

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: P323875

Luminaire Tested: **GAN-SA1B-750-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323875  
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-750-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K, 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: 4856 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

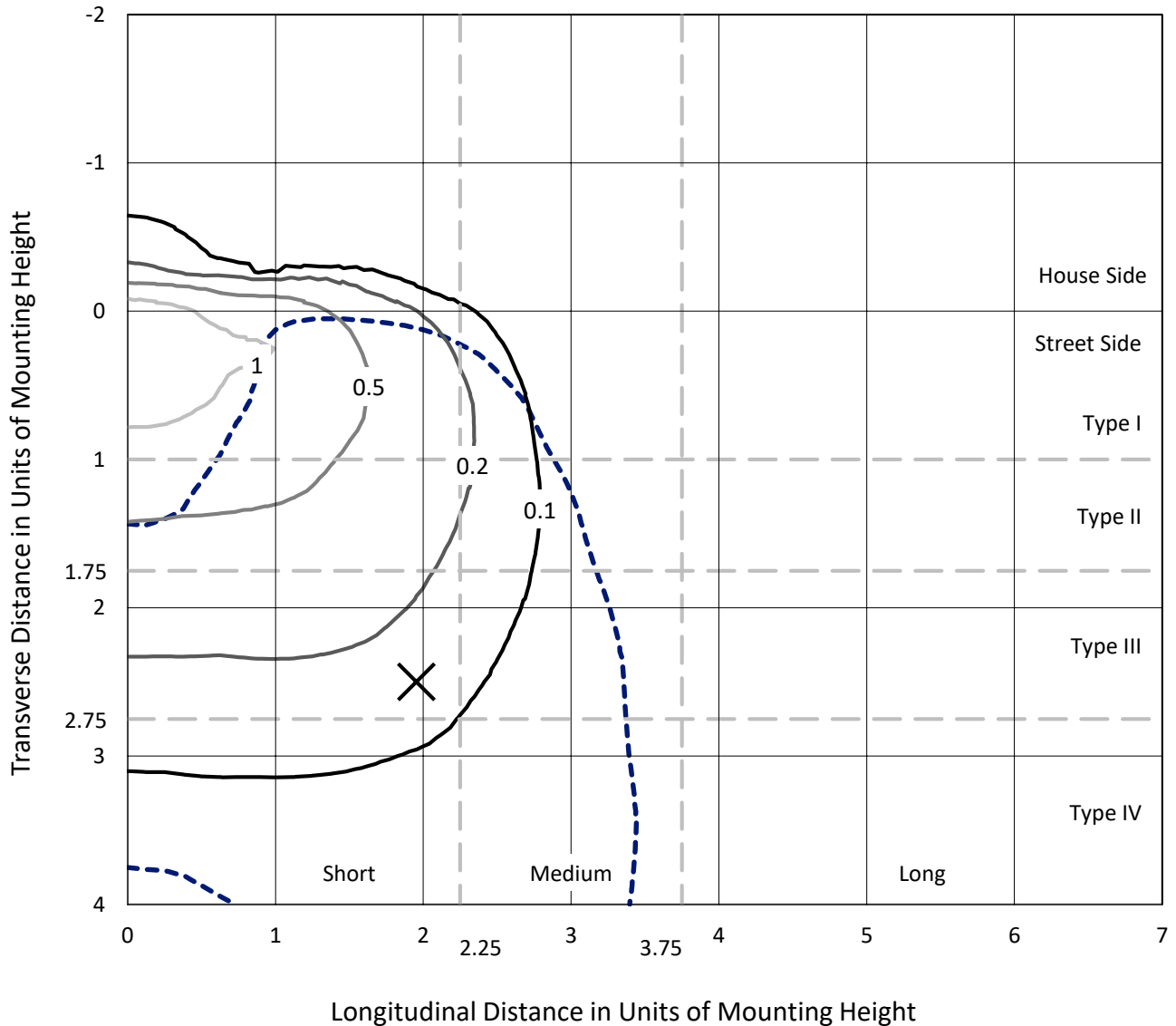
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

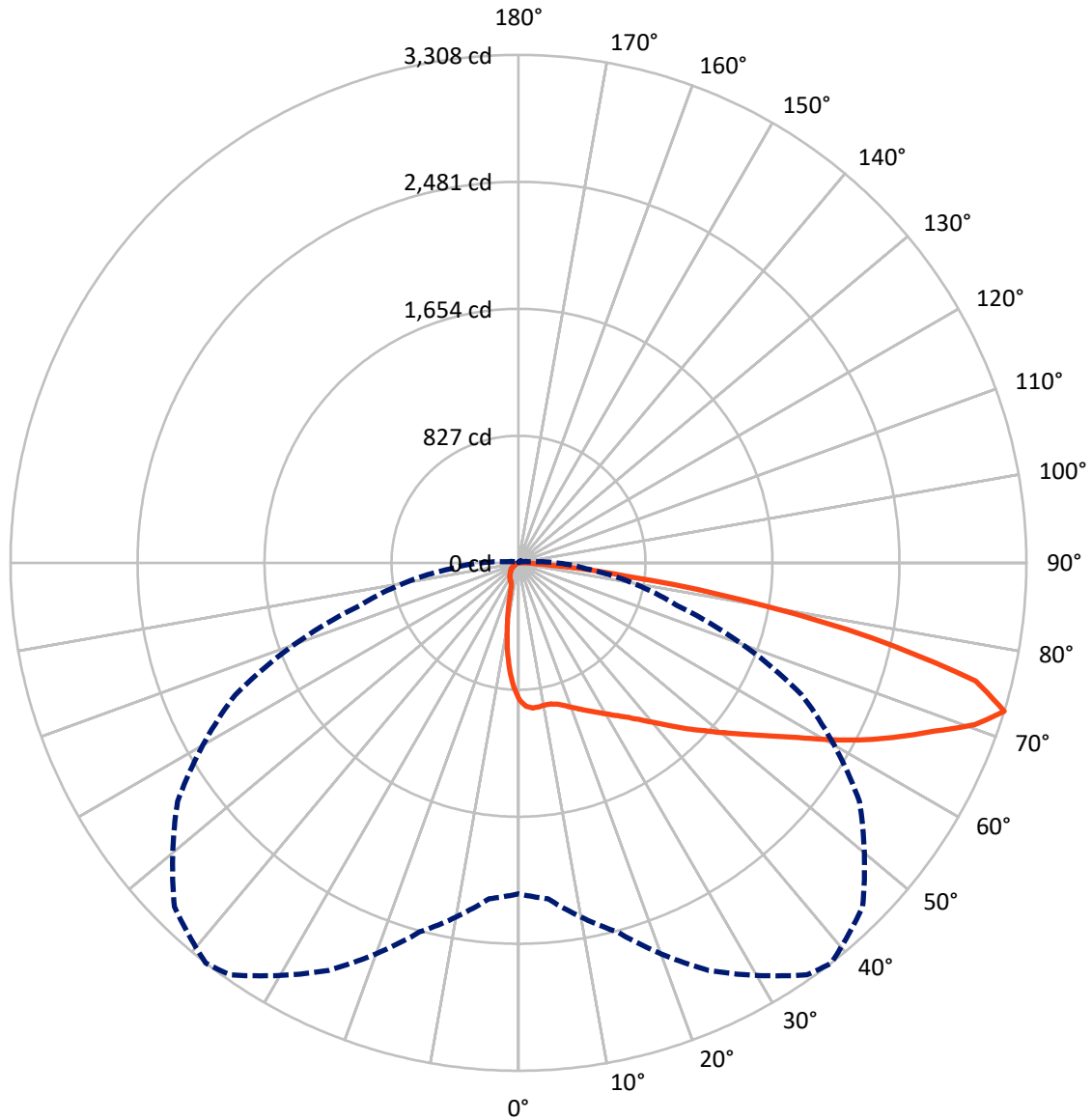
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	408.6	0.0	408.6
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	4447.4	0.0	4447.4
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	4856.0	0.0	4856.0
	% Fixture	100.0	0.0	100.0

**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°	678.8	14.0
50°-60°	959.4	19.8
60°-70°	1203.4	24.8
70°-80°	899.8	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°	4856.0	100.0
0°-180°	4856.0	100.0

**Coefficient of Utilization**

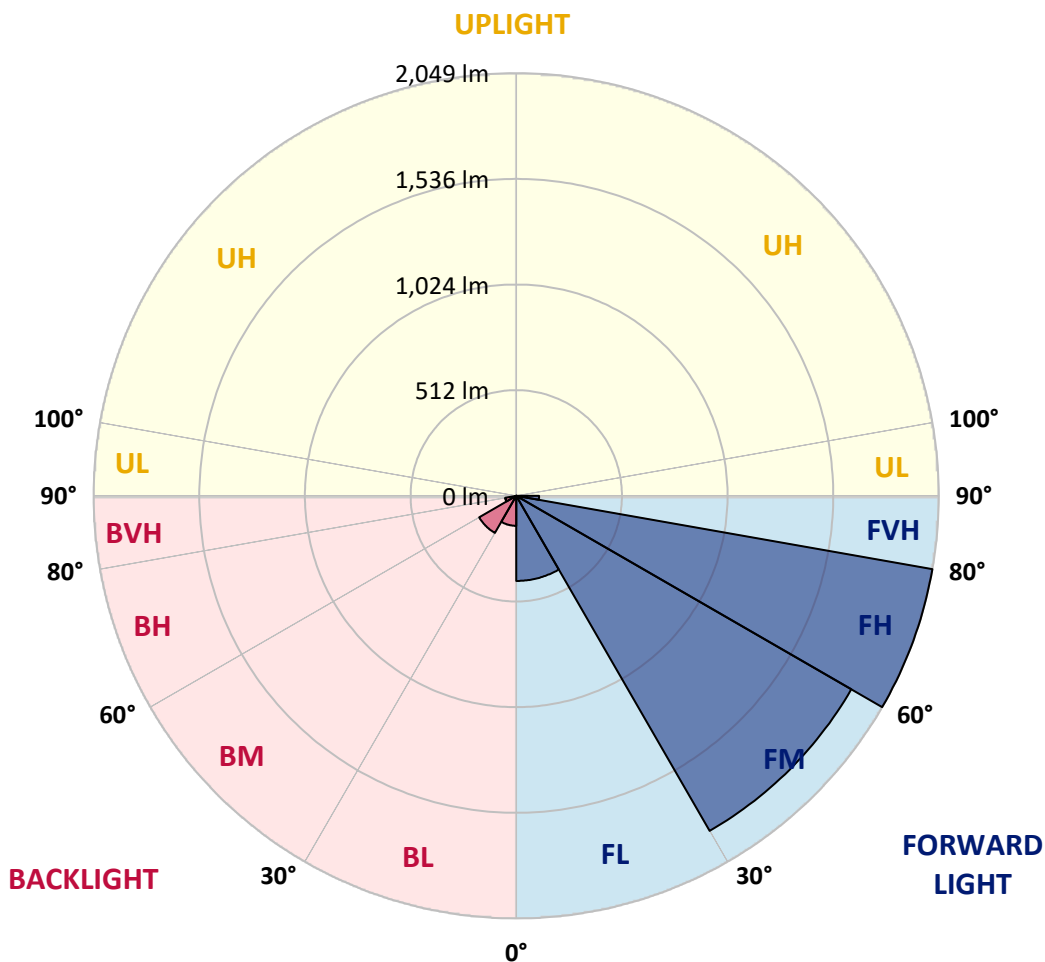


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.6	8.5			
FM (30°-60°)	1875.6	38.6			
FH (60°-80°)	2048.6	42.2			G2/5000
