

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: P323886

Luminaire Tested: **GAN-SA2C-750-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-750-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11745 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

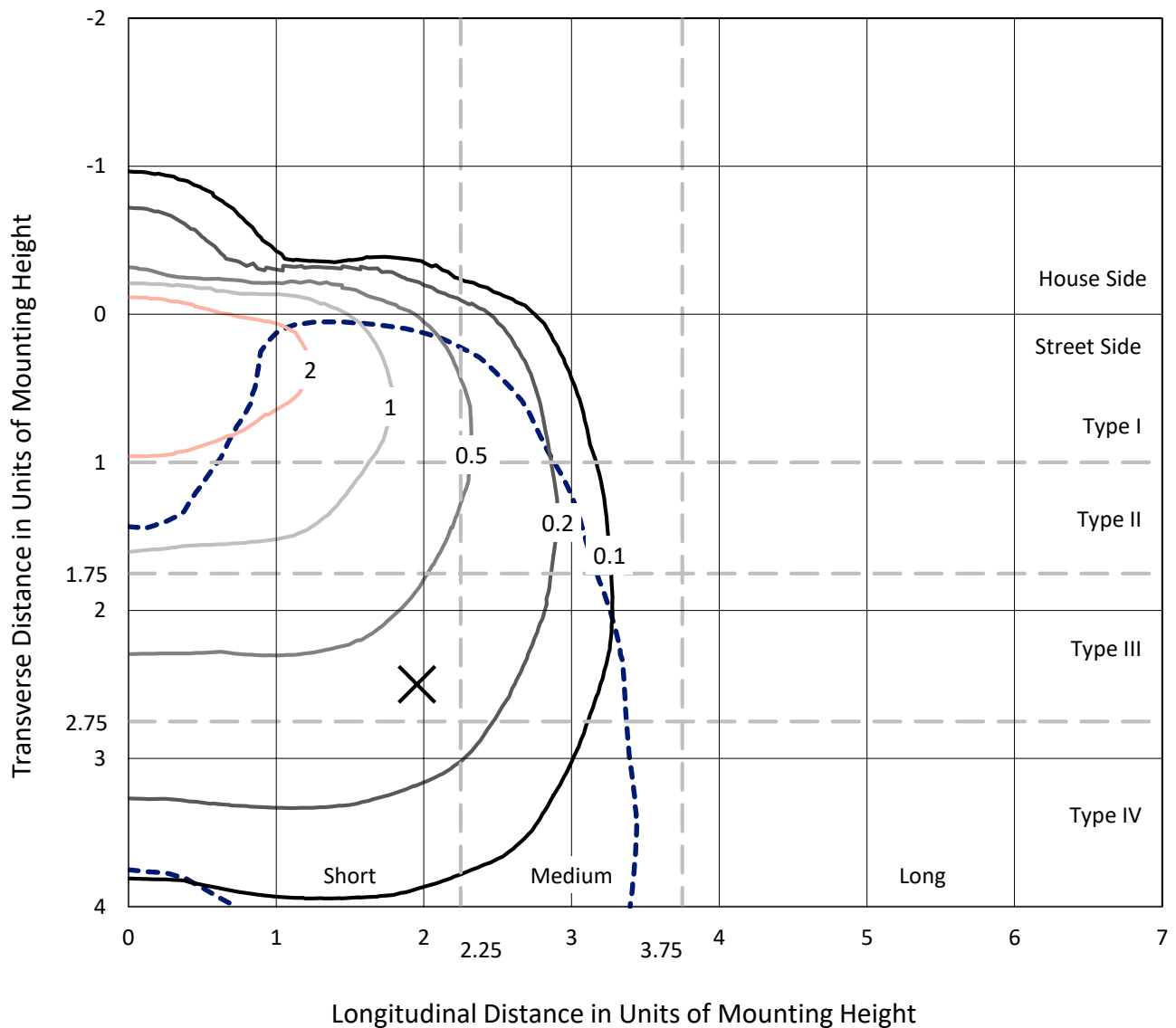
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

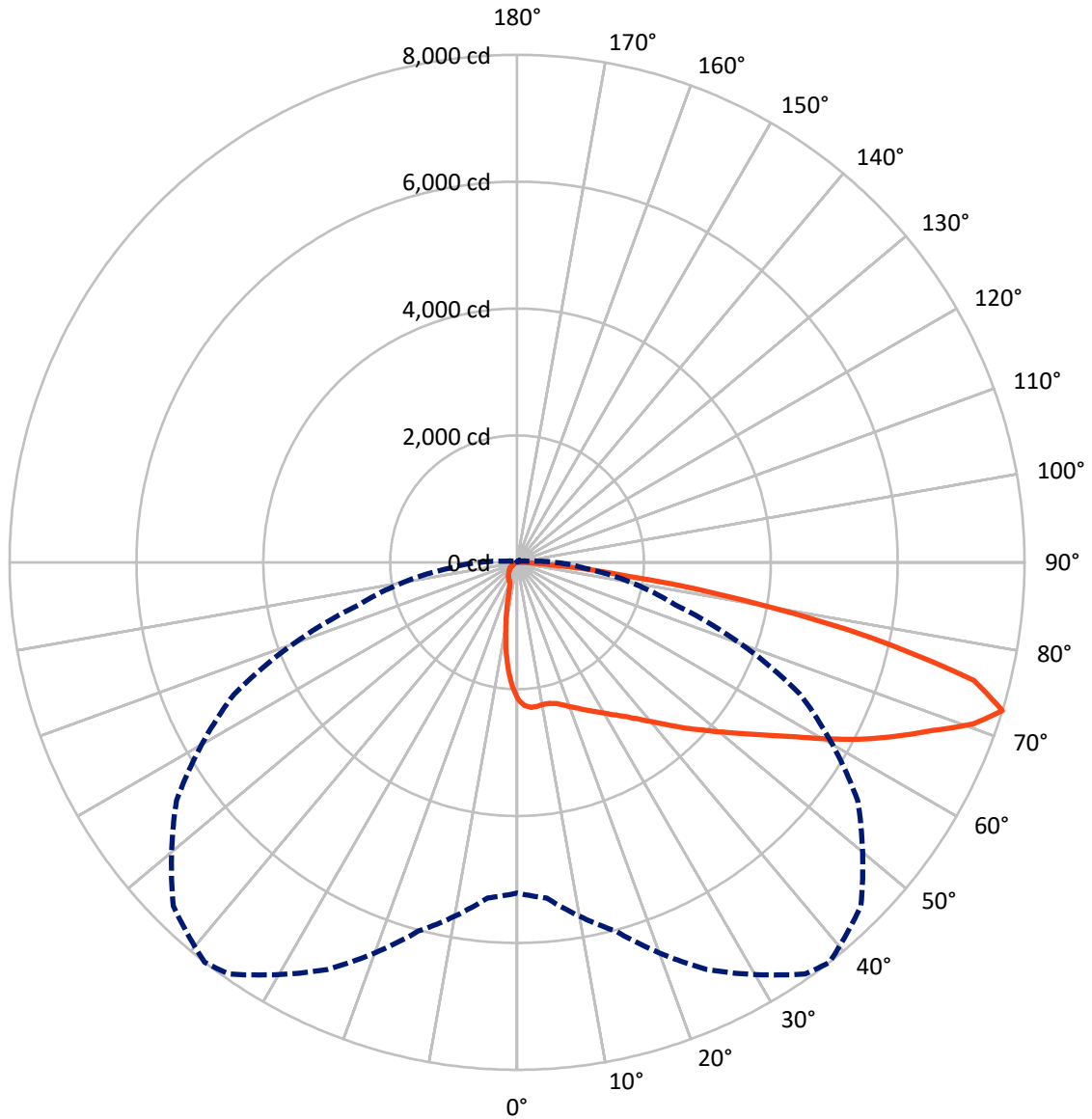
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	988.4	0.0	988.4
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	10756.6	0.0	10756.6
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	11745.0	0.0	11745.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.1	1.6
10°-20°	450.1	3.8
20°-30°	715.8	6.1
30°-40°	1076.2	9.2
40°-50°	1641.8	14.0
50°-60°	2320.4	19.8
60°-70°	2910.5	24.8
70°-80°	2176.3	18.5
80°-90°	269.9	2.3
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°	11745.0	100.0
0°-180°	11745.0	100.0

**Coefficient of Utilization**

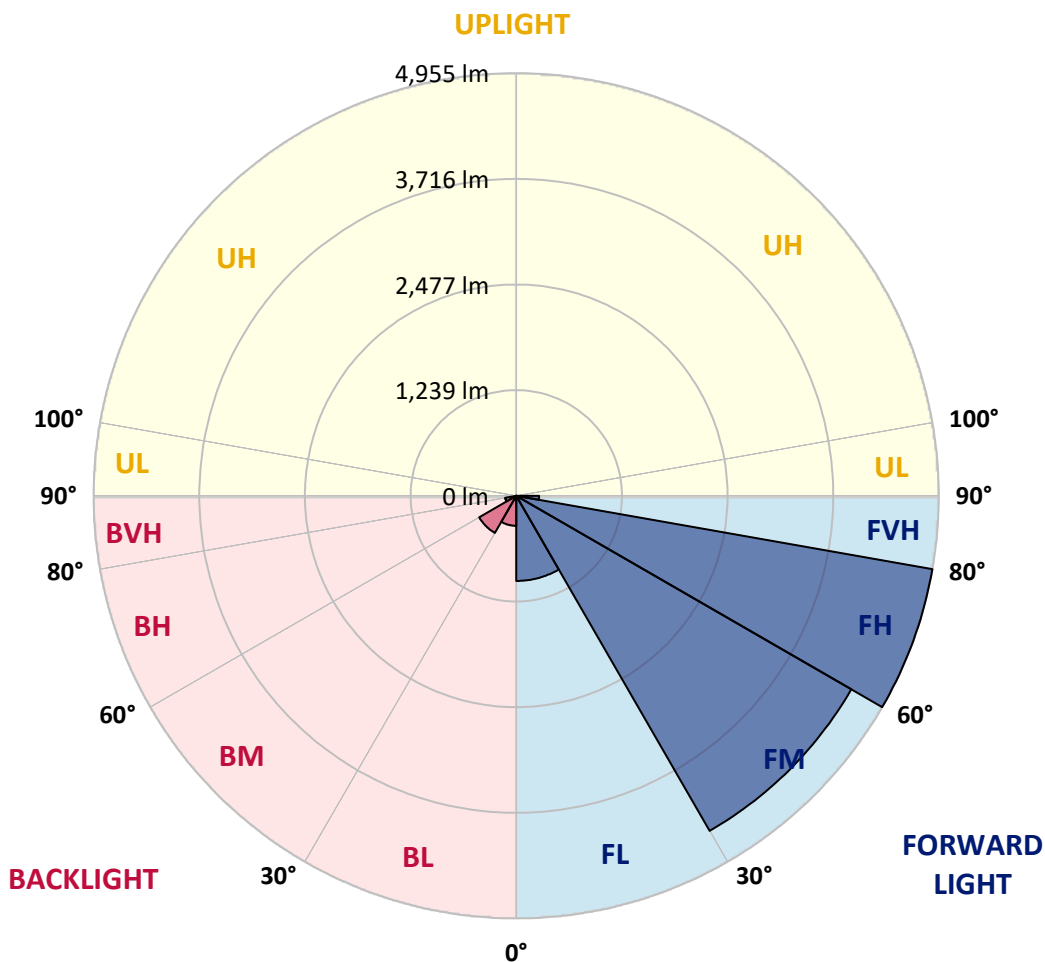


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.0	8.5			
FM (30°-60°)	4536.4	38.6			
FH (60°-80°)	4954.8	42.2			G2/5000
FVH (80°-90°)	267.3	2.3			G3/500
BL (0°-30°)	351.9	3.0	B1/500		
BM (30°-60°)	501.9	4.3	B1/1000		
BH (60°-80°)	132.0	1.1	B1/500		G1/500
BVH (80°-90°)	2.5	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-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9
