

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: P320006

Luminaire Tested: **GAN-SA2C-740-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-740-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13751 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

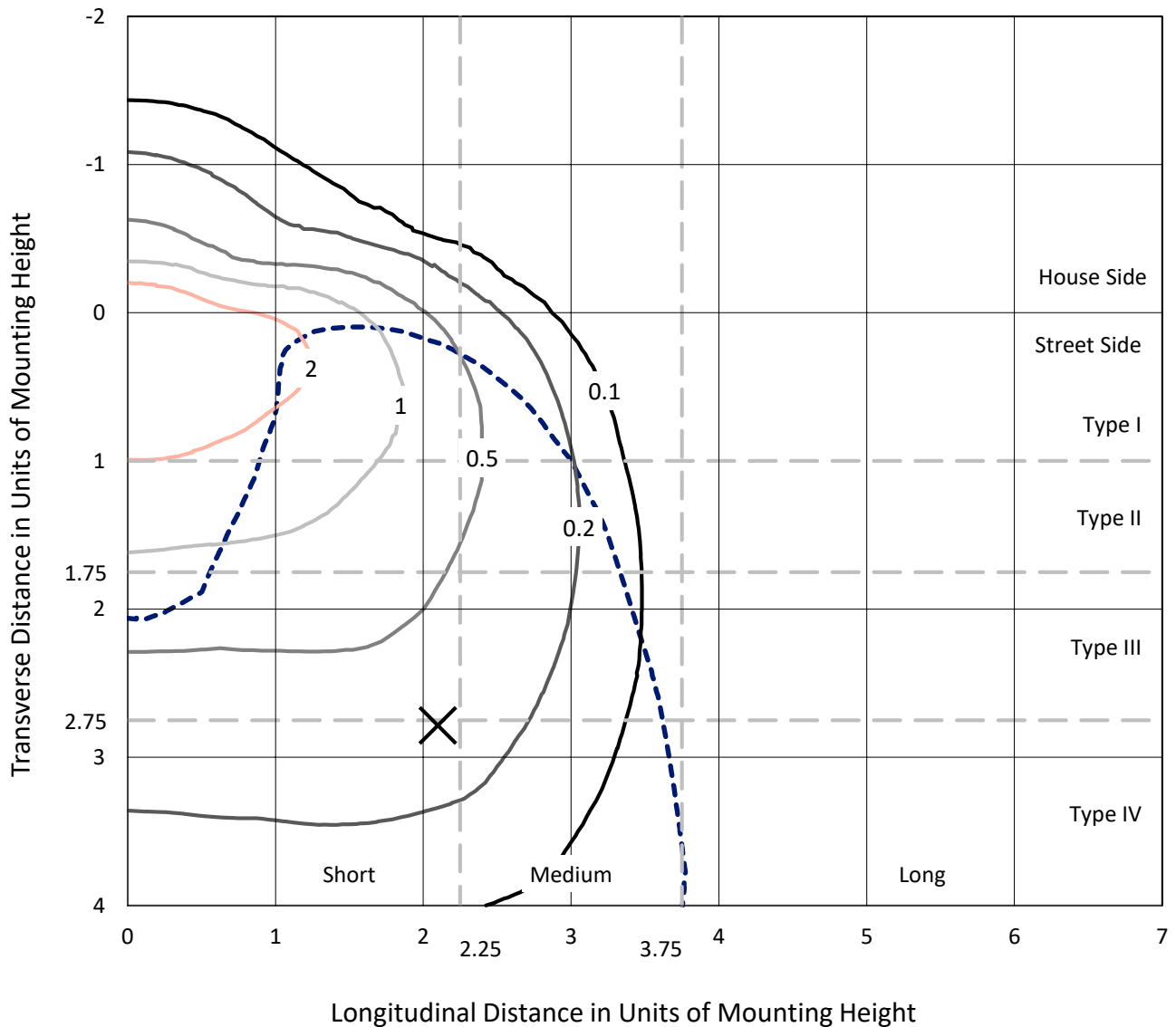
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

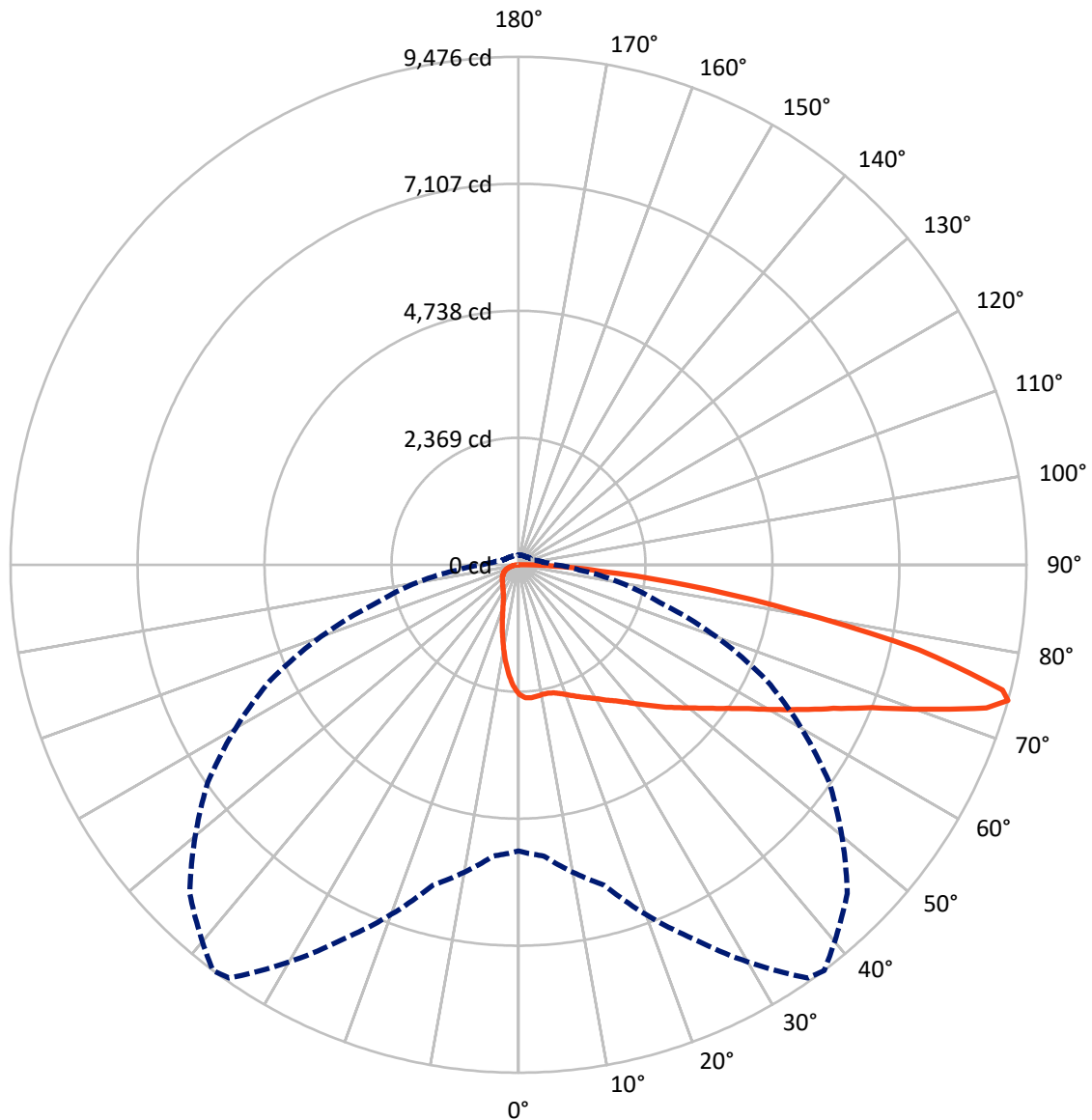
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1892.0	0.0	1892.0
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	11859.0	0.0	11859.0
	% Fixture	86.2	0.0	86.2
Total	Lumens	13751.0	0.0	13751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	1.6
10°-20°	546.9	4.0
20°-30°	842.7	6.1
30°-40°	1225.4	8.9
40°-50°	1803.5	13.1
50°-60°	2532.7	18.4
60°-70°	3205.6	23.3
70°-80°	2822.7	20.5
80°-90°	558.1	4.1
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°	13751.0	100.0
0°-180°	13751.0	100.0

Coefficient of Utilization

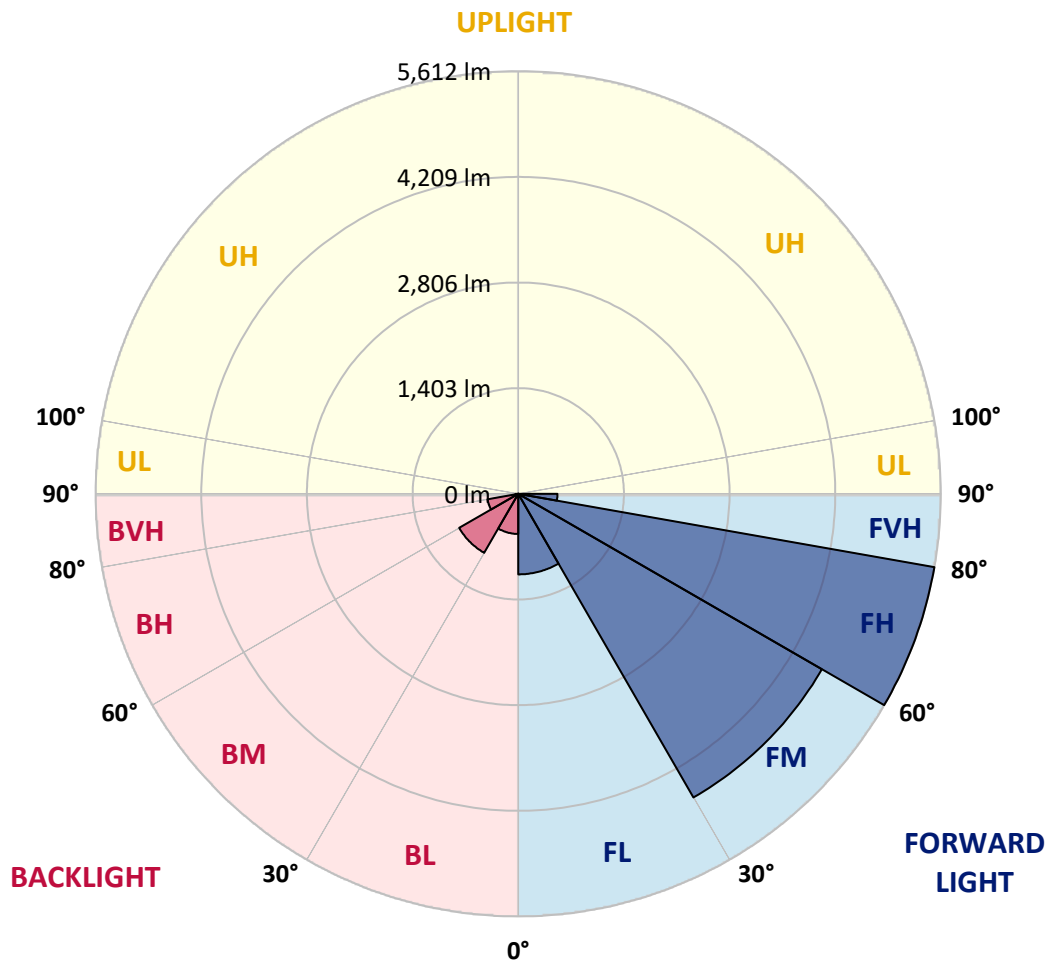


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1070.0	7.8			
FM (30°-60°)	4656.2	33.9			
FH (60°-80°)	5612.5	40.8			G3/7500
FVH (80°-90°)	520.3	3.8			G4/750
BL (0°-30°)	532.9	3.9	B2/1000		
BM (30°-60°)	905.4	6.6	B1/1000		
BH (60°-80°)	415.9	3.0	B1/500		G1/500
BVH (80°-90°)	37.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9
2.5°	2505.7	2506.2	2505.7	2501.8	2492.6	2484.9	2478.6	2469.4	2449.0	2433.5	2410.3