FVH (80°-90°)	110.5	2.3			G2/225
BL (0°-30°)	145.5	3.0	B1/500		
BM (30°-60°)	207.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0
2.5°	947.9	948.1	945.8	942.2	937.6	935.2	931.1	924.7	917.8	905.5	892.2
5°	967.2	967.2	964.4	959.6	952.1	949.9	942.2	931.9	917.8	897.8	875.5
7.5°	965.2	965.6	961.8	956.7	949.3	947.3	938.0	926.5	908.9	884.7	856.1
10°	954.7	955.7	952.7	950.3	943.4	941.2	932.5	921.0	903.5	877.7	844.8
12.5°	944.0	945.0	946.0	948.3	944.0	943.2	936.4	926.7	909.9	883.1	846.0
15°	937.2	939.2	946.4	955.1	956.1	955.3	950.9	941.8	924.9	897.0	854.7
17.5°	937.2	940.4	955.5	972.1	977.9	978.5	974.7	962.0	941.8	912.0	862.8
20°	945.0	949.5	973.1	996.5	1006.1	1006.1	998.7	980.9	957.3	925.5	868.2
22.5°	965.2	971.0	1000.7	1027.7	1038.0	1035.8	1025.7	999.9	973.5	940.8	875.1
25°	1004.9	1009.4	1040.2	1067.4	1073.7	1068.7	1056.0	1022.9	994.0	961.6	887.6
27.5°	1056.2	1056.8	1088.6	1111.6	1107.8	1104.4	1088.4	1051.7	1023.7	991.2	909.1
30°	1112.4	1112.4	1140.5	1158.0	1146.3	1143.5	1127.5	1086.6	1061.6	1031.6	939.8
32.5°	1166.9	1169.3	1192.1	1203.2	1190.1	1187.2	1171.7	1130.8	1112.0	1093.1	987.6
35°	1219.5	1221.3	1242.9	1249.0	1236.4	1237.3	1226.2	1191.5	1184.4	1182.0	1059.6
