

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: P323476

Luminaire Tested: **GAN-SA2B-730-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2B-730-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9098 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

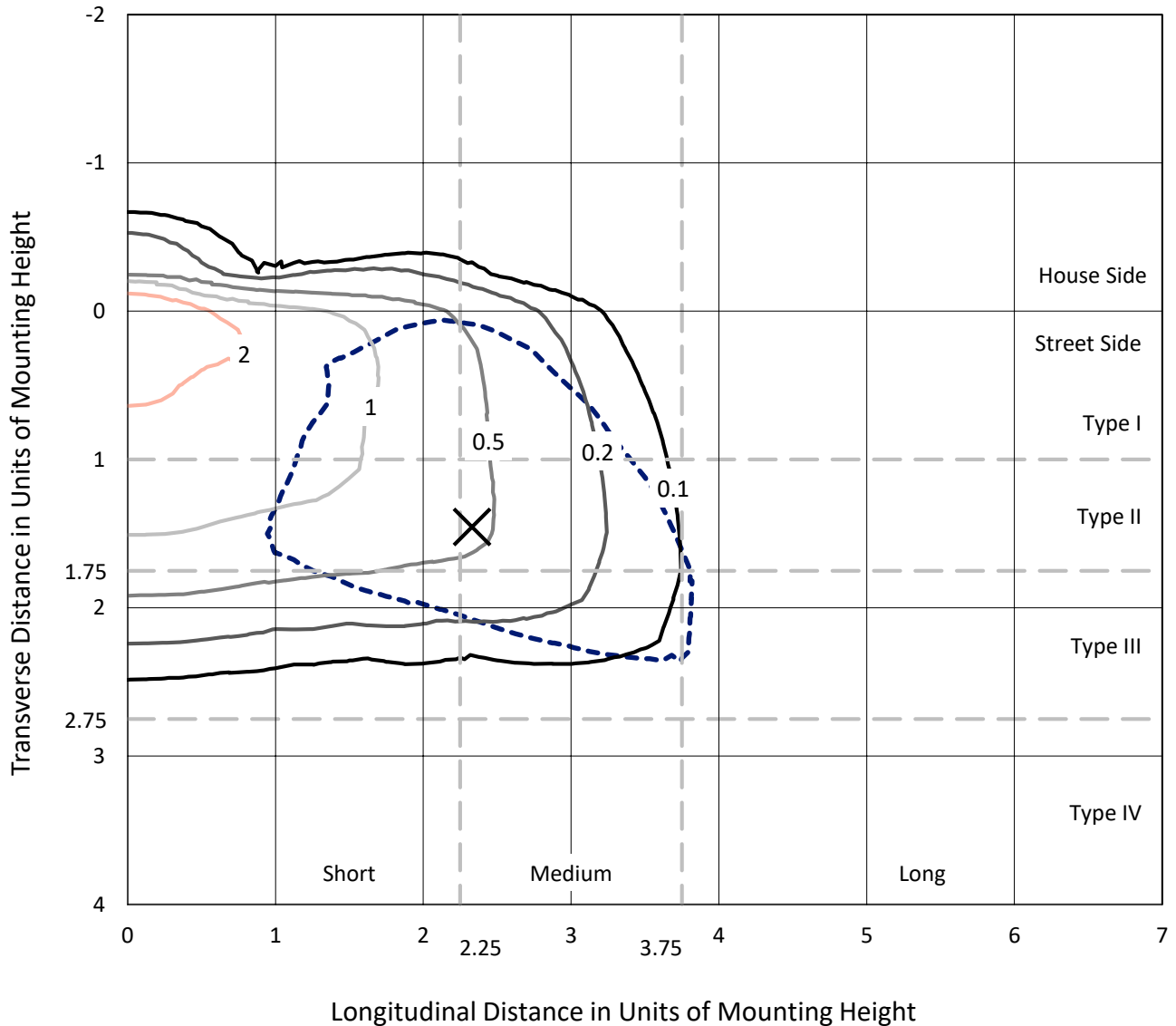
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

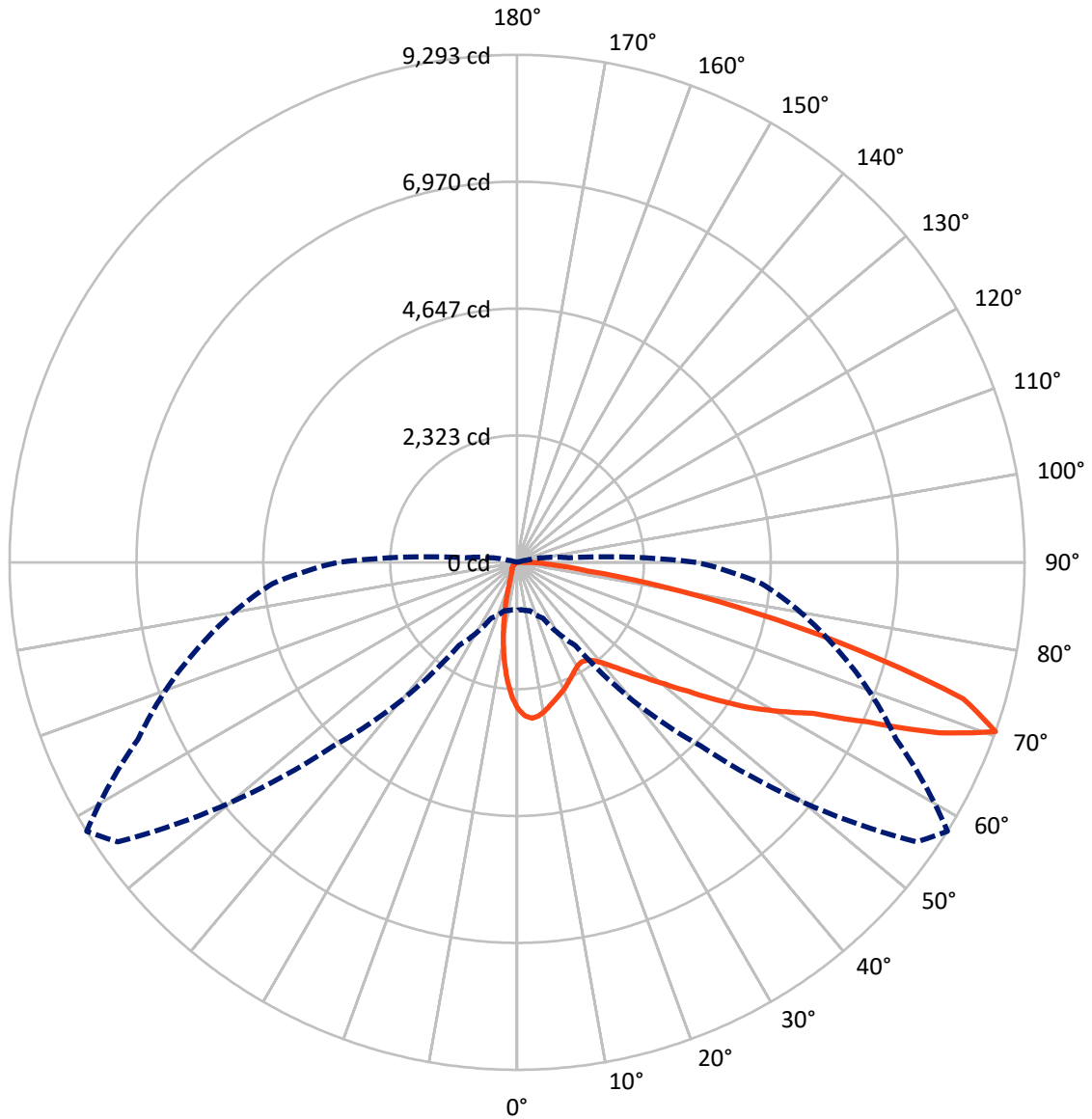
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	778.6	0.0	778.6
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	8319.4	0.0	8319.4
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	9098.0	0.0	9098.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.8	2.4
10°-20°	461.2	5.1
20°-30°	606.4	6.7
30°-40°	803.1	8.8
40°-50°	1200.4	13.2
50°-60°	1922.9	21.1
60°-70°	2423.8	26.6
70°-80°	1307.4	14.4
80°-90°	153.0	1.7
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°	9098.0	100.0
0°-180°	9098.0	100.0

**Coefficient of Utilization**

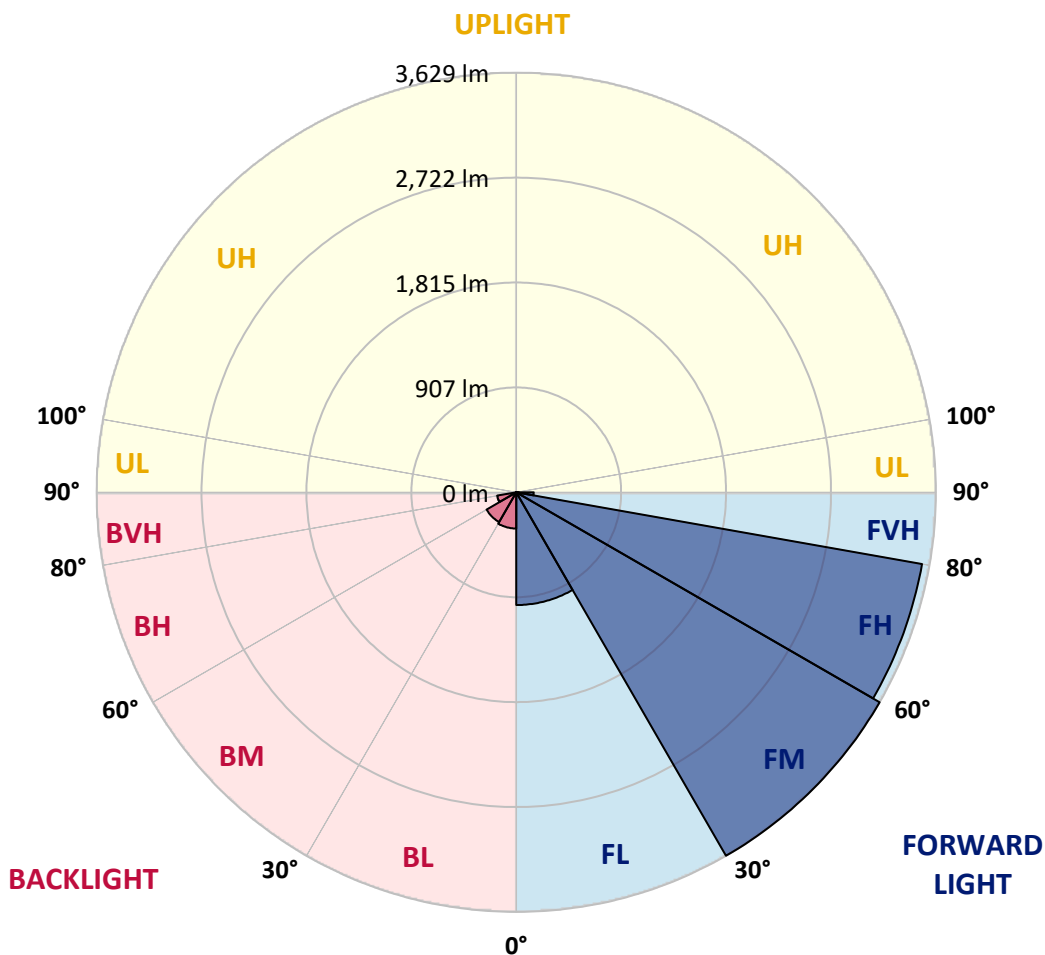


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.6	10.7			
FM (30°-60°)	3629.3	39.9			
FH (60°-80°)	3563.8	39.2			G2/5000
FVH (80°-90°)	151.7	1.7			G2/225
BL (0°-30°)	312.8	3.4	B1/500		
BM (30°-60°)	297.0	3.3	B1/1000		
BH (60°-80°)	167.4	1.8	B1/500		G1/500
BVH (80°-90°)	1.3	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5
