

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: P323245

Luminaire Tested: **GAN-SA1C-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323245
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-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 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: 6134 lumens
Efficiency: N/A
Efficacy: 104.0 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

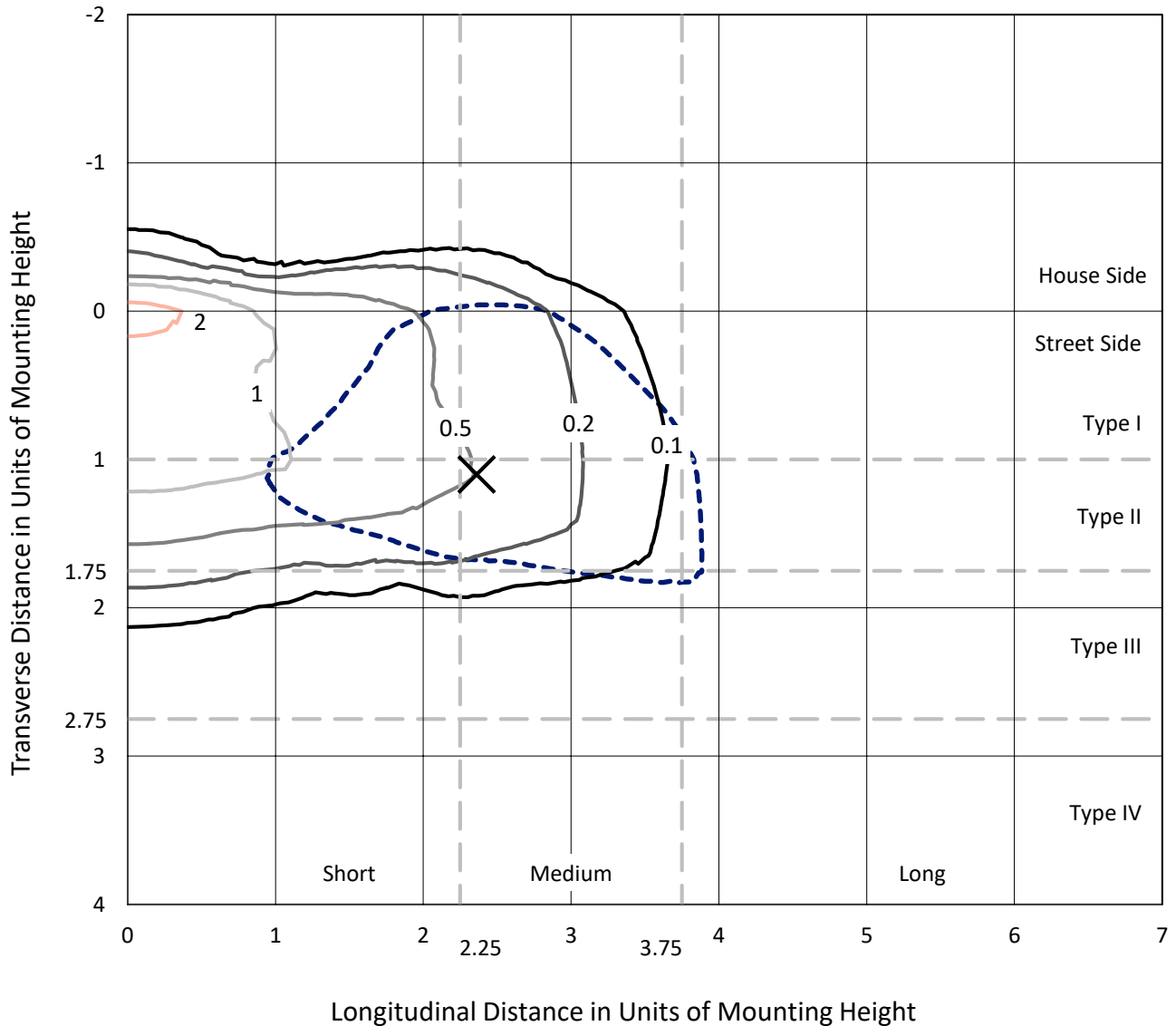
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

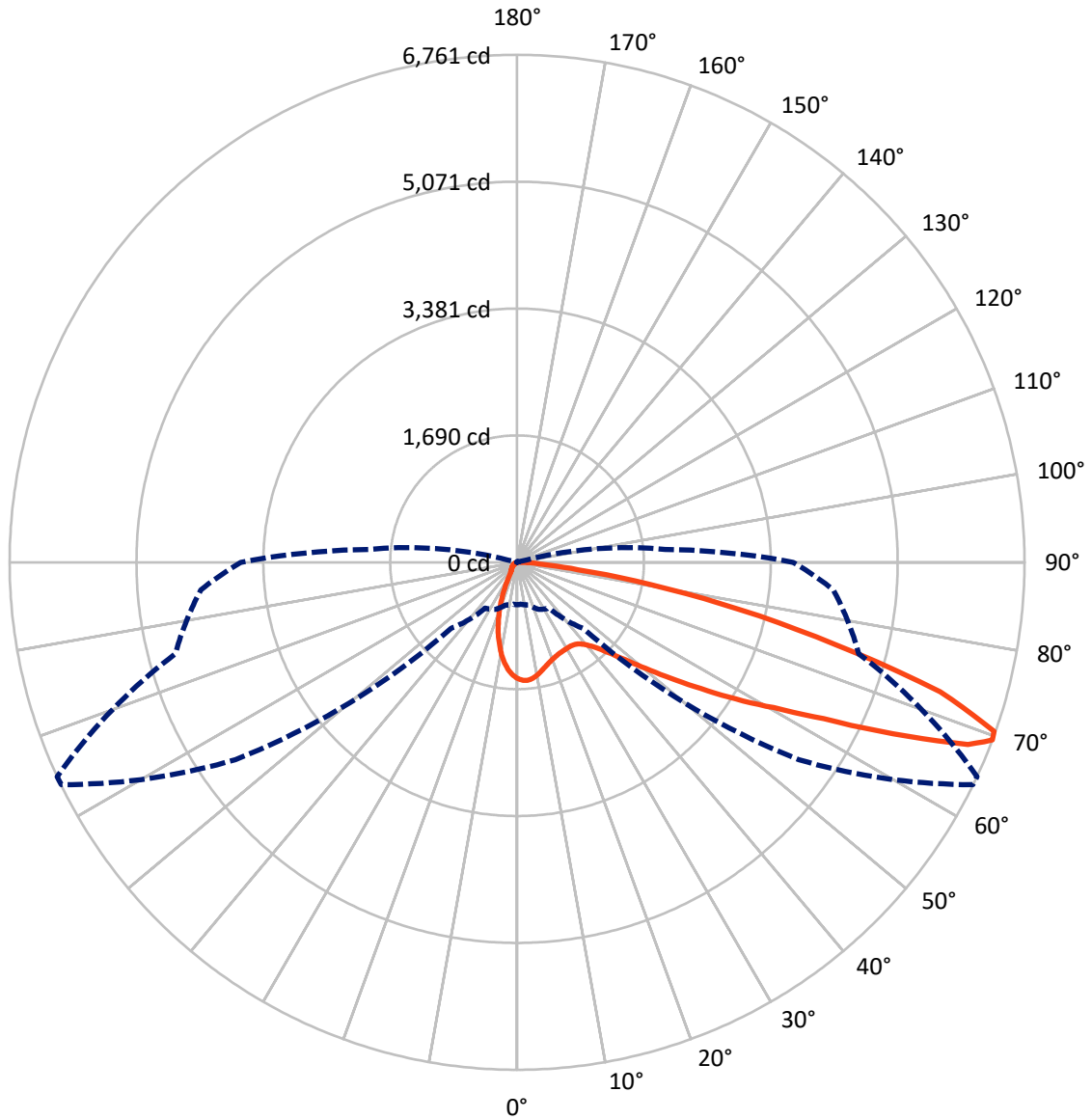
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
House Side	Lumens	723.1	0.0	723.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5410.9	0.0	5410.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	6134.0	0.0	6134.0
	% 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°	393.0	6.4
30°-40°	548.0	8.9
40°-50°	851.7	13.9
50°-60°	1367.3	22.3
60°-70°	1546.7	25.2
70°-80°	908.4	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°	6134.0	100.0
0°-180°	6134.0	100.0

Coefficient of Utilization

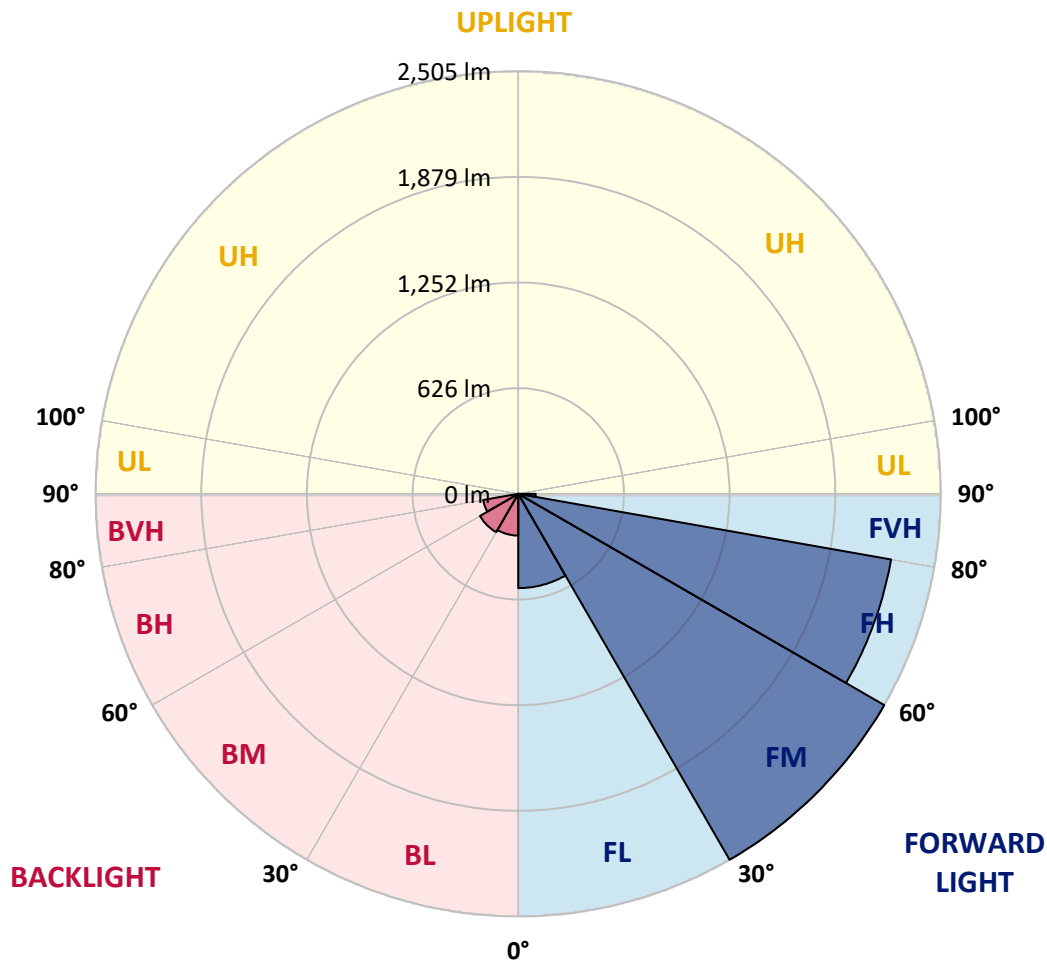


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.0	9.1			
FM (30°-60°)	2505.0	40.8			
FH (60°-80°)	2243.8	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°)	211.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1
