

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: P318115

Luminaire Tested: **GAN-SA1B-750-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-750-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5871 lumens
Efficiency: N/A
Efficacy: 133.4 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

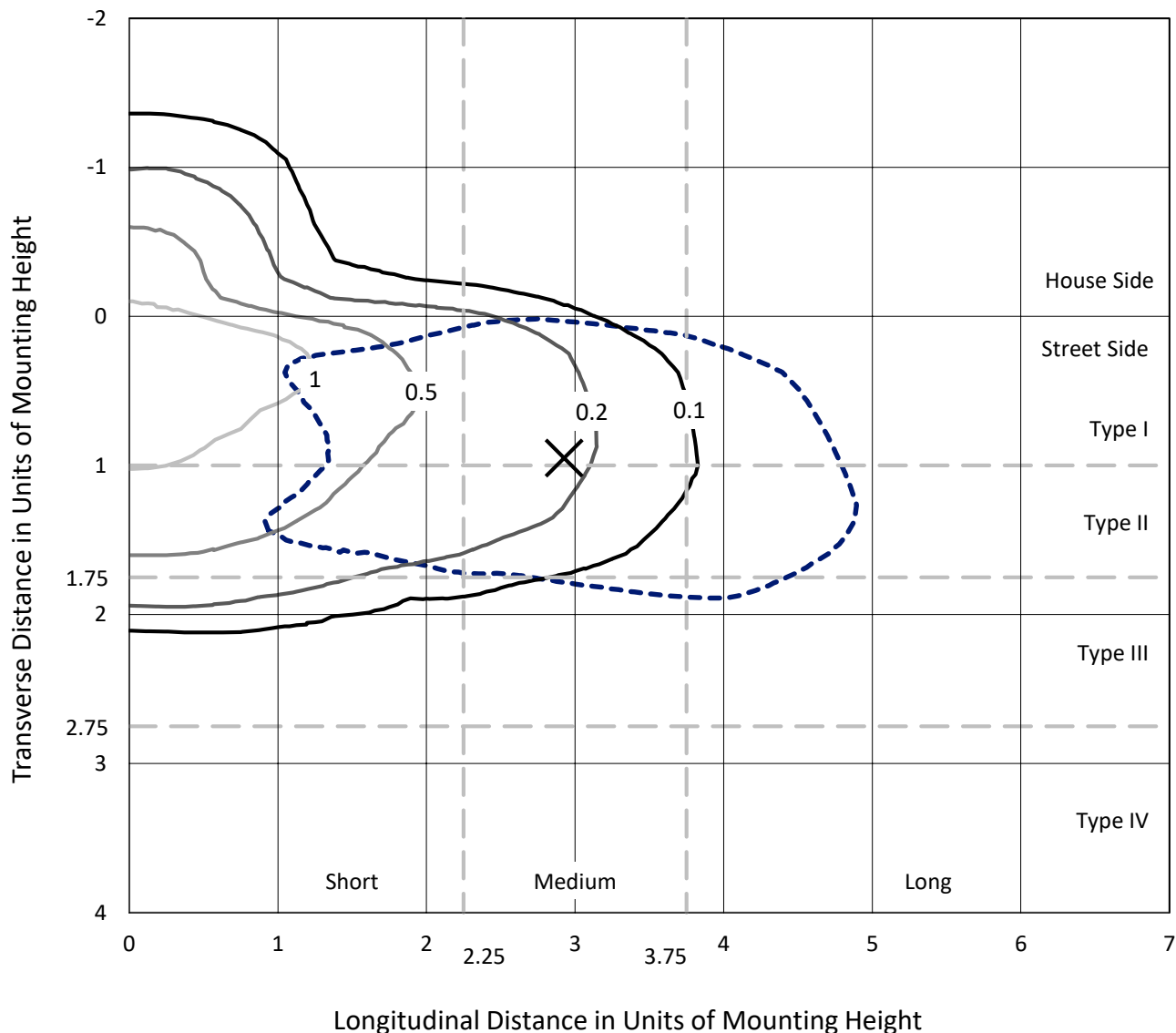
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

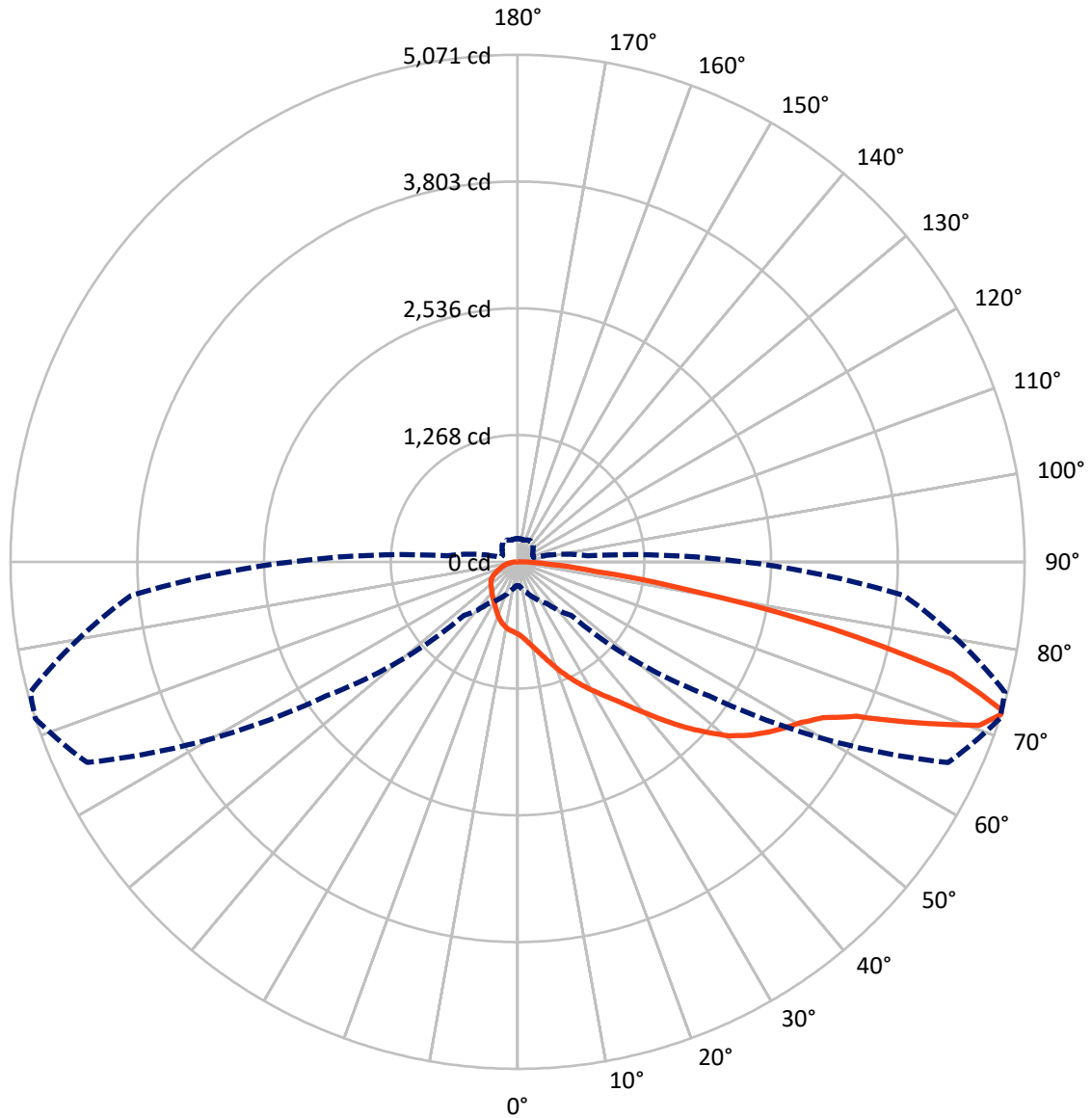
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1089.1	0.0	1089.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4781.9	0.0	4781.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	5871.0	0.0	5871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.2
10°-20°	233.9	4.0
20°-30°	409.8	7.0
30°-40°	607.7	10.4
40°-50°	888.7	15.1
50°-60°	1222.9	20.8
60°-70°	1361.5	23.2
70°-80°	922.5	15.7
80°-90°	151.6	2.6
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°	5871.0	100.0
0°-180°	5871.0	100.0

Coefficient of Utilization

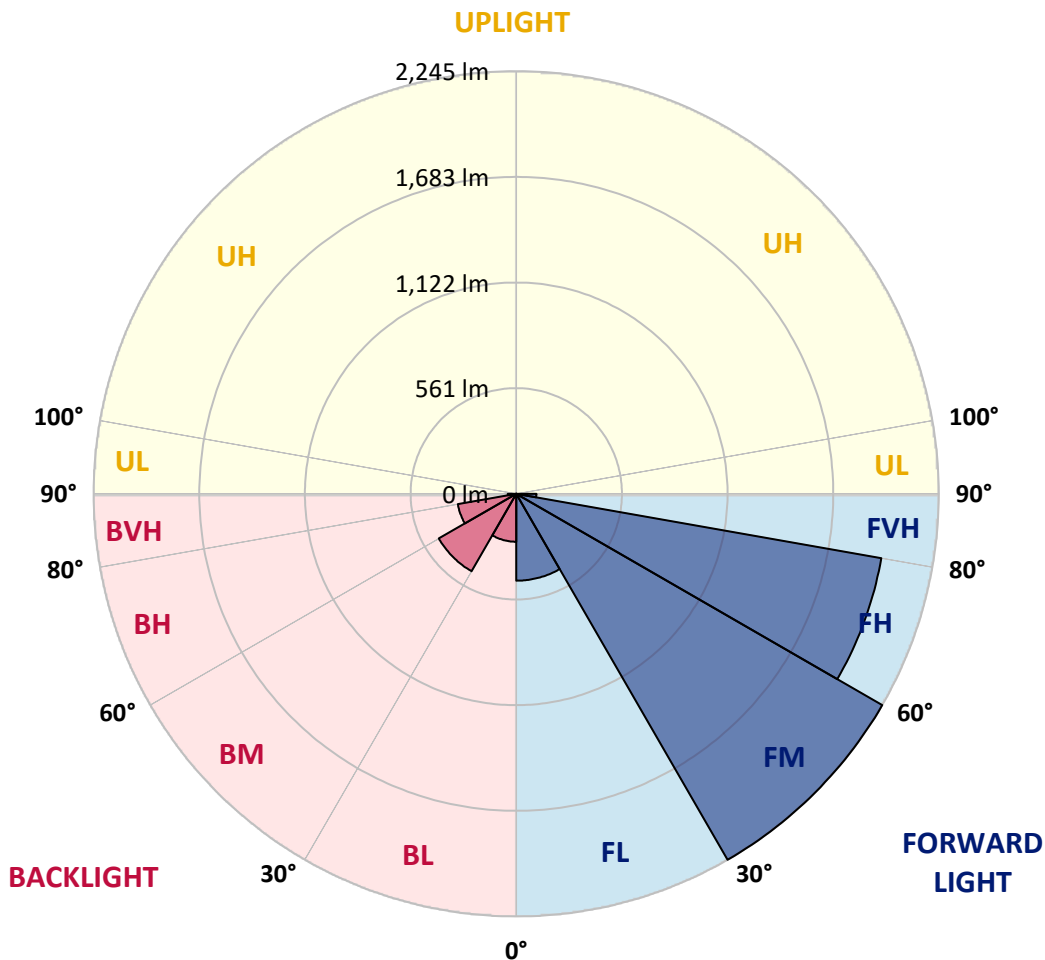


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	461.5	7.9			
FM (30°-60°)	2244.6	38.2			
FH (60°-80°)	1968.9	33.5			G2/5000
FVH (80°-90°)	107.0	1.8			G2/225
BL (0°-30°)	254.6	4.3	B1/500		
BM (30°-60°)	474.8	8.1	B1/1000		
BH (60°-80°)	315.1	5.4	B1/500		G1/500
BVH (80°-90°)	44.7	0.8			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°	65°	72°	75°	85°