37.5°	1270.5	1270.9	1292.9	1296.7	1290.5	1297.4	1298.4	1267.7	1280.8	1300.4	1161.0
40°	1317.1	1317.5	1339.3	1349.2	1359.9	1368.7	1376.6	1360.3	1403.6	1449.0	1281.8
42.5°	1354.4	1358.7	1386.3	1405.0	1433.3	1450.2	1471.6	1470.8	1549.8	1618.0	1427.8
45°	1387.3	1394.6	1433.1	1466.0	1514.4	1541.4	1574.9	1601.1	1714.4	1806.2	1575.7
47.5°	1430.7	1437.5	1481.5	1535.3	1599.9	1635.4	1690.8	1747.5	1895.3	1990.9	1720.1
50°	1491.8	1488.7	1532.1	1609.3	1692.2	1738.8	1817.9	1902.8	2074.8	2151.8	1805.0
52.5°	1556.9	1555.7	1587.8	1689.8	1801.1	1855.6	1960.0	2063.3	2246.4	2262.8	1843.9
55°	1637.6	1628.9	1655.9	1781.6	1930.4	1988.9	2111.9	2222.2	2383.2	2325.3	1863.4
57.5°	1722.1	1707.8	1733.6	1883.8	2076.2	2145.4	2280.1	2377.1	2474.1	2368.0	1863.2
60°	1809.4	1792.5	1823.1	2011.7	2257.3	2337.4	2462.4	2481.8	2559.0	2389.6	1849.5
62.5°	1882.4	1872.3	1917.9	2148.4	2459.6	2538.2	2600.2	2577.0	2630.6	2406.3	1817.5
65°	1959.6	1960.2	2033.9	2307.9	2674.6	2727.6	2732.9	2700.4	2690.5	2402.9	1709.0
67.5°	2064.1	2073.8	2196.6	2524.5	2883.7	2924.6	2924.2	2834.1	2734.3	2266.6	1468.4
70°	2174.6	2197.4	2384.2	2772.4	3112.0	3153.5	3132.2	2919.2	2574.5	1832.8	1039.2
72.5°	2156.1	2195.6	2488.4	2928.7	3276.0	3307.6	3168.7	2710.1	2034.9	1065.2	442.5