2.5°	1563.8	1559.9	1563.1	1569.8	1573.2	1573.2	1575.8	1572.7	1573.7	1566.2	1555.3
5°	1466.0	1460.0	1468.6	1487.5	1510.9	1530.9	1560.5	1576.0	1577.6	1577.8	1565.1
7.5°	1360.6	1355.1	1367.9	1390.2	1420.3	1457.4	1509.1	1554.2	1556.8	1581.2	1571.9
10°	1274.9	1271.0	1285.8	1309.7	1345.0	1386.6	1449.9	1512.7	1520.2	1574.2	1570.8
12.5°	1206.9	1203.8	1217.8	1245.4	1281.4	1327.4	1393.6	1466.5	1476.6	1558.4	1565.6
15°	1157.4	1156.8	1168.5	1195.0	1235.0	1277.8	1345.5	1423.7	1435.3	1541.2	1564.9
17.5°	1131.4	1132.2	1140.8	1163.3	1197.6	1240.2	1305.1	1387.6	1400.3	1525.9	1568.8
20°	1128.8	1129.6	1134.3	1147.0	1174.8	1212.4	1272.1	1357.2	1370.5	1514.5	1575.0
22.5°	1151.7	1151.1	1152.4	1151.1	1166.7	1195.3	1250.3	1333.9	1349.2	1507.0	1579.9
25°	1195.5	1194.7	1194.2	1184.6	1174.2	1189.5	1241.2	1320.6	1335.2	1501.5	1582.8
27.5°	1256.5	1256.0	1255.2	1239.4	1208.2	1198.6	1242.2	1315.7	1327.9	1497.1	1582.3
30°	1336.7	1340.4	1339.3	1317.3	1268.7	1226.4	1253.1	1313.1	1323.7	1488.6	1576.8
32.5°	1430.9	1438.2	1443.9	1420.3	1359.6	1281.4	1278.3	1316.0	1323.7	1482.1	1566.9
35°	1528.8	1538.1	1559.2	1550.9	1470.9	1364.2	1321.7	1333.1	1339.6	1485.7	1562.3
37.5°	1625.1	1636.2	1681.9	1706.1	1616.8	1473.8	1389.1	1375.4	1378.8	1507.8	1567.5
