

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: P318995

Luminaire Tested: **GAN-SA1B-730-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318995
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-T4W
Description: GALLEON AREA AND ROADWAY 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: 5411 lumens
Efficiency: N/A
Efficacy: 123.0 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

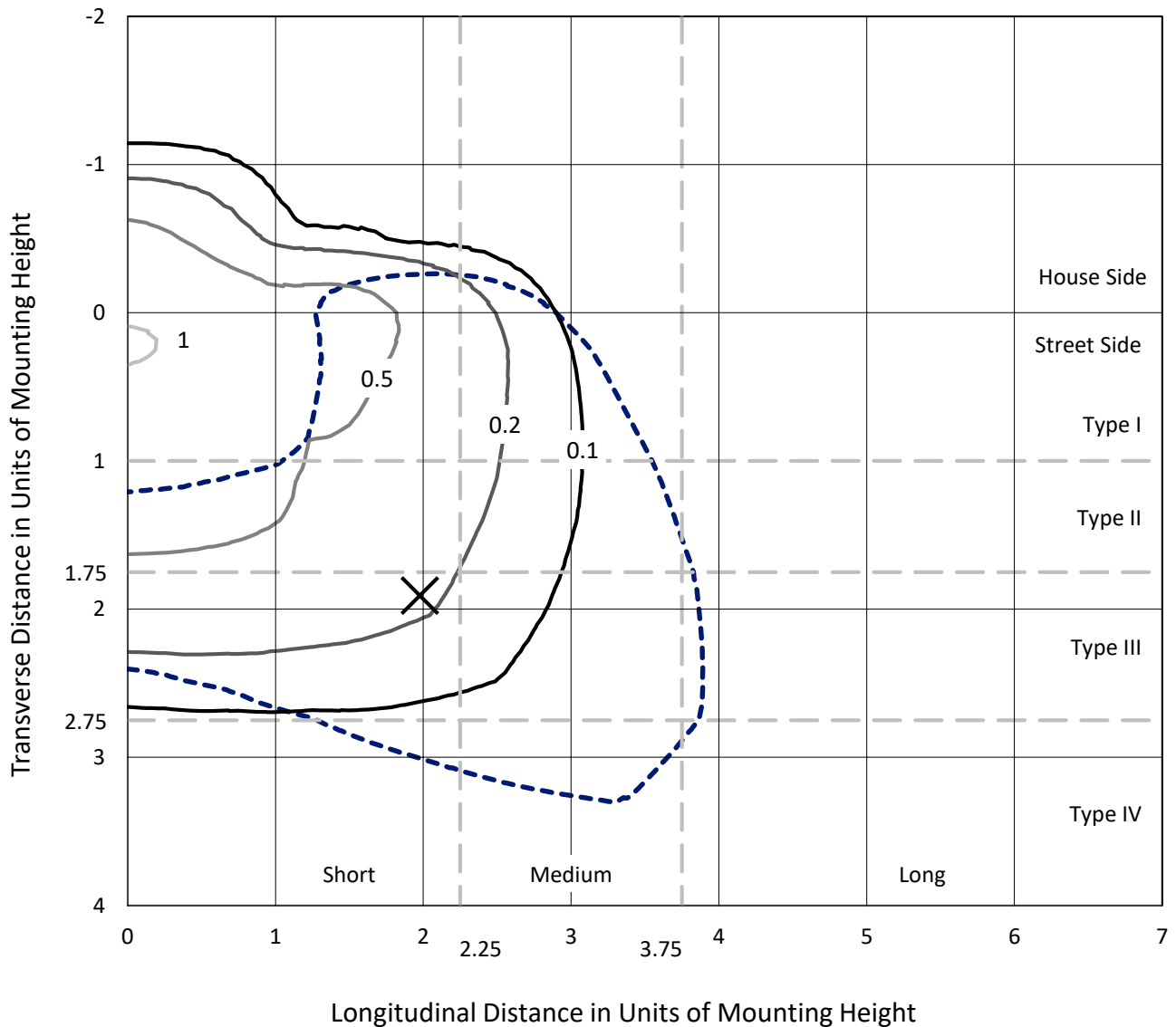
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

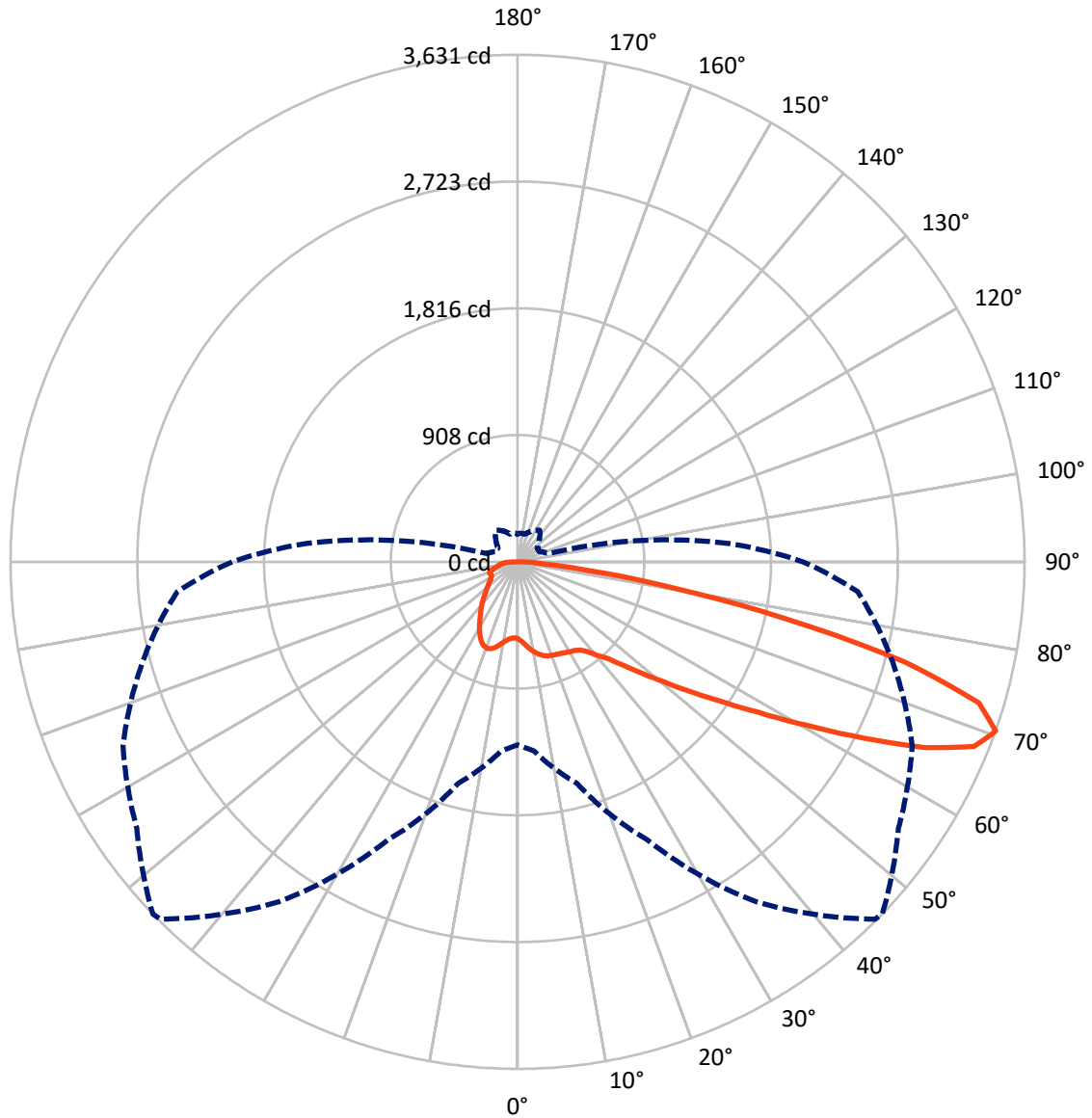
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1240.2	0.0	1240.2
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	4170.8	0.0	4170.8
	% Fixture	77.1	0.0	77.1
Total	Lumens	5411.0	0.0	5411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	1.0
10°-20°	187.2	3.5
20°-30°	312.2	5.8
30°-40°	443.0	8.2
40°-50°	651.7	12.0
50°-60°	1103.6	20.4
60°-70°	1566.5	29.0
70°-80°	951.7	17.6
80°-90°	138.9	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°	5411.0	100.0
0°-180°	5411.0	100.0

Coefficient of Utilization



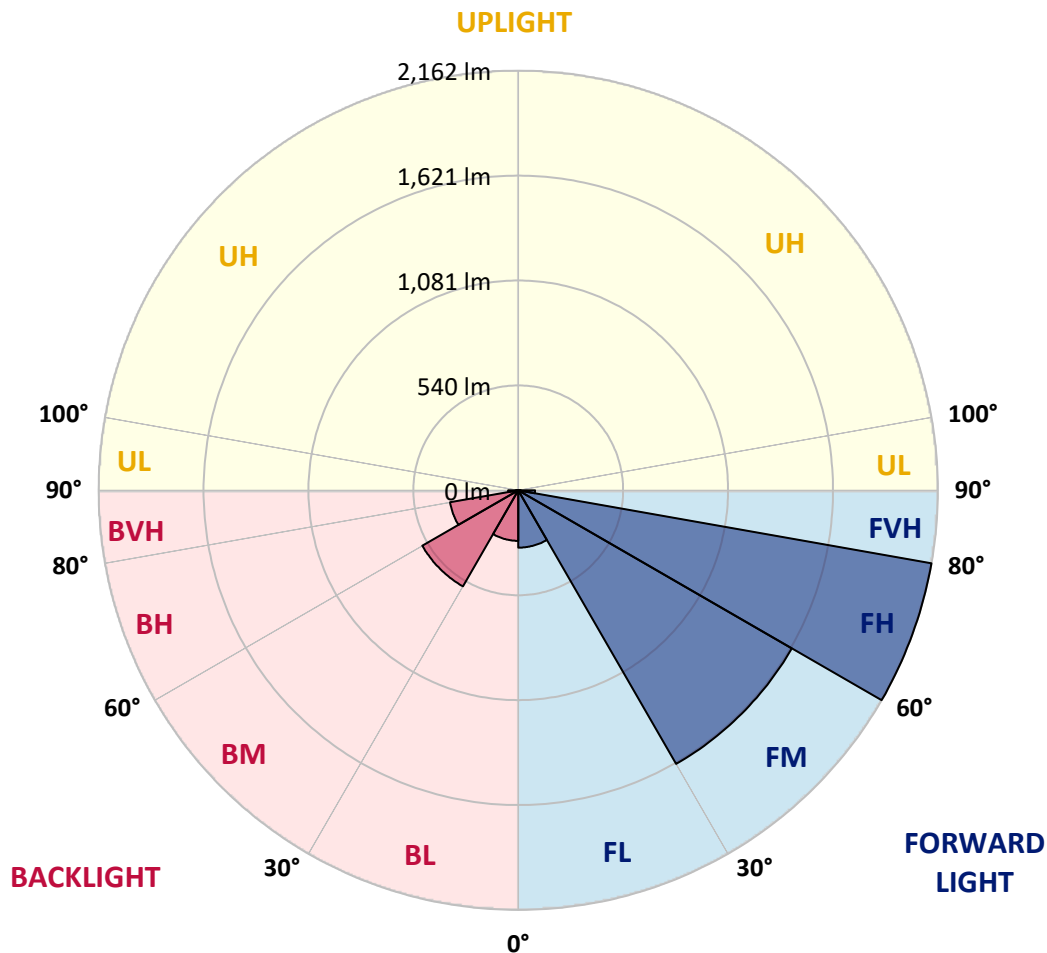
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.2	5.5			
FM (30°-60°)	1627.4	30.1			
FH (60°-80°)	2161.7	39.9			G2/5000
FVH (80°-90°)	86.5	1.6			G1/100
BL (0°-30°)	260.4	4.8	B1/500		
BM (30°-60°)	570.9	10.6	B1/1000		
BH (60°-80°)	356.5	6.6	B1/500		G1/500
