

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: P322925

Luminaire Tested: **GAN-SA1C-750-U-T4W-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322925  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-750-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5367 lumens  
Efficiency: N/A  
Efficacy: 91.0 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

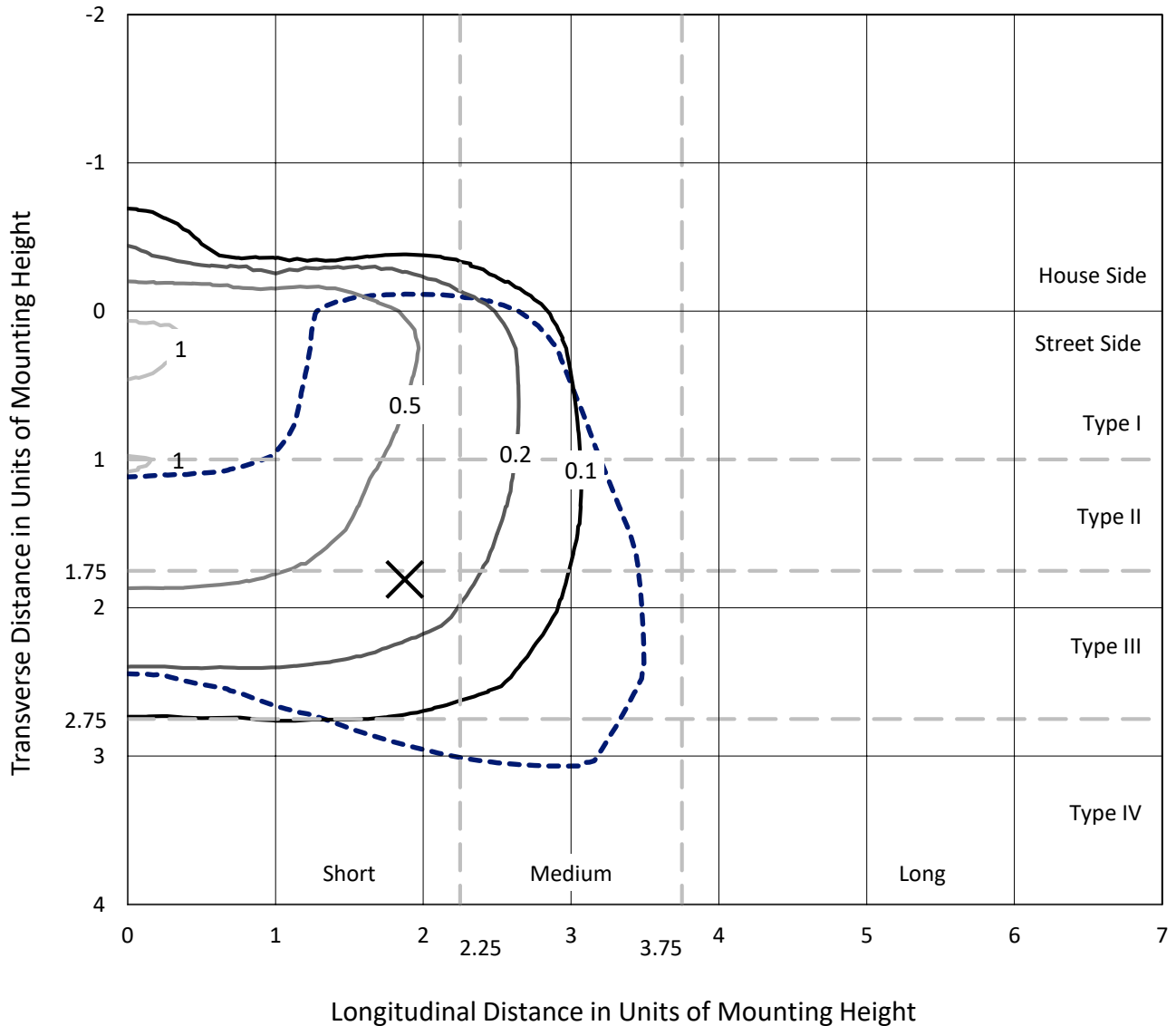
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

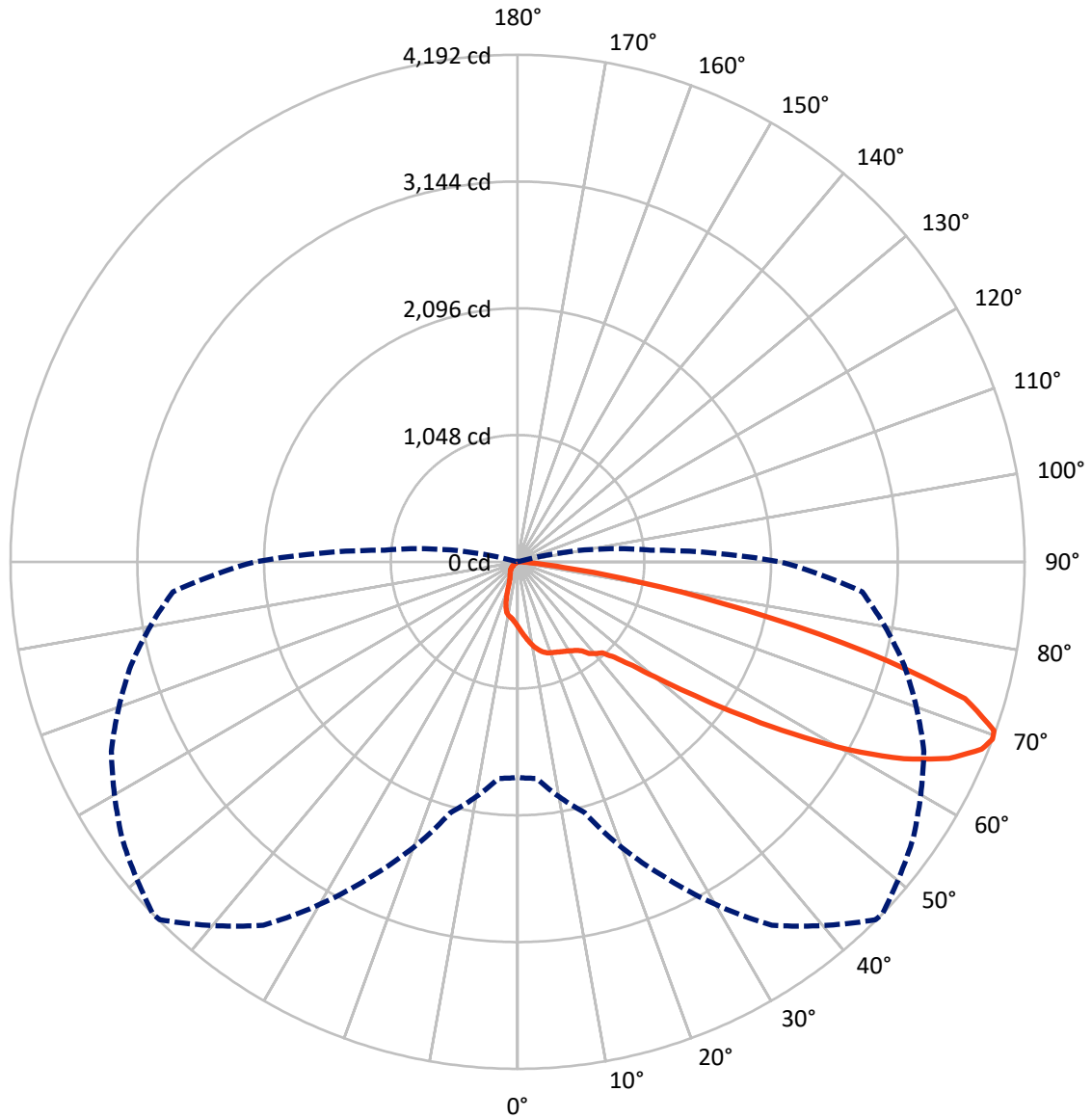
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	550.8	0.0	550.8
	% Fixture	10.3	0.0	10.3
<b>Street Side</b>	Lumens	4816.2	0.0	4816.2
	% Fixture	89.7	0.0	89.7
<b>Total</b>	Lumens	5367.0	0.0	5367.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.5	1.0
10°-20°	162.4	3.0
20°-30°	255.4	4.8
30°-40°	366.2	6.8
40°-50°	632.9	11.8
50°-60°	1250.4	23.3
60°-70°	1747.6	32.6
70°-80°	844.3	15.7
80°-90°	54.3	1.0
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°	5367.0	100.0
0°-180°	5367.0	100.0

**Coefficient of Utilization**

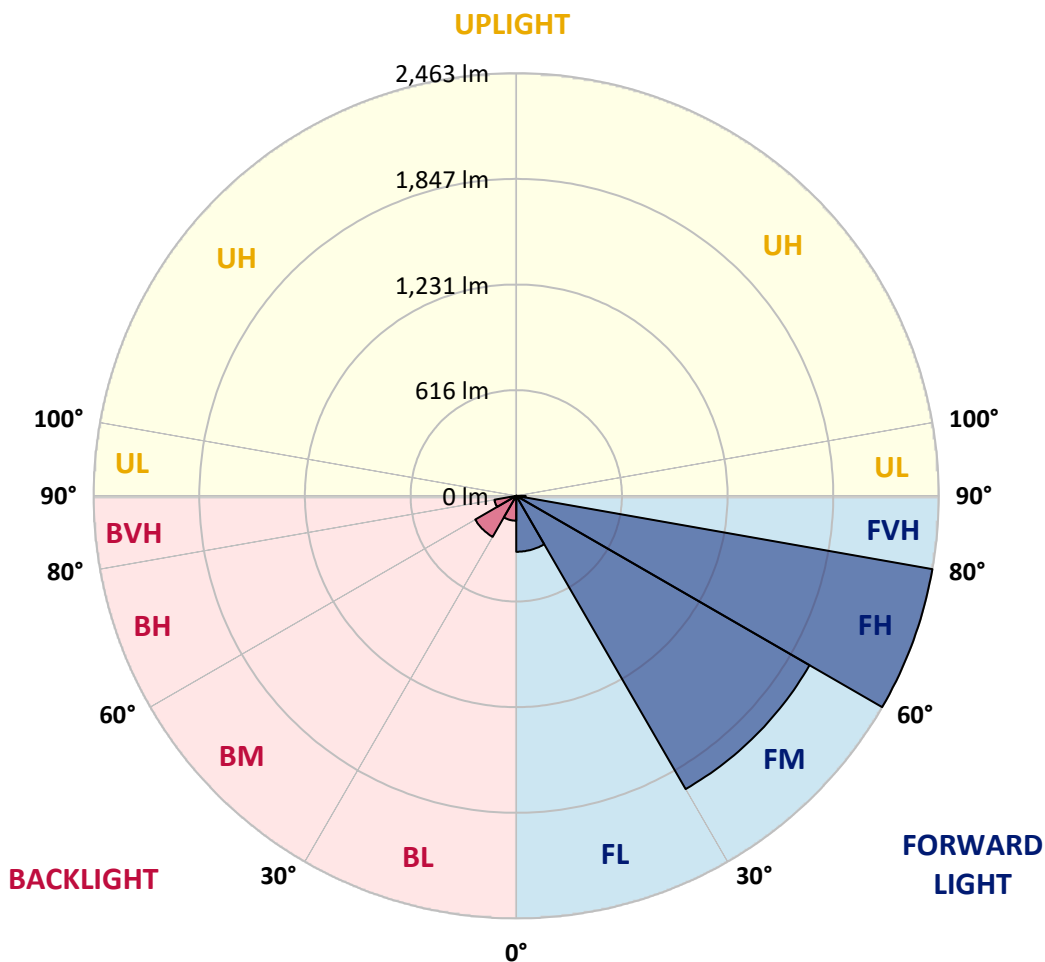


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.1	6.1			
FM (30°-60°)	1973.6	36.8			
FH (60°-80°)	2462.7	45.9			G2/5000
FVH (80°-90°)	53.8	1.0			G1/100
BL (0°-30°)	145.2	2.7	B1/500		
BM (30°-60°)	276.0	5.1	B1/1000		
