

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385705

Luminaire Tested: GAW-SA1B-730-U-T4W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-730-U-T4W
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5519 lumens
Efficiency: N/A
Efficacy: 125.4 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

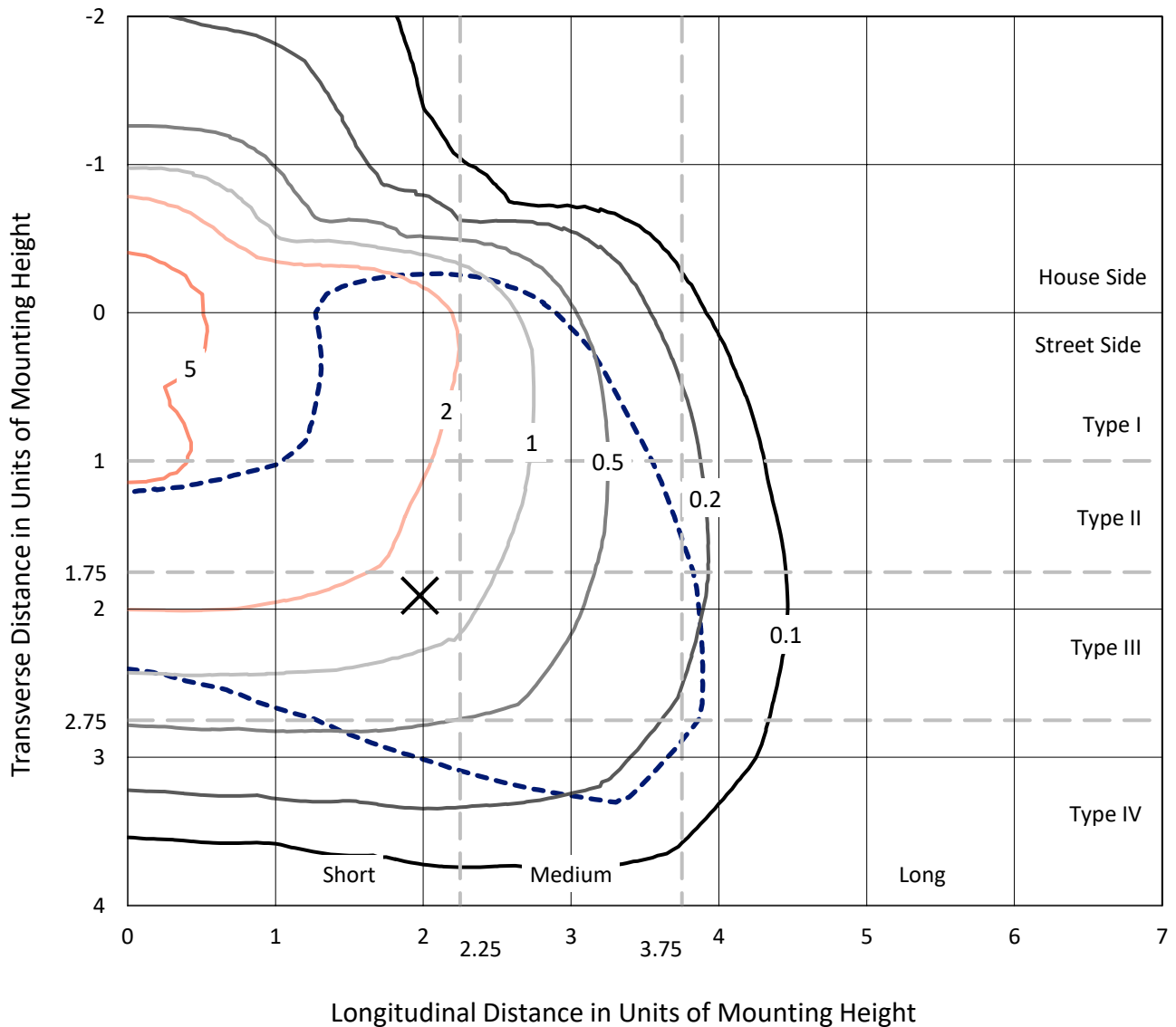
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

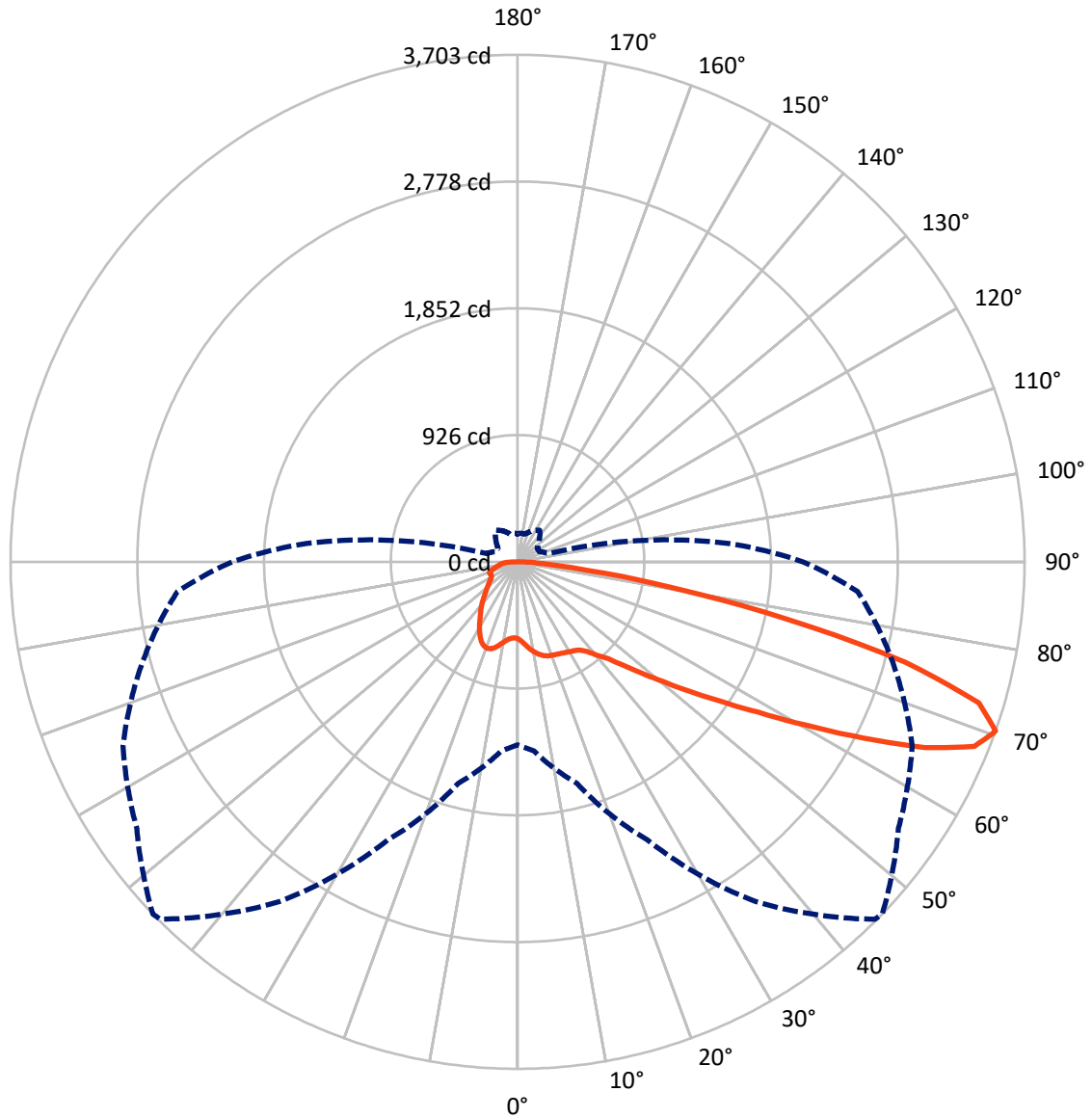
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1264.9	0.0	1264.9
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	4254.1	0.0	4254.1
	% Fixture	77.1	0.0	77.1
Total	Lumens	5519.0	0.0	5519.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.0
10°-20°	191.0	3.5
20°-30°	318.4	5.8
30°-40°	451.9	8.2
40°-50°	664.7	12.0
50°-60°	1125.6	20.4
60°-70°	1597.8	29.0
70°-80°	970.7	17.6
80°-90°	141.7	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°	5519.0	100.0
0°-180°	5519.0	100.0

Coefficient of Utilization

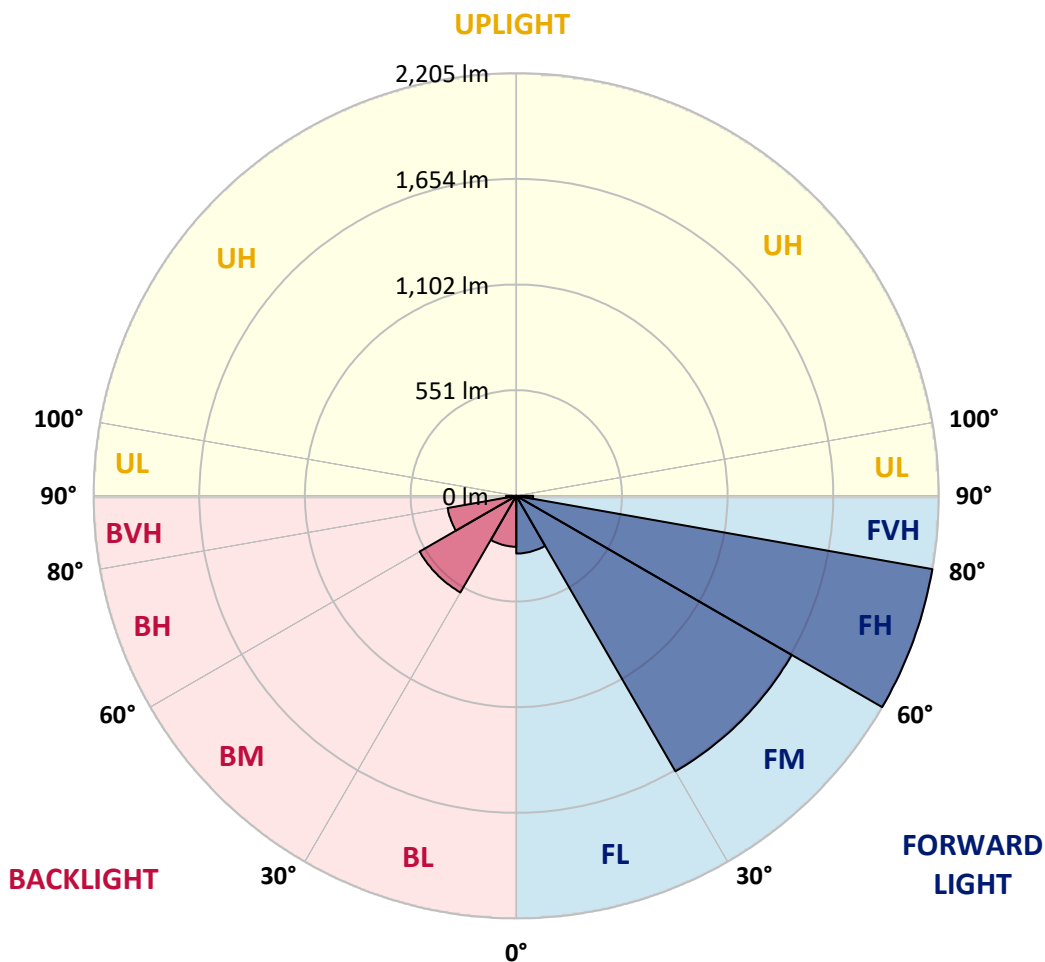


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.1	5.5			
FM (30°-60°)	1659.9	30.1			
FH (60°-80°)	2204.8	39.9			G2/5000
FVH (80°-90°)	88.2	1.6			G1/100
BL (0°-30°)	265.6	4.8	B1/500		
BM (30°-60°)	582.3	10.6	B1/1000		
BH (60°-80°)	363.7	6.6	B1/500		G1/500
BVH (80°-90°)	53.4	1.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3