BVH (80°-90°)	52.4	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°	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3
2.5°	578.9	579.2	580.0	578.1	572.9	571.5	570.9	565.5	562.0	556.8	552.4
5°	625.2	625.5	624.4	619.2	607.8	599.2	598.5	586.3	575.2	563.3	554.4
7.5°	673.5	674.0	670.5	660.7	644.6	629.8	628.9	612.2	595.3	577.4	564.1
10°	716.3	714.0	708.3	694.6	675.5	657.4	656.6	639.2	619.8	598.1	580.3
12.5°	744.8	742.9	735.5	718.9	697.9	681.3	679.8	663.7	644.8	621.1	599.8
15°	760.5	761.8	751.8	732.9	712.6	698.5	697.2	685.7	668.9	645.0	620.5
17.5°	762.6	763.7	754.0	735.3	718.7	709.0	708.5	700.9	688.7	665.7	640.2
20°	750.7	751.5	743.5	728.1	717.2	714.2	714.0	710.7	701.6	681.3	656.5
22.5°	733.5	734.0	728.3	717.2	713.5	718.1	719.4	718.1	711.6	692.6	669.2
25°	729.2	728.9	722.9	711.6	714.8	724.6	726.3	726.8	722.4	705.7	685.5
27.5°	749.8	748.5	737.2	719.0	721.1	732.9	735.2	740.5	737.7	723.1	704.0
30°	809.2	807.0	783.9	747.2	737.2	743.3	746.1	754.6	755.2	742.9	728.7
32.5°	909.6	906.8	865.3	799.8	764.4	753.9	756.5	769.2	776.1	766.6	751.3
35°	1036.4	1033.3	978.9	889.2	810.0	774.0	775.9	786.1	799.8	786.5	766.1
37.5°	1168.7	1161.1	1108.7	994.4	882.4	817.2	817.2	818.5	825.0	797.2	783.5
40°	1300.1	1292.5	1245.1	1118.1	976.1	885.2	880.9	852.2	847.0	823.1	818.5
42.5°	1422.4	1420.1	1392.2	1257.9	1086.1	952.0	946.1	897.4	898.5	883.7	883.9