2.5°	2910.3	2903.1	2900.5	2896.0	2878.6	2861.5	2827.9	2818.4	2797.2	2746.9	2693.6
5°	2912.6	2912.2	2920.2	2918.3	2912.2	2904.3	2880.1	2867.6	2831.6	2759.8	2662.2
7.5°	2772.2	2779.4	2797.2	2811.6	2828.2	2849.8	2852.8	2840.7	2811.2	2733.7	2604.3
10°	2583.8	2595.2	2620.2	2648.5	2692.0	2735.2	2773.8	2772.2	2762.0	2685.6	2534.7
12.5°	2395.1	2408.3	2437.1	2479.1	2540.7	2611.1	2679.9	2689.4	2706.4	2642.5	2470.4
15°	2229.8	2241.1	2269.5	2320.9	2397.3	2491.9	2592.9	2610.3	2654.2	2608.8	2416.6
17.5°	2089.4	2096.6	2117.4	2174.5	2263.0	2377.7	2508.9	2543.0	2608.4	2582.3	2370.1
20°	1991.4	1992.6	2006.2	2046.3	2134.8	2263.0	2421.9	2470.7	2560.0	2559.6	2322.1
22.5°	1943.0	1939.2	1941.9	1964.9	2030.0	2153.7	2334.9	2392.8	2516.5	2540.3	2273.3
25°	1933.9	1930.9	1923.3	1926.3	1965.7	2058.0	2247.2	2314.1	2478.3	2528.6	2230.9
27.5°	1962.3	1965.3	1952.5	1938.8	1941.9	1996.0	2169.2	2246.8	2447.3	2528.6	2201.0
30°	2019.4	2020.9	2011.5	1993.7	1969.9	1978.6	2115.1	2192.7	2431.8	2546.0	2182.1
32.5°	2082.6	2090.9	2089.8	2075.4	2041.4	2006.2	2102.3	2173.0	2430.6	2584.6	2180.2
35°	2160.9	2170.4	2186.2	2183.2	2147.7	2089.8	2146.1	2201.8	2453.0	2648.2	2200.6
37.5°	2244.1	2258.5	2292.6	2308.8	2285.7	2220.3	2244.5	2284.2	2512.7	2751.1	2252.5
40°	2324.7	2341.0	2403.0	2467.0	2449.5	2382.2	2393.6	2425.3	2619.0	2899.0	2350.8