2.5°	590.4	590.8	591.6	589.7	584.4	582.9	582.3	576.8	573.2	567.9	563.4
5°	637.6	638.0	636.9	631.6	619.9	611.2	610.4	598.0	586.6	574.6	565.5
7.5°	686.9	687.5	683.9	673.9	657.5	642.4	641.4	624.4	607.2	588.9	575.3
10°	730.6	728.3	722.4	708.5	689.0	670.5	669.7	652.0	632.2	610.1	591.9
12.5°	759.7	757.8	750.2	733.2	711.9	694.9	693.4	676.9	657.7	633.5	611.8
15°	775.7	777.0	766.8	747.6	726.8	712.4	711.1	699.4	682.2	657.8	632.9
17.5°	777.8	778.9	769.1	750.0	733.0	723.2	722.6	714.9	702.4	679.0	652.9
20°	765.7	766.5	758.3	742.7	731.5	728.5	728.3	724.9	715.6	694.9	669.6
22.5°	748.1	748.7	742.8	731.5	727.7	732.5	733.8	732.5	725.8	706.4	682.6
25°	743.8	743.4	737.4	725.8	729.1	739.1	740.8	741.3	736.8	719.8	699.2
27.5°	764.8	763.4	751.9	733.4	735.5	747.6	749.8	755.3	752.5	737.6	718.1
30°	825.4	823.1	799.5	762.1	751.9	758.1	761.0	769.7	770.2	757.8	743.2
32.5°	927.7	924.9	882.6	815.7	779.7	768.9	771.6	784.6	791.6	781.9	766.3
35°	1057.1	1053.9	998.4	907.0	826.1	789.5	791.4	801.8	815.7	802.1	781.4
37.5°	1192.0	1184.2	1130.8	1014.3	900.0	833.5	833.5	834.8	841.4	813.1	799.1
40°	1326.1	1318.3	1270.0	1140.4	995.6	902.8	898.5	869.2	863.9	839.5	834.8
42.5°	1450.7	1448.5	1420.0	1283.0	1107.7	971.0	965.0	915.3	916.4	901.3	901.5
45°	1583.3	1583.3	1560.1	1426.9	1238.4	1080.5	1074.5	1001.4	1012.7	1005.8	1022.6