45°	1552.3	1552.3	1529.6	1399.0	1214.2	1059.4	1053.5	981.8	992.9	986.1	1002.6
47.5°	1658.5	1661.8	1658.6	1546.1	1363.3	1195.9	1185.1	1098.8	1130.0	1153.5	1201.4
50°	1766.8	1772.0	1772.5	1707.3	1543.5	1358.1	1345.9	1254.2	1323.7	1391.1	1485.3
52.5°	1924.0	1935.7	1889.2	1868.3	1764.2	1550.7	1538.6	1454.0	1569.9	1664.6	1827.0
55°	2069.7	2059.6	2026.4	2039.4	2000.5	1769.9	1760.9	1686.6	1844.4	1967.3	2178.2
57.5°	2148.6	2147.9	2181.2	2236.8	2255.3	2040.3	2032.7	1960.5	2153.8	2246.2	2508.1
60°	2241.2	2242.5	2325.1	2451.2	2527.5	2376.9	2373.6	2318.8	2454.3	2506.6	2766.7
62.5°	2254.2	2277.5	2419.7	2636.7	2782.3	2770.3	2777.7	2641.6	2723.2	2714.3	2959.9
65°	2105.1	2135.8	2393.2	2692.9	3035.6	3200.4	3207.3	2966.2	2935.3	2891.9	3029.0
67.5°	1799.6	1845.1	2124.7	2570.8	3119.1	3518.4	3528.0	3217.8	3111.2	2952.1	2862.7
70°	1309.6	1360.1	1641.6	2195.7	2970.3	3620.0	3631.0	3329.1	3117.8	2780.8	2443.8
72.5°	791.1	830.7	1062.7	1616.4	2506.9	3434.9	3454.3	3188.0	2846.6	2355.5	1804.6
75°	347.4	373.3	513.9	931.4	1794.7	2841.9	2866.2	2728.8	2312.9	1711.8	1066.6
77.5°	148.0	155.4	210.7	404.6	1014.6	1942.0	1975.3	1993.8	1569.2	931.4	450.7
80°	92.2	95.2	119.3	183.1	474.8	1090.7	1126.6	1173.1	779.2	342.4	157.4
82.5°	56.1	59.4	79.3	110.7	247.2	494.4	511.6	544.4	302.4	148.0	81.5
85°	33.7	36.1	48.5	70.0	140.7	194.4	194.3	214.8	142.4	95.2	43.0
