

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: P323835

Luminaire Tested: **GAN-SA1B-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323835
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-SA1B-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 4857 lumens
Efficiency: N/A
Efficacy: 110.4 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

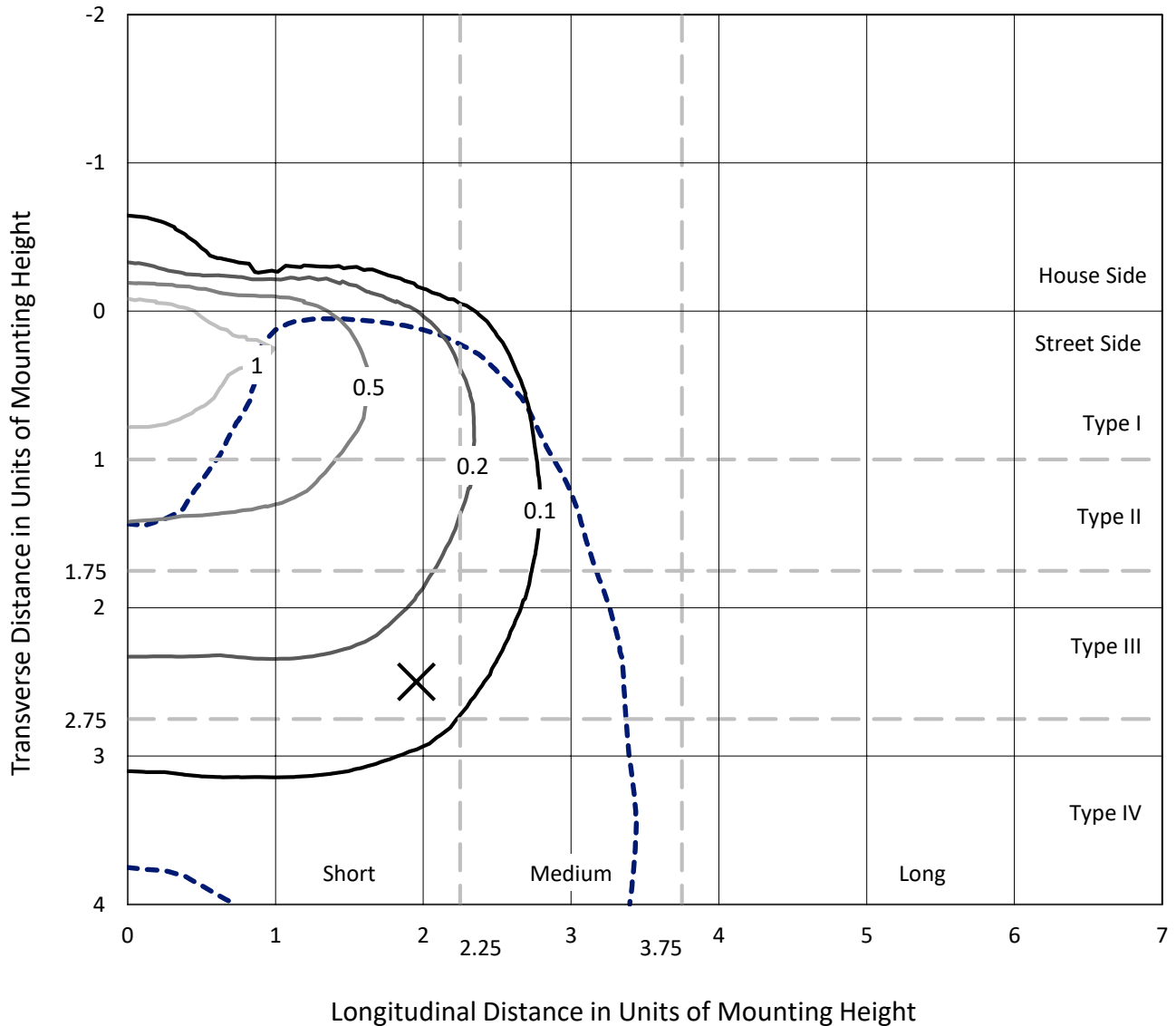
Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323835
 CATALOG NUMBER: GAN-SA1B-740-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

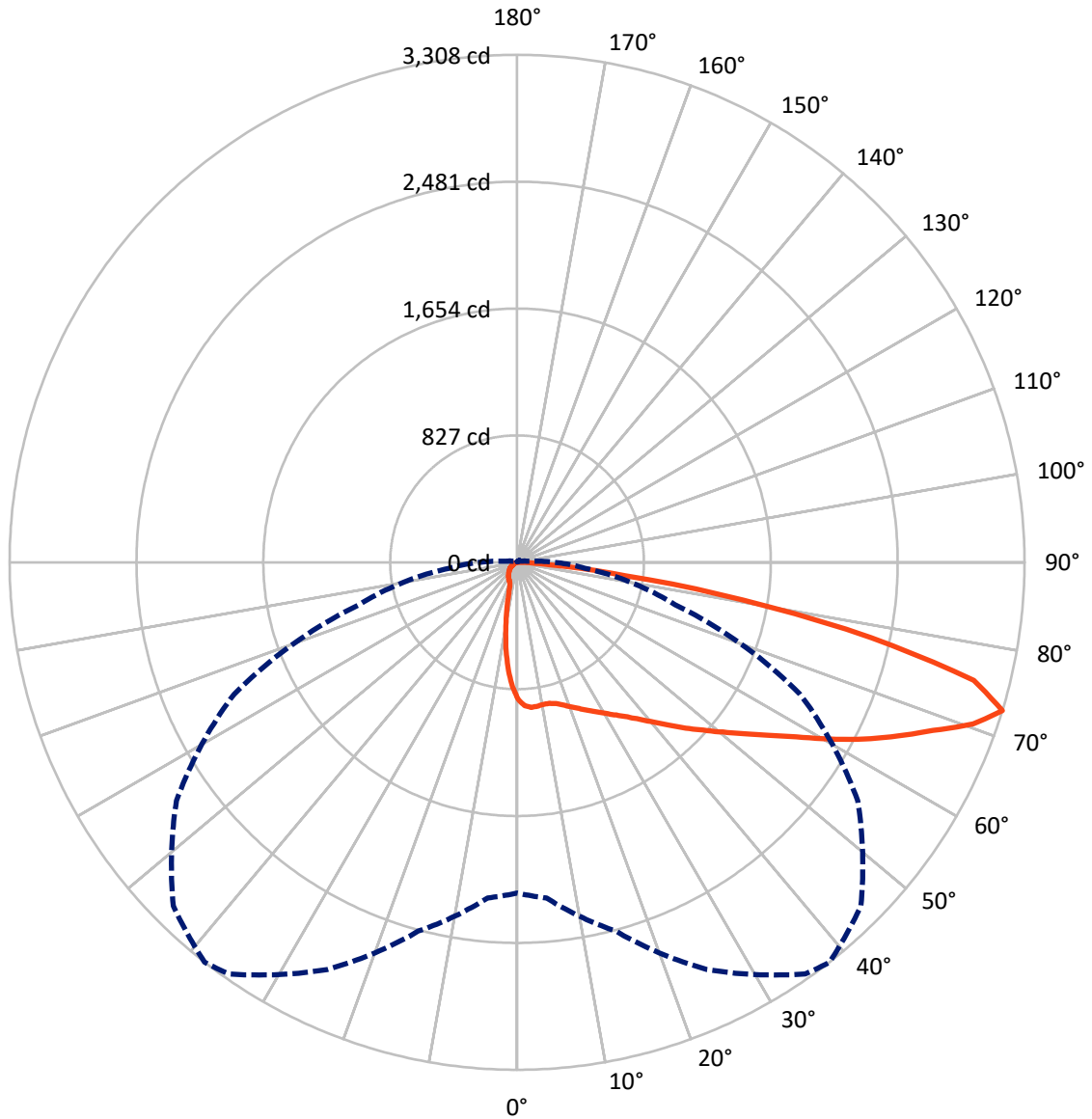
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P323835
CATALOG NUMBER: GAN-SA1B-740-U-SL4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P323835
 CATALOG NUMBER: GAN-SA1B-740-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	408.7	0.0	408.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4448.3	0.0	4448.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	4857.0	0.0	4857.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	1.6
10°-20°	186.1	3.8
20°-30°	296.0	6.1
30°-40°	445.0	9.2
40°-50°	678.9	14.0
50°-60°	959.6	19.8
60°-70°	1203.6	24.8
70°-80°	900.0	18.5
80°-90°	111.6	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°	4857.0	100.0
0°-180°	4857.0	100.0

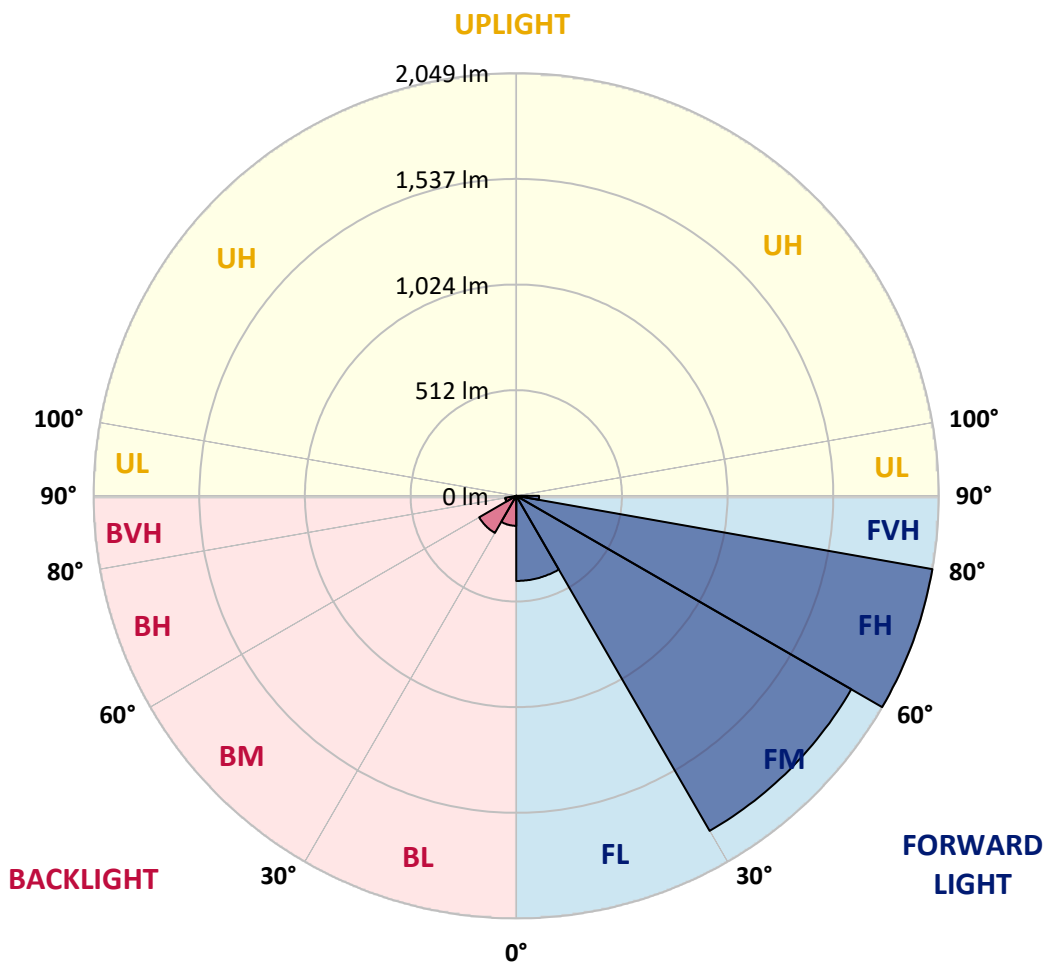


REPORT NUMBER: P323835