2.5°	2292.5	2293.0	2287.7	2278.9	2267.7	2261.8	2252.1	2236.4	2219.9	2190.1	2157.9
5°	2339.4	2339.4	2332.5	2320.8	2302.8	2297.4	2278.9	2254.0	2219.9	2171.6	2117.4
7.5°	2334.5	2335.5	2326.2	2314.0	2296.0	2291.1	2268.6	2240.8	2198.4	2139.9	2070.6
10°	2309.1	2311.6	2304.2	2298.4	2281.8	2276.4	2255.5	2227.7	2185.2	2122.8	2043.3
12.5°	2283.3	2285.7	2288.2	2293.5	2283.3	2281.3	2264.7	2241.3	2200.8	2136.0	2046.2
15°	2266.7	2271.6	2289.1	2310.1	2312.5	2310.6	2299.9	2277.9	2236.9	2169.6	2067.2
17.5°	2266.7	2274.5	2311.1	2351.1	2365.2	2366.7	2357.4	2326.7	2277.9	2205.7	2086.7
20°	2285.7	2296.4	2353.5	2410.1	2433.5	2433.5	2415.5	2372.5	2315.5	2238.4	2099.9
22.5°	2334.5	2348.6	2420.3	2485.7	2510.6	2505.2	2480.8	2418.4	2354.5	2275.5	2116.5
25°	2430.6	2441.3	2515.9	2581.8	2596.9	2584.7	2554.0	2474.0	2404.2	2325.7	2146.7
27.5°	2554.5	2555.9	2633.0	2688.6	2679.3	2671.1	2632.5	2543.7	2475.9	2397.4	2198.9
30°	2690.6	2690.6	2758.4	2800.8	2772.5	2765.7	2727.1	2628.1	2567.6	2495.0	2273.0
32.5°	2822.3	2828.1	2883.2	2910.1	2878.4	2871.5	2834.0	2735.0	2689.6	2643.7	2388.6
35°	2949.6	2954.0	3006.2	3020.8	2990.5	2992.5	2965.7	2881.8	2864.7	2858.8	2562.8
37.5°	3073.0	3074.0	3127.1	3136.4	3121.3	3137.9	3140.3	3066.2	3097.9	3145.2	2808.1
40°	3185.7	3186.6	3239.3	3263.2	3289.1	3310.5	3329.6	3290.0	3394.9	3504.7	3100.3