BH (60°-80°)	129.2	2.4	B1/500		G1/500
BVH (80°-90°)	0.5	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°	45°	46°	55°	65°	75°	85°
0°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
2.5°	597.4	596.6	593.1	591.6	583.0	578.0	576.0	569.7	560.7	551.6	541.5
5°	665.3	665.1	658.5	652.2	636.1	621.0	618.3	603.7	583.3	564.2	545.1
7.5°	734.8	731.5	725.0	712.9	689.5	665.3	663.1	642.4	613.5	585.8	558.4
10°	793.7	791.7	783.1	764.7	737.3	709.9	707.1	681.7	649.0	615.0	580.0
12.5°	839.5	838.0	826.6	803.7	774.5	746.1	742.3	719.7	684.7	646.7	605.4
15°	867.4	866.6	852.8	828.4	799.7	775.0	771.8	751.9	719.4	679.7	633.1
17.5°	873.9	874.2	859.9	835.2	811.5	793.9	791.4	776.3	749.1	709.6	660.8
20°	859.3	862.4	849.5	828.1	813.6	804.2	802.2	793.2	770.3	733.0	682.9
22.5°	838.7	840.2	831.4	817.1	811.0	812.8	811.8	806.8	787.4	753.2	704.8
25°	826.1	826.1	820.8	808.8	812.8	823.6	823.9	822.9	807.5	777.8	731.5
27.5°	825.6	824.1	818.1	809.0	820.1	836.7	837.7	844.5	834.9	807.8	764.7
30°	845.8	844.0	831.2	819.3	833.4	851.3	853.8	868.7	863.9	840.2	801.7
32.5°	892.8	886.5	858.1	838.7	849.3	870.7	873.9	897.6	905.1	880.2	837.5
35°	957.2	937.4	896.3	875.5	876.5	898.9	901.9	936.6	959.0	917.0	865.1
37.5°	1046.1	1036.3	969.6	913.7	918.2	952.2	961.0	998.8	992.5	937.1	896.6
40°	1240.8	1225.5	1154.5	1020.9	958.2	995.5	998.3	1018.4	1018.9	982.7	962.0