 CATALOG NUMBER: GAN-SA1B-740-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.7	8.5			
FM (30°-60°)	1876.0	38.6			
FH (60°-80°)	2049.0	42.2			G2/5000
FVH (80°-90°)	110.6	2.3			G2/225
BL (0°-30°)	145.5	3.0	B1/500		
BM (30°-60°)	207.6	4.3	B0/220		
BH (60°-80°)	54.6	1.1	B0/110		G0/110
BVH (80°-90°)	1.0	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: P323835
 CATALOG NUMBER: GAN-SA1B-740-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2
2.5°	948.1	948.3	946.0	942.4	937.8	935.3	931.3	924.9	918.0	905.7	892.4
5°	967.4	967.4	964.6	959.8	952.3	950.1	942.4	932.1	918.0	898.0	875.6
7.5°	965.4	965.8	962.0	956.9	949.5	947.4	938.2	926.7	909.1	884.9	856.3
10°	954.9	955.9	952.9	950.5	943.6	941.4	932.7	921.2	903.7	877.9	845.0
12.5°	944.2	945.2	946.2	948.5	944.2	943.4	936.6	926.9	910.1	883.3	846.2
15°	937.4	939.4	946.6	955.3	956.3	955.5	951.1	942.0	925.1	897.2	854.9
17.5°	937.4	940.6	955.7	972.3	978.1	978.7	974.9	962.2	942.0	912.1	862.9
20°	945.2	949.7	973.3	996.7	1006.3	1006.3	998.9	981.1	957.5	925.7	868.4
22.5°	965.4	971.2	1000.9	1027.9	1038.2	1036.0	1025.9	1000.1	973.7	941.0	875.2
25°	1005.1	1009.6	1040.4	1067.7	1073.9	1068.9	1056.2	1023.1	994.2	961.8	887.7
27.5°	1056.4	1057.0	1088.8	1111.8	1108.0	1104.6	1088.6	1051.9	1023.9	991.4	909.3
30°	1112.7	1112.7	1140.7	1158.2	1146.5	1143.7	1127.8	1086.8	1061.8	1031.8	940.0
32.5°	1167.1	1169.5	1192.3	1203.4	1190.3	1187.5	1172.0	1131.0	1112.2	1093.3	987.8