75°	1663.4	1709.2	2281.7	2773.8	3103.9	3075.5	2722.6	2108.9	1112.0	297.3	99.6
77.5°	878.7	903.1	1507.3	2113.1	2420.3	2360.8	1917.9	1169.9	339.0	73.6	44.8
80°	460.2	465.9	656.8	1198.9	1493.8	1494.2	1136.6	513.9	139.8	37.7	30.0
82.5°	246.4	251.3	347.1	554.0	782.7	709.5	435.2	282.7	81.3	21.4	28.8
85°	59.3	60.3	196.8	253.1	307.8	219.8	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	88.5	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0
2.5°	884.1	878.9	866.0	849.6	835.1	824.6	808.9	798.6	791.8	791.6	788.9
5°	861.7	851.1	823.2	790.1	760.1	733.1	701.2	676.0	657.2	654.2	647.8
7.5°	837.7	820.2	777.4	725.8	675.4	624.2	564.7	527.8	496.1	481.0	479.4
10°	823.0	798.4	737.7	663.1	584.0	500.8	422.9	369.1	330.1	319.0	310.8
12.5°	820.0	787.5	707.1	604.2	491.3	381.2	295.0	237.8	206.7	196.8	194.2
15°	823.0	782.5	681.2	545.9	397.3	270.4	198.0	164.8	153.1	150.2	150.0
17.5°	824.8	776.4	652.0	481.2	306.1	193.2	151.7	142.0	140.2	140.0	140.4
20°	824.6	767.2	617.1	409.0	227.7	151.9	137.1	135.1	134.7	134.9	134.7
22.5°	823.2	756.3	578.8	334.6	172.0	135.7	130.9	129.7	129.5	129.5	129.5
25°	825.8	747.6	536.6	263.4	141.8	128.3	125.2	124.2	124.0	124.0	123.6