47.5°	1691.6	1695.0	1691.7	1576.9	1390.5	1219.7	1208.8	1120.8	1152.5	1176.5	1225.4
50°	1802.0	1807.3	1807.9	1741.4	1574.3	1385.2	1372.7	1279.2	1350.1	1418.8	1515.0
52.5°	1962.4	1974.3	1926.9	1905.6	1799.4	1581.6	1569.4	1483.0	1601.3	1697.8	1863.4
55°	2111.0	2100.7	2066.8	2080.1	2040.4	1805.3	1796.0	1720.3	1881.2	2006.6	2221.7
57.5°	2191.5	2190.8	2224.7	2281.4	2300.3	2081.0	2073.3	1999.6	2196.8	2291.0	2558.1
60°	2285.9	2287.3	2371.5	2500.1	2577.9	2424.4	2421.0	2365.1	2503.3	2556.6	2822.0
62.5°	2299.2	2323.0	2468.0	2689.4	2837.8	2825.6	2833.1	2694.3	2777.6	2768.5	3019.0
65°	2147.1	2178.5	2441.0	2746.6	3096.2	3264.3	3271.3	3025.4	2993.8	2949.6	3089.4
67.5°	1835.5	1881.9	2167.1	2622.1	3181.4	3588.6	3598.4	3282.1	3173.3	3011.0	2919.8
70°	1335.7	1387.3	1674.4	2239.5	3029.5	3692.3	3703.4	3395.6	3180.1	2836.3	2492.6
72.5°	806.9	847.3	1083.9	1648.7	2557.0	3503.4	3523.3	3251.7	2903.4	2402.5	1840.6
75°	354.3	380.8	524.1	950.0	1830.6	2898.7	2923.4	2783.2	2359.0	1746.0	1087.9
77.5°	150.9	158.5	214.9	412.7	1034.8	1980.7	2014.7	2033.6	1600.5	950.0	459.7
80°	94.1	97.1	121.6	186.8	484.3	1112.5	1149.1	1196.5	794.8	349.2	160.5
82.5°	57.2	60.6	80.8	112.9	252.1	504.3	521.9	555.3	308.4	150.9	83.1
85°	34.4	36.8	49.5	71.4	143.5	198.3	198.1	219.1	145.2	97.1	43.8
87.5°	16.4	18.3	26.4	37.0	72.3	74.4	69.7	78.9	88.2	63.7	22.1