35°	1219.8	1221.6	1243.2	1249.2	1236.7	1237.5	1226.4	1191.7	1184.7	1182.2	1059.8
37.5°	1270.8	1271.2	1293.2	1297.0	1290.8	1297.6	1298.6	1268.0	1281.1	1300.6	1161.3
40°	1317.4	1317.8	1339.6	1349.5	1360.2	1369.0	1376.9	1360.6	1403.9	1449.3	1282.1
42.5°	1354.7	1358.9	1386.6	1405.3	1433.6	1450.5	1471.9	1471.1	1550.2	1618.3	1428.1
45°	1387.6	1394.8	1433.4	1466.3	1514.7	1541.7	1575.2	1601.4	1714.8	1806.5	1576.0
47.5°	1431.0	1437.8	1481.8	1535.6	1600.2	1635.7	1691.2	1747.8	1895.7	1991.3	1720.4
50°	1492.1	1489.0	1532.4	1609.7	1692.6	1739.2	1818.2	1903.2	2075.2	2152.3	1805.3
52.5°	1557.2	1556.0	1588.1	1690.2	1801.5	1856.0	1960.5	2063.7	2246.9	2263.2	1844.3
55°	1637.9	1629.2	1656.3	1781.9	1930.8	1989.3	2112.3	2222.7	2383.6	2325.8	1863.8
57.5°	1722.4	1708.1	1733.9	1884.2	2076.6	2145.8	2280.6	2377.6	2474.6	2368.5	1863.6
60°	1809.8	1792.8	1823.5	2012.1	2257.8	2337.9	2462.9	2482.3	2559.5	2390.1	1849.9
62.5°	1882.8	1872.7	1918.3	2148.9	2460.1	2538.8	2600.7	2577.5	2631.1	2406.8	1817.8
65°	1960.0	1960.7	2034.3	2308.4	2675.1	2728.2	2733.4	2700.9	2691.1	2403.4	1709.3
67.5°	2064.5	2074.2	2197.1	2525.0	2884.3	2925.2	2924.8	2834.7	2734.8	2267.1	1468.7
70°	2175.1	2197.9	2384.7	2773.0	3112.6	3154.2	3132.8	2919.8	2575.1	1833.2	1039.4
72.5°	2156.5	2196.1	2488.9	2929.3	3276.6	3308.3	3169.3	2710.6	2035.3	1065.4	442.6
75°	1663.7	1709.5	2282.2	2774.4	3104.6	3076.1	2723.1	2109.3	1112.2	297.3	99.6