87.5°	16.1	18.0	25.9	36.3	70.9	73.0	68.3	77.4	86.5	62.4	21.7
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°	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3
2.5°	550.9	550.2	547.8	545.9	545.5	544.4	543.5	544.1	544.8	545.0	545.0
5°	550.7	548.7	545.5	544.2	545.9	548.1	550.9	554.6	556.8	558.5	559.6
7.5°	559.6	555.7	552.2	551.5	554.8	560.7	567.0	574.8	580.2	583.9	584.6
10°	574.4	569.6	566.1	566.8	572.8	581.3	590.2	600.2	608.3	613.3	613.7
12.5°	591.5	586.8	583.5	586.6	596.5	606.8	616.1	624.8	632.2	637.2	637.2
15°	611.1	607.8	603.9	611.1	624.4	633.7	637.6	641.8	645.9	649.6	648.9
17.5°	630.0	626.8	624.8	633.3	647.2	651.5	648.9	645.7	645.7	647.8	648.1
20°	646.3	643.5	644.8	653.1	660.3	655.9	646.3	636.3	632.2	633.3	634.4
22.5°	660.5	659.2	663.1	667.0	661.8	646.3	628.5	615.0	610.0	609.6	610.0
25°	677.2	677.0	681.8	674.8	651.8	623.1	599.2	586.1	583.3	585.5	589.2
27.5°	697.9	700.0	702.4	676.6	631.5	588.1	563.9	554.8	557.6	562.9	566.5
30°	724.4	730.0	724.8	672.0	602.2	548.1	525.0	522.4	530.0	537.6	541.3
32.5°	750.2	758.9	746.3	660.0	564.4	505.7	487.8	487.0	496.3	503.7	508.9
35°	770.9	788.1	762.4	636.1	520.7	466.6	453.5	448.5	451.8	460.5	466.5
37.5°	797.9	826.6	773.5	599.6	473.3	434.4	419.1	407.6	404.6	408.1	411.1
40°	847.4	885.3	778.7	548.7	427.0	402.2	386.7	369.8	358.1	349.6	349.8
42.5°	928.1	961.8	775.3	486.8	384.2	370.7	353.1	333.7	314.8	295.5	294.1