0°	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3
2.5°	797.9	796.7	792.4	792.4	784.3	777.5	764.5	755.8	745.5	741.9	729.8
5°	875.1	875.5	870.3	866.6	854.7	840.1	818.1	798.1	778.1	770.0	745.1
7.5°	940.0	939.2	937.8	934.7	923.6	908.7	879.0	849.2	819.7	807.6	764.7
10°	981.6	983.5	984.7	986.1	981.4	970.7	942.6	906.4	867.8	851.3	788.2
12.5°	1002.7	1005.9	1011.6	1021.3	1028.9	1027.7	1007.3	968.9	923.0	902.2	817.5
15°	1015.0	1019.2	1028.1	1045.5	1067.2	1079.5	1074.0	1039.3	988.1	962.4	853.3
17.5°	1022.7	1026.1	1039.9	1063.1	1095.3	1128.0	1142.4	1113.2	1061.7	1032.4	894.3
20°	1027.9	1030.6	1047.7	1075.0	1116.7	1168.8	1208.9	1201.6	1142.8	1104.8	937.2
22.5°	1039.7	1041.9	1058.3	1085.8	1131.8	1199.2	1272.9	1283.9	1228.3	1185.2	983.1
25°	1072.4	1072.4	1086.2	1105.4	1148.6	1225.4	1327.1	1375.4	1315.6	1265.5	1025.5
27.5°	1134.9	1134.3	1139.3	1146.0	1178.7	1252.1	1375.4	1456.3	1406.2	1351.4	1066.8
30°	1208.9	1212.9	1213.5	1210.3	1225.6	1285.5	1420.1	1541.6	1497.3	1438.3	1109.0
32.5°	1304.1	1306.7	1303.7	1293.0	1290.7	1332.8	1464.0	1631.0	1596.0	1529.1	1147.6
35°	1425.0	1419.9	1410.4	1388.6	1367.8	1396.1	1514.1	1720.3	1706.8	1638.8	1200.8
37.5°	1554.5	1554.7	1543.0	1493.5	1464.8	1476.9	1583.2	1821.6	1840.8	1769.4	1268.9
40°	1658.4	1663.9	1671.2	1606.1	1568.9	1585.7	1671.2	1939.0	1999.3	1924.3	1357.6
42.5°	1731.0	1737.3	1757.9	1717.1	1678.5	1709.6	1774.7	2064.4	2177.2	2103.0	1461.6