42.5°	2403.8	2428.0	2519.2	2624.3	2645.1	2591.4	2597.5	2622.8	2776.8	3102.5	2511.6
45°	2498.4	2525.6	2660.6	2790.4	2846.0	2822.6	2848.3	2864.9	2983.0	3371.5	2728.4
47.5°	2637.2	2668.6	2834.3	2982.2	3079.8	3094.9	3146.8	3157.7	3243.6	3684.7	3011.0
50°	2908.1	2916.8	3066.6	3200.9	3341.6	3432.4	3491.4	3499.7	3559.1	4027.1	3363.9
52.5°	3248.9	3254.6	3339.3	3429.4	3589.4	3774.8	3912.8	3924.6	3937.1	4360.8	3712.3
55°	3587.5	3586.7	3642.7	3695.7	3878.8	4148.2	4447.8	4455.0	4365.3	4677.4	3978.7
57.5°	3799.0	3819.4	3904.5	3972.6	4228.4	4573.8	4989.5	5016.0	4815.1	4912.0	4242.0
60°	3731.6	3741.5	3930.3	4182.2	4663.8	5178.7	5537.7	5544.5	5153.3	5146.1	4574.9
62.5°	3179.3	3184.6	3481.2	4000.6	4884.3	5963.3	6199.0	6088.1	5542.2	5471.1	4973.2
65°	2179.1	2213.5	2461.3	3103.3	4479.2	6455.5	7222.7	7039.2	6135.0	5939.4	5333.4
67.5°	1283.2	1276.0	1398.6	1871.5	3289.8	6128.6	8517.6	8335.3	6943.5	6253.1	5227.9
70°	876.5	871.6	918.5	1133.0	1857.1	4754.2	8925.1	9293.2	7657.3	6042.0	4499.2
72.5°	625.7	628.4	697.6	880.3	1165.9	2770.0	7675.1	8546.4	7433.8	5267.2	3419.9
75°	424.8	432.0	531.1	722.2	1022.2	1409.2	5446.5	6496.7	6053.3	3828.1	1965.7
77.5°	228.5	236.4	353.3	581.8	924.2	979.1	3503.5	4471.2	3802.4	1720.9	569.7
80°	95.3	99.9	165.3	422.9	798.6	859.9	2061.4	2711.3	1620.3	339.3	127.1
82.5°	41.2	43.5	68.9	252.3	597.0	726.0	1091.4	1304.4	491.0	74.5	63.9