77.5°	878.9	903.3	1507.6	2113.6	2420.8	2361.3	1918.3	1170.1	339.1	73.6	44.8
80°	460.3	466.0	657.0	1199.2	1494.1	1494.5	1136.9	514.0	139.8	37.7	30.1
82.5°	246.5	251.3	347.1	554.1	782.8	709.6	435.3	282.8	81.3	21.4	28.8
85°	59.3	60.3	196.9	253.2	307.8	219.9	129.3	237.4	22.0	12.5	23.4
87.5°	22.8	23.2	73.0	109.5	78.5	50.8	60.5	88.6	2.8	4.8	3.6
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: P323835
 CATALOG NUMBER: GAN-SA1B-740-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2
2.5°	884.3	879.1	866.2	849.8	835.3	824.8	809.1	798.8	791.9	791.7	789.1
5°	861.9	851.2	823.4	790.3	760.3	733.2	701.4	676.1	657.4	654.4	647.9
7.5°	837.9	820.4	777.6	726.0	675.5	624.3	564.8	527.9	496.2	481.1	479.5
10°	823.2	798.6	737.9	663.2	584.2	500.9	423.0	369.1	330.2	319.1	310.8
12.5°	820.2	787.7	707.2	604.3	491.4	381.2	295.1	237.8	206.8	196.9	194.2
15°	823.2	782.6	681.4	546.0	397.4	270.5	198.1	164.8	153.1	150.3	150.1
17.5°	825.0	776.6	652.1	481.3	306.2	193.2	151.7	142.0	140.2	140.0	140.4
20°	824.8	767.3	617.2	409.1	227.7	151.9	137.2	135.1	134.7	134.9	134.7
22.5°	823.4	756.4	578.9	334.6	172.1	135.8	130.9	129.7	129.5	129.5	129.5
25°	826.0	747.8	536.8	263.4	141.8	128.3	125.3	124.3	124.1	124.1	123.7
27.5°	835.5	742.9	490.6	202.7	128.1	121.6	119.2	119.0	118.4	118.2	118.6
30°	850.8	742.9	439.9	157.7	119.8	114.8	113.0	112.6	112.4	112.2	112.4
32.5°	877.9	748.6	384.7	131.1	112.0	107.1	105.9	106.5	105.9	105.9	105.9