45°	1807.8	1811.3	1825.8	1808.2	1783.6	1853.7	1891.3	2194.1	2365.4	2293.4	1577.8
47.5°	1888.7	1892.3	1907.3	1895.6	1882.6	1988.4	2013.0	2316.5	2545.7	2502.6	1701.9
50°	1988.6	1991.0	2005.1	1983.9	1988.0	2089.8	2121.8	2428.6	2734.7	2690.6	1826.4
52.5°	2124.8	2125.4	2145.0	2125.8	2106.8	2164.2	2215.4	2534.4	2882.9	2862.1	1951.0
55°	2231.5	2238.0	2302.3	2298.3	2287.3	2231.7	2293.6	2635.0	3015.1	3025.0	2083.2
57.5°	2163.4	2188.7	2318.9	2410.7	2500.0	2399.7	2399.3	2748.4	3138.0	3184.9	2228.5
60°	1894.8	1929.1	2121.0	2324.5	2604.1	2692.0	2618.9	2886.9	3262.1	3343.4	2410.7
62.5°	1353.2	1409.8	1669.8	1994.8	2461.4	2885.7	3065.6	3106.7	3430.9	3526.9	2647.4
65°	684.1	726.9	944.9	1336.4	1966.5	2759.2	3551.2	3587.8	3724.2	3809.5	3011.9
67.5°	415.6	431.8	538.1	743.3	1205.6	2149.3	3709.7	4389.7	4291.9	4337.2	3531.6
70°	306.3	318.2	384.5	493.7	693.4	1261.2	3223.3	4962.0	4897.7	4892.7	3915.7
72°	238.5	247.2	305.9	398.8	507.0	756.7	2336.3	4750.8	5071.2	5045.7	3880.5
72.5°	226.2	233.9	287.3	375.4	479.1	685.9	2100.6	4608.2	5058.6	5047.1	3835.0
75°	178.1	183.6	212.7	290.3	375.0	389.1	1151.0	3571.2	4487.6	4674.1	3449.3
77.5°	147.4	148.2	163.5	211.2	292.3	275.1	565.4	2477.8	3213.4	3418.6	2443.4
80°	120.1	121.1	128.4	148.2	221.2	203.6	268.5	1424.8	1799.1	1801.4	1162.0
82.5°	95.6	95.8	103.9	108.4	158.9	145.5	153.8	668.9	786.2	756.2	417.6
85°	67.3	65.9	101.5	88.9	103.9	93.4	84.9	264.8	325.1	310.9	130.8