45°	1059.2	1075.5	765.3	421.3	346.7	337.8	321.3	301.8	276.7	254.8	252.8
47.5°	1269.0	1232.9	749.8	364.1	313.5	309.8	294.6	272.2	245.5	228.0	226.5
50°	1555.1	1460.1	742.2	318.5	284.2	285.4	273.0	249.2	224.1	211.1	209.6
52.5°	1897.3	1724.7	756.8	283.3	260.7	264.6	255.4	233.1	212.0	201.8	200.4
55°	2252.3	1998.8	772.6	257.8	238.5	246.1	243.0	224.6	205.5	196.1	194.8
57.5°	2556.2	2203.4	741.1	237.0	218.7	230.5	233.3	219.3	202.2	193.7	192.2
60°	2747.5	2285.8	658.5	217.6	203.0	218.1	227.8	217.8	203.5	202.8	201.7
62.5°	2838.2	2278.6	534.6	202.2	193.1	212.8	231.8	226.1	218.3	225.0	225.5
65°	2797.5	2169.7	398.1	192.0	186.1	214.8	244.1	241.8	222.6	229.3	230.2
67.5°	2529.3	1909.9	294.8	183.1	178.3	220.5	266.3	247.0	214.3	219.1	216.1
70°	2044.4	1514.2	227.4	173.1	170.4	219.8	276.3	243.9	205.2	206.3	198.3
72.5°	1409.8	1032.6	185.0	163.9	158.9	200.4	269.2	236.1	197.6	189.1	178.5
75°	766.6	554.2	157.2	154.3	138.7	175.9	256.3	230.5	190.7	179.4	173.5
77.5°	301.7	230.0	136.5	141.1	121.3	155.4	241.8	220.0	181.3	166.5	163.5
80°	123.1	117.4	113.1	122.0	104.3	135.9	224.4	207.6	170.0	154.4	148.5
82.5°	69.8	73.0	88.0	96.3	84.6	125.2	216.1	197.6	156.5	138.3	131.3
85°	35.7	42.8	61.3	69.1	62.2	106.5	199.1	173.0	125.6	105.9	106.5
87.5°	17.2	23.9	38.7	43.3	40.4	77.0	148.7	125.4	97.8	77.4	75.0
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)