5°	2529.4	2526.5	2524.6	2517.3	2502.8	2494.1	2482.0	2464.5	2431.1	2400.1	2362.3
7.5°	2518.3	2514.9	2510.5	2501.8	2485.4	2478.1	2461.1	2438.4	2398.2	2357.5	2303.2
10°	2483.9	2482.9	2481.0	2479.1	2465.0	2459.2	2443.7	2419.5	2379.8	2330.4	2266.9
12.5°	2445.6	2448.1	2455.8	2466.0	2459.7	2456.8	2447.1	2430.6	2389.9	2336.7	2260.1
15°	2421.4	2428.2	2449.0	2475.7	2481.0	2480.0	2477.6	2467.0	2423.8	2364.7	2275.6
17.5°	2413.2	2424.3	2464.0	2508.1	2523.6	2527.0	2528.0	2509.6	2461.6	2399.1	2291.6
20°	2428.2	2442.2	2500.4	2560.9	2585.6	2587.6	2583.2	2551.2	2497.5	2428.7	2300.3
22.5°	2473.7	2486.3	2559.0	2627.3	2655.4	2658.3	2645.2	2596.8	2535.2	2463.6	2312.4
25°	2561.4	2576.9	2649.6	2717.9	2732.4	2732.9	2714.0	2653.9	2584.7	2512.5	2338.6
27.5°	2675.7	2691.2	2756.6	2823.5	2815.7	2811.3	2785.7	2725.6	2649.1	2579.8	2385.1
30°	2803.1	2820.1	2882.1	2929.5	2911.1	2902.4	2881.6	2804.1	2738.7	2671.8	2456.3
32.5°	2934.9	2950.4	3004.6	3037.1	3013.8	3009.9	2978.5	2907.7	2855.4	2812.3	2571.6
35°	3070.0	3081.1	3134.4	3152.8	3121.8	3120.9	3112.1	3047.2	3014.3	3034.6	2739.2
37.5°	3208.1	3211.0	3256.5	3257.5	3248.3	3252.1	3261.3	3220.6	3229.9	3293.3	2957.1
40°	3331.1	3338.8	3371.8	3381.9	3397.9	3411.5	3457.5	3430.9	3502.1	3614.4	3228.4
42.5°	3422.2	3437.2	3490.0	3516.1	3567.9	3589.3	3654.2	3678.9	3822.2	3990.8	3551.0
45°	3499.2	3522.4	3607.2	3661.0	3748.6	3785.9	3878.9	3961.8	4184.1	4399.1	3890.5