85°	7.9	8.3	28.4	133.5	381.0	409.7	707.4	693.4	220.6	32.2	46.5
87.5°	0.0	0.0	6.8	42.0	112.0	223.2	431.7	426.4	74.9	15.5	17.4
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°	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5	2687.5
2.5°	2666.3	2640.2	2585.4	2517.6	2465.8	2408.7	2363.3	2305.8	2280.8	2282.0	2268.3
5°	2606.5	2552.8	2431.4	2278.2	2160.1	2038.3	1933.5	1829.1	1767.5	1747.4	1728.5
7.5°	2521.1	2435.9	2242.2	2006.2	1806.4	1611.2	1441.4	1291.9	1197.3	1151.2	1134.2
10°	2424.6	2305.0	2024.7	1713.7	1428.5	1164.4	944.3	752.8	676.4	624.6	611.3
12.5°	2339.8	2177.9	1812.1	1413.7	1075.2	756.6	546.7	427.5	375.7	355.2	351.8
15°	2260.0	2059.1	1607.4	1142.1	744.5	465.7	347.7	307.2	295.1	291.7	291.7
17.5°	2184.7	1946.0	1407.3	874.7	492.6	326.5	287.9	278.8	275.0	274.7	275.0
20°	2106.0	1832.9	1210.6	640.9	343.9	276.5	266.0	261.0	259.9	259.9	259.9
22.5°	2030.8	1719.8	1019.2	457.8	275.8	252.3	247.0	243.6	242.5	242.1	241.4
25°	1958.5	1612.4	832.3	323.5	242.1	231.1	226.6	222.1	218.7	216.8	215.6
27.5°	1899.1	1516.6	658.3	259.5	218.7	209.2	203.5	196.7	188.4	184.6	183.1
30°	1851.8	1429.3	507.3	219.0	196.7	187.3	178.6	166.8	154.7	148.3	147.9
32.5°	1814.7	1343.4	385.1	193.7	177.0	165.3	152.8	138.1	124.1	116.9	116.5
35°	1796.6	1267.7	294.3	175.2	159.6	144.9	129.4	113.1	99.5	92.7	91.9