87.5°	22.4	23.2	45.1	57.6	60.6	53.0	37.8	101.5	122.7	121.7	41.4
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°	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3
2.5°	725.9	719.5	710.0	699.4	691.2	682.7	676.4	673.2	669.5	666.5	670.1
5°	733.6	721.5	701.3	681.5	666.9	654.0	644.7	639.8	635.4	632.3	632.7
7.5°	746.1	726.5	692.6	663.7	643.4	629.5	620.0	616.8	613.9	613.1	614.1
10°	759.5	730.6	681.0	642.6	619.6	608.1	603.8	606.0	608.1	609.9	611.9
12.5°	774.6	734.2	664.3	618.0	598.4	593.9	598.2	607.9	614.9	619.2	621.8
15°	794.5	737.4	644.9	593.3	580.2	585.2	599.6	616.4	628.7	636.6	637.8
17.5°	812.6	737.2	620.0	568.4	565.4	580.2	601.8	625.5	642.0	653.2	655.4
20°	831.4	731.8	591.1	544.2	550.5	574.7	602.8	631.3	651.3	664.3	667.3
22.5°	849.0	722.3	559.4	522.2	537.9	567.4	599.0	627.9	647.9	658.4	661.6
25°	861.0	705.7	527.2	503.6	526.8	558.5	586.4	609.7	624.6	629.9	630.7
27.5°	867.0	684.1	496.9	487.4	515.3	544.0	563.2	574.7	579.0	578.6	577.7
30°	867.8	655.6	470.8	474.2	501.9	522.6	531.7	529.4	524.0	514.7	515.5
32.5°	865.2	623.4	449.0	461.7	485.0	496.5	496.9	486.2	471.6	456.9	452.8
35°	866.0	591.9	429.8	447.6	464.3	469.4	464.7	449.0	429.2	410.2	406.1
37.5°	874.9	564.4	413.2	431.2	441.5	442.7	436.0	419.5	404.9	386.3	384.7
40°	896.1	544.8	397.4	412.8	418.7	419.3	409.8	398.0	399.2	389.3	389.1
42.5°	934.3	536.3	383.5	393.6	397.2	398.4	391.2	383.7	394.2	387.7	385.5
