9	38.4	32.7	29.6	29.3
45°	1495.3	1102.7	188.9	96.5	70.6	49.8	38.9	31.9	26.7	24.4	23.9
47.5°	1608.5	1142.1	150.3	88.0	59.9	42.3	33.2	26.5	22.1	19.7	19.5
50°	1809.9	1234.8	125.6	78.6	50.1	36.1	27.5	21.5	17.9	15.8	15.6
52.5°	2077.2	1399.8	112.1	69.5	41.5	30.6	22.6	17.1	14.0	12.5	12.2
55°	2372.0	1599.6	103.3	59.7	34.0	25.4	17.9	13.5	10.9	9.6	9.1
57.5°	2659.8	1772.7	95.0	50.1	28.3	20.8	14.3	10.6	8.6	7.3	7.0
60°	2924.2	1931.8	85.4	40.2	23.1	16.3	11.2	8.3	6.7	5.4	5.4
62.5°	3207.3	2054.8	72.1	31.4	18.9	12.5	9.1	7.5	5.4	4.7	4.4
65°	3507.3	2146.2	56.6	24.4	14.8	9.3	7.5	7.8	4.4	3.4	3.1
67.5°	3729.0	2128.0	41.8	19.2	11.4	7.3	7.3	8.3	3.9	2.6	2.3
69°	3680.2	1980.4	35.0	16.6	9.9	6.2	6.7	8.3	3.6	2.3	2.1
70°	3538.7	1816.9	30.9	14.8	8.8	5.7	6.5	8.0	3.4	2.3	2.1
72.5°	2947.0	1368.4	24.1	11.2	7.0	4.7	5.4	7.0	3.4	2.3	1.8
75°	2216.8	875.9	18.4	8.0	5.2	3.6	4.2	5.2	3.4	2.1	1.8
77.5°	1206.2	315.8	13.2	5.4	3.6	2.9	2.9	3.9	3.1	1.6	1.0
80°	310.1	79.4	8.3	3.6	2.9	2.1	1.8	2.6	1.8	0.3	0.0
82.5°	76.6	17.9	4.4	2.6	2.1	0.8	0.8	1.3	0.8	0.0	0.0
85°	42.0	8.8	2.9	1.8	1.0	0.0	0.0	0.3	0.0	0.0	0.0
87.5°	21.5	2.6	0.8	0.5	0.3	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)