40°	1737.0	1753.8	1823.1	1862.1	1790.9	1620.4	1490.1	1448.1	1449.4	1556.3	1591.6
42.5°	1883.9	1901.3	1976.3	2037.3	1987.2	1805.7	1627.2	1559.2	1557.9	1647.1	1648.4
45°	2063.0	2081.1	2158.7	2226.5	2203.9	2025.3	1802.6	1721.4	1719.8	1790.4	1756.2
47.5°	2265.9	2283.8	2353.1	2423.0	2447.4	2281.8	2026.1	1942.8	1939.1	1989.5	1922.5
50°	2440.1	2451.8	2515.6	2609.6	2719.6	2596.9	2304.1	2223.9	2220.0	2254.0	2166.8
52.5°	2503.4	2510.2	2575.1	2706.7	2981.3	3023.6	2669.3	2566.0	2563.1	2577.9	2492.0
55°	2375.2	2387.4	2467.1	2662.3	3123.0	3505.8	3130.3	2989.6	2968.0	2936.1	2832.0
57.5°	2025.8	2045.3	2131.0	2390.5	3056.8	3888.4	3807.7	3468.7	3437.0	3241.9	3108.5
60°	1517.9	1541.8	1612.9	1892.9	2703.5	4024.7	4548.0	4002.6	3931.2	3485.3	3362.6
62.5°	1041.6	1053.5	1101.8	1284.3	1991.1	3801.5	5167.3	4717.7	4587.4	3750.1	3637.4
65°	795.5	799.7	819.4	882.2	1185.7	3087.9	5413.6	5661.2	5503.6	4066.7	3922.7
67.5°	641.1	637.7	665.0	754.8	794.0	1883.9	5126.2	6553.8	6480.1	4490.1	4209.7
69°	565.3	560.6	588.4	692.8	745.7	1245.4	4582.7	6756.5	6761.2	4713.5	4229.5
70°	508.7	511.8	539.4	655.9	729.4	977.5	4063.6	6704.9	6741.7	4797.1	4111.1
72.5°	339.8	348.1	403.4	544.5	701.3	739.7	2453.6	5753.6	5895.3	4608.9	3527.1
75°	191.6	197.8	263.5	410.6	660.8	704.4	1296.0	4238.8	4375.9	3854.2	2719.9