42.5°	3275.9	3286.1	3353.0	3398.3	3466.6	3507.6	3559.3	3557.3	3748.5	3913.4	3453.4
45°	3355.4	3373.0	3466.1	3545.6	3662.7	3728.1	3809.0	3872.4	4146.6	4368.5	3811.0
47.5°	3460.3	3476.9	3583.2	3713.4	3869.5	3955.4	4089.5	4226.6	4584.1	4815.3	4160.2
50°	3608.1	3600.8	3705.6	3892.4	4092.9	4205.6	4396.8	4602.2	5018.2	5204.6	4365.6
52.5°	3765.6	3762.7	3840.3	4087.1	4356.3	4488.0	4740.7	4990.4	5433.3	5472.8	4459.7
55°	3960.7	3939.8	4005.1	4309.0	4669.0	4810.4	5108.0	5374.8	5764.0	5624.0	4507.0
57.5°	4165.1	4130.5	4192.9	4556.3	5021.6	5188.9	5514.8	5749.4	5984.0	5727.5	4506.6
60°	4376.3	4335.3	4409.5	4865.6	5459.7	5653.3	5955.7	6002.6	6189.4	5779.6	4473.4
62.5°	4552.9	4528.5	4638.7	5196.3	5948.9	6139.1	6288.9	6232.8	6362.5	5820.1	4395.8
65°	4739.7	4741.2	4919.2	5582.1	6468.9	6597.2	6609.8	6531.3	6507.4	5811.8	4133.4
67.5°	4992.4	5015.8	5312.8	6106.0	6974.7	7073.7	7072.7	6854.7	6613.3	5482.1	3551.5
70°	5259.7	5314.8	5766.5	6705.4	7526.9	7627.3	7575.6	7060.5	6226.9	4432.9	2513.5
72.5°	5214.8	5310.4	6018.7	7083.5	7923.4	8000.0	7663.9	6554.7	4921.6	2576.4	1070.2
75°	4023.2	4133.9	5518.7	6708.9	7507.3	7438.6	6585.0	5100.7	2689.6	719.0	241.0
77.5°	2125.2	2184.3	3645.6	5110.9	5853.8	5709.9	4638.7	2829.6	819.9	178.0	108.3
80°	1113.1	1126.8	1588.7	2899.8	3612.9	3613.9	2749.1	1242.9	338.0	91.2	72.7
82.5°	596.1	607.8	839.5	1339.9	1893.1	1716.0	1052.6	683.9	196.6	51.7	69.8