27.5°	835.3	742.8	490.5	202.7	128.1	121.6	119.2	119.0	118.4	118.2	118.6
30°	850.7	742.8	439.8	157.7	119.8	114.8	112.9	112.5	112.3	112.1	112.3
32.5°	877.7	748.4	384.6	131.1	111.9	107.1	105.9	106.5	105.9	105.9	105.9
35°	926.5	765.3	326.7	114.3	103.7	99.6	98.4	99.2	98.8	98.8	98.6
37.5°	997.7	796.8	268.4	104.3	96.4	92.2	90.6	91.8	91.4	91.4	91.2
40°	1084.4	842.6	213.0	96.6	89.3	84.9	83.5	84.1	83.1	83.1	83.5
42.5°	1191.5	900.7	164.6	89.1	82.3	78.0	77.2	76.6	74.8	73.8	74.0
45°	1310.5	961.2	128.3	81.9	75.6	72.2	71.0	69.4	66.3	64.3	64.5
47.5°	1416.7	1007.8	104.3	74.8	69.6	67.0	65.1	62.1	57.7	55.3	55.5
50°	1472.6	1014.8	88.7	67.8	63.9	61.3	58.7	54.0	48.8	46.2	46.0
52.5°	1486.9	981.7	77.2	61.3	58.3	55.3	51.8	45.6	39.7	36.9	36.5
55°	1492.2	931.3	67.0	55.3	52.2	48.8	44.4	37.3	31.9	29.0	28.8
57.5°	1474.8	856.1	58.9	49.8	46.2	41.9	36.5	29.8	24.6	22.4	22.4
60°	1436.3	754.3	52.6	44.0	39.9	35.1	29.4	23.2	18.4	16.5	16.5
62.5°	1359.5	622.4	46.8	37.9	34.1	29.0	23.8	17.5	12.9	11.9	12.1
65°	1214.5	472.1	40.9	32.5	29.0	24.0	18.6	12.5	8.7	8.7	9.1
67.5°	990.4	327.9	34.9	27.6	25.0	19.6	14.1	8.7	6.1	6.9	7.7
70°	655.6	183.9	29.8	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	17.9	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)