35°	926.7	765.5	326.8	114.4	103.7	99.6	98.4	99.2	98.8	98.8	98.6
37.5°	997.9	797.0	268.5	104.3	96.4	92.2	90.6	91.8	91.4	91.4	91.2
40°	1084.6	842.8	213.0	96.6	89.4	84.9	83.5	84.1	83.1	83.1	83.5
42.5°	1191.7	900.9	164.6	89.2	82.3	78.1	77.3	76.7	74.8	73.8	74.0
45°	1310.7	961.4	128.3	81.9	75.6	72.2	71.0	69.4	66.4	64.3	64.5
47.5°	1417.0	1008.0	104.3	74.8	69.6	67.0	65.2	62.1	57.7	55.3	55.5
50°	1472.9	1015.0	88.8	67.8	63.9	61.3	58.7	54.1	48.8	46.2	46.0
52.5°	1487.2	981.9	77.3	61.3	58.3	55.3	51.8	45.6	39.7	36.9	36.5
55°	1492.5	931.5	67.0	55.3	52.2	48.8	44.4	37.3	31.9	29.0	28.8
57.5°	1475.1	856.3	58.9	49.8	46.2	42.0	36.5	29.9	24.6	22.4	22.4
60°	1436.6	754.4	52.6	44.0	39.9	35.1	29.5	23.2	18.4	16.5	16.5
62.5°	1359.7	622.5	46.8	37.9	34.1	29.0	23.8	17.5	12.9	11.9	12.1
65°	1214.7	472.2	40.9	32.5	29.0	24.0	18.6	12.5	8.7	8.7	9.1
67.5°	990.6	328.0	34.9	27.6	25.0	19.6	14.1	8.7	6.1	6.9	7.7
70°	655.8	184.0	29.9	22.8	21.4	15.5	10.5	5.8	4.8	6.5	7.9
72.5°	247.5	71.6	25.0	18.4	18.6	11.9	7.5	4.4	4.4	7.1	9.3
75°	69.0	35.1	18.0	13.5	14.5	8.7	5.4	3.8	4.2	8.1	10.9
77.5°	40.5	25.8	11.7	7.9	9.9	6.1	3.6	3.0	3.6	6.9	10.5
80°	32.7	13.7	6.9	4.0	5.4	3.4	2.4	1.8	1.0	2.6	5.4
82.5°	32.7	8.3	3.2	2.8	2.8	1.8	1.2	0.8	0.2	0.0	1.4
85°	22.0	3.4	2.0	1.8	1.4	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	3.6	1.4	0.8	0.4	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)