85°	143.4	145.8	476.1	612.2	744.3	531.7	312.7	574.1	53.2	30.2	56.6
87.5°	55.1	56.1	176.6	264.9	189.7	122.9	146.3	214.1	6.8	11.7	8.8
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°	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9	2159.9
2.5°	2138.4	2125.7	2094.5	2055.0	2019.9	1994.5	1956.5	1931.6	1915.0	1914.5	1908.2
5°	2084.3	2058.4	1991.1	1911.1	1838.4	1773.1	1696.0	1635.0	1589.7	1582.3	1566.7
7.5°	2026.2	1983.8	1880.4	1755.5	1633.6	1509.7	1365.8	1276.5	1199.9	1163.3	1159.4
10°	1990.6	1931.1	1784.3	1603.8	1412.6	1211.1	1022.9	892.6	798.5	771.7	751.7
12.5°	1983.3	1904.8	1710.1	1461.4	1188.2	921.9	713.6	575.1	500.0	476.1	469.7
15°	1990.6	1892.6	1647.7	1320.4	960.9	654.1	479.0	398.5	370.2	363.4	362.9
17.5°	1995.0	1877.9	1577.0	1163.8	740.4	467.3	366.8	343.4	339.0	338.5	339.5
20°	1994.5	1855.5	1492.6	989.2	550.7	367.3	331.7	326.8	325.8	326.3	325.8
22.5°	1991.1	1829.2	1399.9	809.2	416.1	328.3	316.6	313.6	313.2	313.2	313.2
25°	1997.4	1808.2	1298.0	637.0	342.9	310.2	302.9	300.5	300.0	300.0	299.0
27.5°	2020.4	1796.5	1186.3	490.2	309.7	294.1	288.3	287.8	286.3	285.8	286.8
30°	2057.4	1796.5	1063.8	381.4	289.7	277.5	273.2	272.2	271.7	271.2	271.7
32.5°	2122.8	1810.1	930.2	317.1	270.7	259.0	256.1	257.5	256.1	256.1	256.1
35°	2240.8	1851.1	790.2	276.6	250.7	241.0	238.0	240.0	239.0	239.0	238.5
37.5°	2413.0	1927.2	649.2	252.2	233.2	222.9	219.0	221.9	221.0	221.0	220.5