47.5°	3582.5	3612.0	3718.1	3820.8	3940.0	3982.1	4151.1	4275.1	4570.1	4809.9	4210.7
50°	3705.0	3727.8	3831.5	3992.8	4141.5	4195.7	4429.7	4607.4	4962.5	5201.3	4488.3
52.5°	3876.0	3867.3	3955.0	4181.2	4380.7	4447.6	4727.1	4961.0	5360.2	5555.4	4722.7
55°	4048.0	4033.4	4095.0	4378.3	4659.7	4730.0	5054.5	5316.1	5738.5	5874.1	4902.4
57.5°	4239.3	4211.7	4263.5	4600.6	4977.5	5061.3	5421.2	5693.4	6110.5	6131.8	5016.7
60°	4436.4	4399.1	4457.3	4876.3	5381.0	5479.8	5850.4	6061.5	6461.2	6338.1	5053.5
62.5°	4608.9	4582.7	4672.3	5183.8	5835.8	5944.3	6271.8	6452.9	6807.0	6423.9	4920.8
65°	4759.5	4763.9	4918.9	5529.7	6343.0	6458.7	6755.2	6935.4	7079.2	6373.0	4610.3
67.5°	4939.2	4963.9	5228.4	5985.0	6981.4	7108.3	7458.5	7461.4	7231.3	6074.6	3999.0
70°	5201.3	5252.1	5654.2	6616.6	7889.1	8063.5	8333.8	7770.4	7017.7	5265.7	3146.5
72.5°	5433.8	5528.7	6107.1	7339.3	8995.4	9127.7	8845.8	7592.2	6125.0	3946.3	1960.3
74°	5339.3	5457.0	6189.4	7695.4	9412.0	9475.5	8672.8	7072.0	5106.8	2732.9	1139.3
75°	5135.9	5263.8	6069.3	7692.0	9359.2	9323.8	8255.3	6477.6	4205.9	1863.9	758.1
77.5°	4144.8	4280.0	5114.1	6592.4	7674.0	7640.6	6341.5	4345.4	1842.1	611.3	385.1
80°	2409.8	2513.0	3174.6	4186.5	5174.6	5235.2	4170.5	2150.2	724.6	343.4	261.1
82.5°	1070.5	1141.7	1533.5	2137.1	3122.8	3200.8	2184.1	1126.7	447.6	208.8	156.9
85°	702.4	755.1	931.0	1017.7	1487.0	1540.3	1069.0	877.2	295.5	114.8	115.3
87.5°	505.2	556.1	691.7	604.0	682.5	646.2	581.7	811.8	118.7	65.4	38.8