37.5°	1808.7	1203.8	229.6	159.6	144.9	127.9	109.7	92.7	80.6	74.5	74.1
40°	1853.0	1162.9	186.5	146.4	132.4	111.6	91.9	76.0	65.8	60.9	60.5
42.5°	1947.2	1147.8	159.3	135.4	120.3	96.5	76.4	62.8	53.3	49.9	49.2
45°	2104.5	1170.1	140.7	124.8	107.8	82.1	63.2	51.5	43.1	40.5	40.1
47.5°	2314.1	1228.7	127.5	114.6	96.5	69.2	52.6	41.6	35.2	32.5	32.2
50°	2584.2	1321.8	116.5	104.4	85.9	58.6	43.5	32.9	27.2	25.3	25.3
52.5°	2878.2	1432.7	106.7	95.0	75.3	48.8	35.2	25.3	21.6	19.3	19.3
55°	3121.0	1529.5	96.1	87.8	62.4	40.5	26.9	19.3	15.9	14.8	14.8
57.5°	3363.5	1632.8	84.0	75.3	49.9	32.9	20.4	14.4	11.7	11.0	11.0
60°	3677.9	1759.1	72.3	61.3	39.3	25.0	15.1	10.2	8.7	8.3	8.3
62.5°	4023.7	1833.3	61.7	49.2	30.6	18.5	11.0	6.8	6.4	6.4	6.1
65°	4235.2	1728.5	51.8	39.3	23.8	14.0	7.2	4.9	5.7	5.3	4.5
67.5°	3965.4	1353.2	42.4	30.6	18.5	10.6	4.5	3.4	6.1	4.9	3.8
70°	3283.3	947.3	32.9	21.6	14.8	9.1	3.0	2.3	6.4	4.9	3.0
72.5°	2457.1	634.0	26.1	14.4	11.0	7.9	2.6	1.1	5.7	4.2	2.6
75°	1342.6	255.4	20.8	9.1	6.8	5.7	1.9	0.8	3.8	3.0	1.9
77.5°	353.3	67.3	15.1	6.1	3.8	2.3	1.1	0.4	1.9	1.5	0.8
80°	90.0	26.1	9.8	4.2	2.6	1.1	0.0	0.0	0.4	0.0	0.0
82.5°	48.0	11.0	6.1	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.3	7.2	3.4	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.0	2.3	1.1	0.0	0.0	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)