77.5°	94.0	97.3	149.0	265.0	552.6	671.2	735.1	2879.3	3035.8	2515.6	1538.4
80°	39.7	41.5	74.5	163.5	395.0	640.6	545.8	1772.0	1791.5	985.5	409.8
82.5°	15.3	15.8	31.4	102.0	251.0	499.4	456.6	840.2	819.9	185.6	93.4
85°	1.8	2.1	11.4	61.3	139.6	257.0	370.9	362.1	335.1	36.9	48.0
87.5°	0.0	0.0	0.8	18.7	41.5	120.4	192.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1	1550.1
2.5°	1546.2	1543.6	1529.6	1509.3	1490.1	1466.2	1443.4	1429.6	1418.7	1411.5	1420.0
5°	1550.3	1538.9	1496.3	1441.8	1388.4	1328.2	1272.1	1224.6	1205.9	1185.1	1194.5
7.5°	1549.0	1527.5	1450.9	1353.8	1255.7	1154.2	1058.2	984.2	945.8	908.2	917.8
10°	1542.5	1506.2	1390.2	1246.4	1099.5	953.6	817.3	713.8	655.9	603.5	611.0
12.5°	1528.3	1477.7	1318.5	1123.4	926.9	734.5	574.9	442.3	371.2	339.8	343.7
15°	1519.7	1449.9	1242.8	998.8	742.6	511.6	351.4	261.4	228.9	218.5	219.8
17.5°	1515.6	1423.1	1164.4	856.3	554.2	325.7	227.1	200.4	193.4	191.6	192.1
20°	1511.4	1396.2	1083.6	715.3	381.8	219.1	186.6	178.8	176.2	173.9	174.4
22.5°	1504.4	1370.2	997.0	572.6	257.5	177.8	168.2	160.7	155.2	152.4	152.9
25°	1495.8	1342.9	908.4	426.5	187.9	158.6	149.5	138.9	132.4	127.2	127.4
27.5°	1482.1	1309.5	817.1	310.4	157.8	142.0	129.8	118.1	107.2	101.2	101.2
30°	1462.9	1271.6	715.6	222.2	141.5	125.6	110.8	96.3	84.6	79.2	78.6