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°	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3	562.3
2.5°	561.9	561.1	558.7	556.8	556.4	555.3	554.3	554.9	555.7	555.9	555.9
5°	561.7	559.6	556.4	555.1	556.8	559.1	561.9	565.7	567.9	569.6	570.8
7.5°	570.8	566.8	563.2	562.5	565.9	571.9	578.3	586.3	591.7	595.5	596.3
10°	585.9	581.0	577.4	578.1	584.2	592.9	601.9	612.1	620.5	625.6	625.9
12.5°	603.3	598.5	595.1	598.4	608.4	618.9	628.4	637.3	644.8	649.9	649.9
15°	623.3	619.9	615.9	623.3	636.9	646.3	650.3	654.6	658.8	662.6	661.8
17.5°	642.5	639.3	637.3	645.9	660.1	664.5	661.8	658.6	658.6	660.7	661.1
20°	659.2	656.3	657.7	666.2	673.5	669.0	659.2	649.0	644.8	645.9	647.1
22.5°	673.7	672.4	676.4	680.3	675.0	659.2	641.0	627.3	622.2	621.8	622.2
25°	690.7	690.5	695.4	688.3	664.8	635.6	611.2	597.8	595.0	597.2	601.0
27.5°	711.9	713.9	716.4	690.1	644.1	599.9	575.1	565.9	568.7	574.2	577.8
30°	738.9	744.5	739.3	685.4	614.2	559.1	535.5	532.8	540.6	548.3	552.1
32.5°	765.1	774.0	761.2	673.1	575.7	515.8	497.5	496.7	506.2	513.7	519.0
35°	786.3	803.8	777.6	648.8	531.1	476.0	462.6	457.5	460.9	469.7	475.8
37.5°	813.9	843.1	788.9	611.6	482.8	443.1	427.4	415.7	412.7	416.3	419.3
40°	864.3	903.0	794.2	559.6	435.5	410.2	394.4	377.2	365.3	356.6	356.8
42.5°	946.6	981.0	790.8	496.5	391.9	378.1	360.2	340.4	321.1	301.4	299.9