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°	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9	2422.9
2.5°	2400.1	2392.4	2374.9	2342.0	2323.6	2308.1	2282.4	2267.4	2260.6	2260.1	2263.0
5°	2340.5	2322.6	2277.6	2222.3	2178.3	2138.1	2088.2	2058.1	2036.8	2024.2	2027.6
7.5°	2271.3	2243.2	2172.4	2084.3	2013.6	1935.6	1858.6	1812.6	1776.7	1750.1	1754.9
10°	2223.8	2185.0	2081.9	1955.0	1837.3	1723.9	1617.8	1554.4	1504.0	1465.3	1468.2
12.5°	2207.8	2155.5	2012.6	1843.1	1677.9	1522.9	1384.4	1287.0	1235.2	1191.1	1194.5
15°	2210.2	2140.0	1954.5	1742.3	1534.5	1339.3	1171.2	1057.4	987.2	956.7	957.1
17.5°	2212.2	2122.1	1893.4	1634.3	1392.6	1167.8	985.2	869.9	803.6	775.5	776.0
20°	2205.9	2093.0	1817.9	1510.3	1244.4	1010.4	833.6	735.8	685.4	663.6	663.6
22.5°	2197.6	2058.6	1732.6	1385.8	1098.1	873.8	725.1	650.5	621.5	606.9	606.4
25°	2201.5	2032.9	1645.4	1257.9	963.4	764.8	652.9	603.5	584.2	575.0	574.5
27.5°	2222.3	2020.8	1565.0	1130.5	845.7	683.0	604.5	569.6	557.0	551.2	551.2
30°	2260.1	2020.8	1481.2	1022.0	747.9	622.4	567.2	543.5	534.8	530.9	530.9
32.5°	2326.0	2032.0	1400.3	914.5	669.9	575.0	536.2	520.2	513.4	511.5	511.5
35°	2439.3	2069.8	1321.4	812.8	606.9	536.2	506.7	497.5	492.6	492.1	493.6
37.5°	2598.7	2146.8	1247.3	737.7	562.4	504.7	482.0	474.7	471.8	474.2	476.1
40°	2799.2	2251.4	1180.0	669.9	528.5	479.5	459.2	454.3	452.9	456.3	459.2
42.5°	3041.4	2392.8	1124.7	621.0	502.3	458.2	439.8	434.0	432.6	436.4	440.3