42.5°	1506.1	1499.8	1425.0	1215.4	1037.0	1024.4	1029.5	1063.4	1101.4	1078.8	1077.8
45°	1799.7	1796.5	1717.2	1473.6	1196.3	1119.3	1125.6	1171.1	1243.9	1248.9	1280.8
47.5°	2036.0	2034.5	1989.0	1761.7	1440.1	1280.1	1282.1	1330.4	1458.3	1521.4	1572.5
50°	2251.4	2258.7	2222.7	2073.5	1772.3	1532.0	1527.2	1559.4	1764.7	1868.2	1931.6
52.5°	2550.9	2561.2	2460.3	2364.4	2120.8	1844.5	1840.7	1874.5	2133.1	2210.7	2222.0
55°	2815.3	2797.7	2718.0	2690.3	2545.8	2230.5	2229.5	2259.2	2489.5	2522.4	2543.3
57.5°	2932.1	2925.3	2963.8	3027.2	2991.0	2686.8	2684.5	2661.8	2808.3	2811.8	2876.0
60°	3005.8	3014.1	3132.2	3327.7	3418.0	3177.7	3163.1	3025.0	3112.8	3105.0	3173.7
62.5°	2950.5	2966.8	3179.2	3505.1	3737.6	3606.2	3585.6	3357.6	3373.0	3346.0	3410.0
65°	2656.6	2682.0	3030.0	3471.6	3896.1	3941.2	3920.3	3651.3	3579.6	3535.3	3499.8
67.5°	2157.1	2172.2	2535.5	3180.5	3824.7	4141.0	4136.7	3908.7	3735.6	3503.3	3228.0
69°	1782.6	1797.5	2147.2	2874.0	3667.4	4183.8	4192.1	3991.3	3705.9	3309.1	2860.1
70°	1509.8	1525.7	1851.6	2611.3	3485.0	4163.9	4178.7	3983.5	3620.8	3084.1	2537.3
72.5°	791.9	805.5	1139.9	1799.0	2841.0	3823.4	3868.5	3646.8	3069.2	2239.8	1500.3
75°	248.9	256.7	445.2	940.4	1945.2	2972.9	2983.2	2860.6	2179.4	1232.0	624.8
77.5°	94.9	92.6	148.2	346.5	983.4	1871.9	1935.1	1787.6	1143.7	435.6	144.2