45°	1080.4	1097.0	780.6	429.7	353.6	344.5	327.7	307.9	282.2	259.9	257.8
47.5°	1294.4	1257.5	764.8	371.3	319.8	316.0	300.5	277.6	250.4	232.5	231.0
50°	1586.2	1489.3	757.0	324.9	289.9	291.1	278.4	254.2	228.5	215.3	213.8
52.5°	1935.2	1759.2	771.9	289.0	265.9	269.9	260.5	237.8	216.3	205.9	204.4
55°	2297.3	2038.7	788.0	262.9	243.3	251.0	247.8	229.1	209.7	200.0	198.7
57.5°	2607.2	2247.4	755.9	241.8	223.1	235.1	238.0	223.6	206.3	197.6	196.1
60°	2802.3	2331.5	671.6	221.9	207.0	222.5	232.3	222.1	207.6	206.8	205.7
62.5°	2894.9	2324.1	545.3	206.3	197.0	217.0	236.5	230.6	222.7	229.5	230.0
65°	2853.3	2213.0	406.1	195.9	189.8	219.1	248.9	246.7	227.0	233.8	234.8
67.5°	2579.8	1948.0	300.7	186.8	181.9	224.9	271.6	252.0	218.5	223.4	220.4
70°	2085.2	1544.4	231.9	176.6	173.8	224.2	281.8	248.7	209.3	210.4	202.3
72.5°	1437.9	1053.2	188.7	167.2	162.1	204.4	274.6	240.8	201.5	192.8	182.1
75°	781.9	565.3	160.4	157.3	141.5	179.4	261.4	235.1	194.5	183.0	177.0
77.5°	307.7	234.6	139.2	143.9	123.7	158.5	246.7	224.4	184.9	169.8	166.8
80°	125.6	119.7	115.4	124.5	106.3	138.6	228.9	211.7	173.4	157.5	151.5
82.5°	71.2	74.4	89.7	98.2	86.3	127.7	220.4	201.5	159.6	141.1	133.9
85°	36.5	43.6	62.5	70.5	63.5	108.6	203.0	176.4	128.1	108.0	108.6
87.5°	17.6	24.4	39.5	44.2	41.2	78.6	151.7	127.9	99.7	78.9	76.5
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)