45°	3303.5	2544.9	1086.0	584.6	482.0	442.2	422.9	416.6	413.7	415.6	420.0
47.5°	3541.8	2688.8	1070.5	559.0	462.6	428.7	407.8	400.1	395.3	394.3	397.7
50°	3742.8	2795.8	1077.7	543.5	447.1	413.7	393.3	384.6	377.3	373.0	375.4
52.5°	3889.1	2863.2	1084.5	536.7	435.0	397.2	377.3	369.1	359.4	352.1	352.1
55°	3995.2	2878.7	1069.5	531.4	425.8	379.3	359.4	351.7	342.0	333.7	332.8
57.5°	4036.8	2835.1	1013.8	523.6	419.5	362.3	340.5	334.7	326.5	316.8	316.3
60°	3980.6	2700.4	906.3	507.1	411.2	348.3	321.6	317.8	313.9	304.7	304.2
62.5°	3754.9	2405.0	767.3	473.7	394.8	333.3	304.2	306.1	306.6	300.3	299.3
65°	3345.6	1999.0	631.6	430.1	370.1	315.3	286.3	295.5	300.8	299.8	298.4
67.5°	2750.8	1555.8	535.2	384.1	337.6	290.6	266.9	277.6	281.9	285.3	284.3
70°	2041.7	1097.1	442.7	335.7	298.4	261.6	241.7	247.0	244.1	248.0	249.5
72.5°	1138.3	658.3	360.9	287.2	257.7	227.7	213.6	212.6	206.3	206.3	206.3
74°	683.0	482.9	317.3	257.2	233.0	205.4	193.3	188.9	183.1	183.6	183.1
75°	549.3	415.1	291.1	237.3	215.5	192.3	180.2	174.4	170.0	170.0	169.5
77.5°	346.8	315.3	234.4	188.9	172.4	158.4	150.2	142.4	142.4	141.9	141.4
80°	262.1	250.9	182.6	142.9	132.2	121.6	116.3	112.9	112.9	114.3	113.8
82.5°	179.7	188.9	128.4	99.8	94.5	86.7	85.7	86.2	84.8	82.8	82.3
85°	131.3	141.9	86.7	63.0	57.6	52.8	56.7	58.6	56.2	51.8	49.9
87.5°	50.4	93.0	46.5	26.2	24.2	20.8	24.2	25.2	27.1	21.3	21.8
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)