80°	51.1	51.3	77.0	143.4	420.7	962.0	1015.4	866.4	406.4	135.9	33.2
82.5°	22.1	23.2	43.3	76.0	193.3	354.8	381.5	317.6	155.3	91.3	12.3
85°	4.8	5.3	20.9	41.3	78.8	99.6	104.4	102.9	98.9	71.0	4.8
87.5°	0.0	0.0	9.3	14.8	19.9	22.6	19.9	25.9	54.6	47.8	2.5
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°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
2.5°	538.3	533.7	525.9	517.4	511.3	505.0	500.0	497.7	495.2	493.5	495.7
5°	537.3	528.4	513.3	498.7	488.2	479.6	472.6	469.8	467.0	465.0	464.8
7.5°	546.1	533.7	510.6	489.2	472.8	461.3	451.7	447.7	444.4	442.9	441.6
10°	562.9	547.1	516.1	488.2	467.0	447.4	426.8	410.9	400.6	395.8	394.1
12.5°	584.8	564.9	526.7	493.5	462.8	425.0	381.2	343.5	319.1	311.0	306.2
15°	610.5	585.8	540.5	500.3	447.2	378.2	304.0	254.7	232.0	227.5	222.4
17.5°	635.1	608.0	557.1	501.5	412.9	302.2	222.7	189.2	180.4	183.4	184.2
20°	656.8	629.9	573.5	490.4	350.8	226.7	172.4	164.1	167.3	173.1	174.1
22.5°	678.7	651.0	588.6	461.3	271.3	172.1	155.3	157.3	160.5	166.3	167.3
25°	705.3	676.7	602.7	407.7	203.6	146.5	147.5	150.5	153.8	159.0	159.5
27.5°	736.0	709.1	612.0	338.0	151.0	134.6	137.9	142.4	145.7	150.7	151.7
30°	776.8	751.9	615.0	265.7	126.6	124.1	125.6	131.1	135.9	140.4	141.2
32.5°	815.1	794.2	604.9	200.6	117.3	114.2	114.2	117.5	123.1	127.3	128.3
35°	850.3	836.7	572.7	146.7	110.2	105.2	102.7	102.7	106.2	109.7	110.7