32.5°	1441.6	1232.1	613.1	168.5	128.5	110.3	93.4	78.1	67.7	63.3	63.1
35°	1423.4	1189.5	510.8	141.2	115.5	95.5	77.1	64.1	55.8	52.2	51.9
37.5°	1411.7	1147.0	411.1	126.1	103.8	81.8	64.6	52.9	47.0	44.1	43.9
40°	1409.9	1115.3	320.0	114.7	92.9	69.6	54.0	44.9	39.5	36.3	36.1
42.5°	1433.5	1097.1	245.5	105.1	81.8	58.9	45.9	38.4	32.7	29.6	29.3
45°	1495.6	1102.9	189.0	96.6	70.6	49.8	38.9	31.9	26.7	24.4	23.9
47.5°	1608.7	1142.3	150.3	88.0	60.0	42.3	33.2	26.5	22.1	19.7	19.5
50°	1810.1	1235.0	125.6	78.6	50.1	36.1	27.5	21.5	17.9	15.8	15.6
52.5°	2077.5	1400.0	112.1	69.6	41.5	30.6	22.6	17.1	14.0	12.5	12.2
55°	2372.3	1599.9	103.3	59.7	34.0	25.4	17.9	13.5	10.9	9.6	9.1
57.5°	2660.2	1773.0	95.0	50.1	28.3	20.8	14.3	10.6	8.6	7.3	7.0
60°	2924.7	1932.1	85.4	40.2	23.1	16.4	11.2	8.3	6.7	5.5	5.5
62.5°	3207.9	2055.2	72.2	31.4	18.9	12.5	9.1	7.5	5.5	4.7	4.4
65°	3507.9	2146.5	56.6	24.4	14.8	9.3	7.5	7.8	4.4	3.4	3.1
67.5°	3729.6	2128.4	41.8	19.2	11.4	7.3	7.3	8.3	3.9	2.6	2.3
69°	3680.8	1980.7	35.0	16.6	9.9	6.2	6.7	8.3	3.6	2.3	2.1
70°	3539.3	1817.2	30.9	14.8	8.8	5.7	6.5	8.0	3.4	2.3	2.1
72.5°	2947.5	1368.6	24.1	11.2	7.0	4.7	5.5	7.0	3.4	2.3	1.8
75°	2217.1	876.0	18.4	8.0	5.2	3.6	4.2	5.2	3.4	2.1	1.8
77.5°	1206.4	315.9	13.2	5.5	3.6	2.9	2.9	3.9	3.1	1.6	1.0
80°	310.2	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)