40°	2622.8	2037.9	515.1	233.6	216.1	205.4	201.9	203.4	201.0	201.0	201.9
42.5°	2881.8	2178.4	398.0	215.6	199.0	188.8	186.8	185.4	181.0	178.5	179.0
45°	3169.6	2324.7	310.2	198.0	182.9	174.6	171.7	167.8	160.5	155.6	156.1
47.5°	3426.6	2437.4	252.2	181.0	168.3	161.9	157.6	150.2	139.5	133.7	134.1
50°	3561.7	2454.5	214.6	163.9	154.6	148.3	141.9	130.7	118.0	111.7	111.2
52.5°	3596.4	2374.5	186.8	148.3	141.0	133.7	125.4	110.2	96.1	89.3	88.3
55°	3609.0	2252.5	161.9	133.7	126.3	118.0	107.3	90.2	77.1	70.2	69.8
57.5°	3567.1	2070.6	142.4	120.5	111.7	101.5	88.3	72.2	59.5	54.1	54.1
60°	3473.9	1824.3	127.3	106.3	96.6	84.9	71.2	56.1	44.4	40.0	40.0
62.5°	3288.1	1505.3	113.2	91.7	82.4	70.2	57.6	42.4	31.2	28.8	29.3
65°	2937.4	1141.9	99.0	78.5	70.2	58.0	44.9	30.2	21.0	21.0	21.9
67.5°	2395.5	793.1	84.4	66.8	60.5	47.3	34.1	21.0	14.6	16.6	18.5
70°	1585.8	444.9	72.2	55.1	51.7	37.6	25.4	14.1	11.7	15.6	19.0
72.5°	598.5	173.2	60.5	44.4	44.9	28.8	18.0	10.7	10.7	17.1	22.4
75°	166.8	84.9	43.4	32.7	35.1	21.0	13.2	9.3	10.2	19.5	26.3
77.5°	98.0	62.4	28.3	19.0	23.9	14.6	8.8	7.3	8.8	16.6	25.4
80°	79.0	33.2	16.6	9.8	13.2	8.3	5.9	4.4	2.4	6.3	13.2
82.5°	79.0	20.0	7.8	6.8	6.8	4.4	2.9	2.0	0.5	0.0	3.4
85°	53.2	8.3	4.9	4.4	3.4	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	8.8	3.4	2.0	1.0	0.5	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)