37.5°	896.8	896.3	520.6	117.0	103.4	97.6	92.4	88.3	87.1	87.8	88.3
40°	976.6	977.4	452.7	104.9	97.6	89.8	81.8	74.5	67.7	65.4	65.2
42.5°	1101.2	1089.9	381.5	99.1	92.6	81.8	69.7	59.9	49.3	46.1	45.8
45°	1299.0	1231.8	306.0	93.9	87.3	72.7	57.6	44.3	35.7	33.2	33.2
47.5°	1587.1	1418.2	237.0	88.1	80.3	62.4	43.5	32.0	26.2	24.9	25.2
50°	1885.0	1600.9	181.7	80.8	71.7	51.6	32.2	23.2	19.9	19.9	20.1
52.5°	2149.3	1734.8	141.7	73.0	61.1	40.5	24.4	18.1	16.6	16.4	16.6
55°	2396.6	1821.1	108.5	63.9	48.6	30.2	18.6	14.8	13.8	13.3	13.1
57.5°	2635.2	1863.9	81.3	51.6	35.2	21.9	14.8	12.6	11.6	10.8	10.6
60°	2794.0	1829.2	55.9	38.0	24.4	15.9	12.3	10.8	9.6	8.8	8.6
62.5°	2883.5	1734.3	36.0	27.4	17.4	11.8	9.8	9.1	7.3	6.5	6.5
65°	2847.3	1577.8	25.2	19.6	12.6	8.8	7.3	7.3	5.3	4.3	4.0
67.5°	2523.2	1332.9	19.1	14.6	9.1	6.5	5.5	6.3	3.3	2.0	2.0
69°	2170.9	1104.7	16.4	12.1	7.5	5.3	4.8	5.8	2.3	1.5	1.3
70°	1886.8	953.0	14.8	10.6	6.3	4.5	4.3	5.5	2.3	1.3	1.0
72.5°	1128.9	531.5	11.3	7.5	4.0	3.5	3.5	6.3	2.3	1.3	1.0
75°	456.2	187.2	8.3	5.3	3.0	3.0	4.3	8.1	2.0	1.0	0.8
77.5°	103.4	41.0	4.8	3.3	2.0	3.0	5.0	6.3	1.3	0.5	0.0
80°	25.2	10.1	3.0	2.0	1.3	2.3	3.8	3.5	0.3	0.0	0.0
82.5°	8.3	3.5	1.3	1.0	0.3	0.8	1.8	1.0	0.0	0.0	0.0
85°	3.5	2.0	0.5	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
87.5°	2.3	0.8	0.0	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)