45°	983.7	538.3	371.8	374.8	381.5	387.1	382.7	373.6	377.6	349.5	340.2
47.5°	1040.7	551.3	362.5	358.6	370.1	380.9	374.0	360.2	345.9	318.0	312.7
50°	1107.4	571.3	354.0	342.6	357.8	372.4	365.5	345.9	324.3	310.7	308.9
52.5°	1176.9	595.7	345.5	325.1	342.2	365.9	362.5	342.6	316.0	302.6	300.2
55°	1255.8	620.4	334.8	304.6	325.5	362.9	361.0	330.9	309.7	302.2	300.4
57.5°	1353.8	648.5	320.6	283.4	309.7	351.9	346.3	323.8	303.2	297.6	297.0
60°	1481.6	689.9	300.2	260.8	290.5	335.2	334.0	313.5	292.9	288.9	288.1
62.5°	1673.2	758.5	272.1	238.1	269.1	306.7	317.8	299.6	282.0	281.8	282.2
65°	1970.4	861.6	241.6	218.3	247.4	282.6	299.0	285.2	270.9	274.9	275.5
67.5°	2314.8	947.1	211.7	198.9	225.4	259.8	282.0	270.9	256.1	266.6	266.8
70°	2429.5	870.7	185.4	179.7	202.6	237.7	263.6	255.1	240.2	250.7	249.7
72°	2260.9	702.9	168.4	165.2	185.4	219.5	247.2	240.4	225.6	232.7	230.0
72.5°	2207.7	670.1	164.1	161.5	180.7	214.9	243.0	236.7	222.0	228.0	225.6
75°	1969.4	582.0	141.1	141.7	157.7	192.2	219.1	217.1	201.9	202.6	201.7
77.5°	1428.4	426.7	118.9	122.9	134.2	169.0	195.1	193.9	177.3	174.3	173.6
80°	662.9	217.7	96.8	98.6	110.4	141.3	166.4	164.8	151.4	147.6	145.3
82.5°	227.0	103.5	72.8	74.0	85.5	113.8	144.3	143.3	132.2	124.7	120.1
85°	81.1	51.5	50.9	49.7	61.0	89.6	125.7	120.3	103.9	88.5	88.1
87.5°	26.3	22.0	26.3	26.1	35.6	60.6	91.4	77.8	75.4	62.7	61.5
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)