

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: P322569

Luminaire Tested: **GAN-SA5C-740-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5C-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25105 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

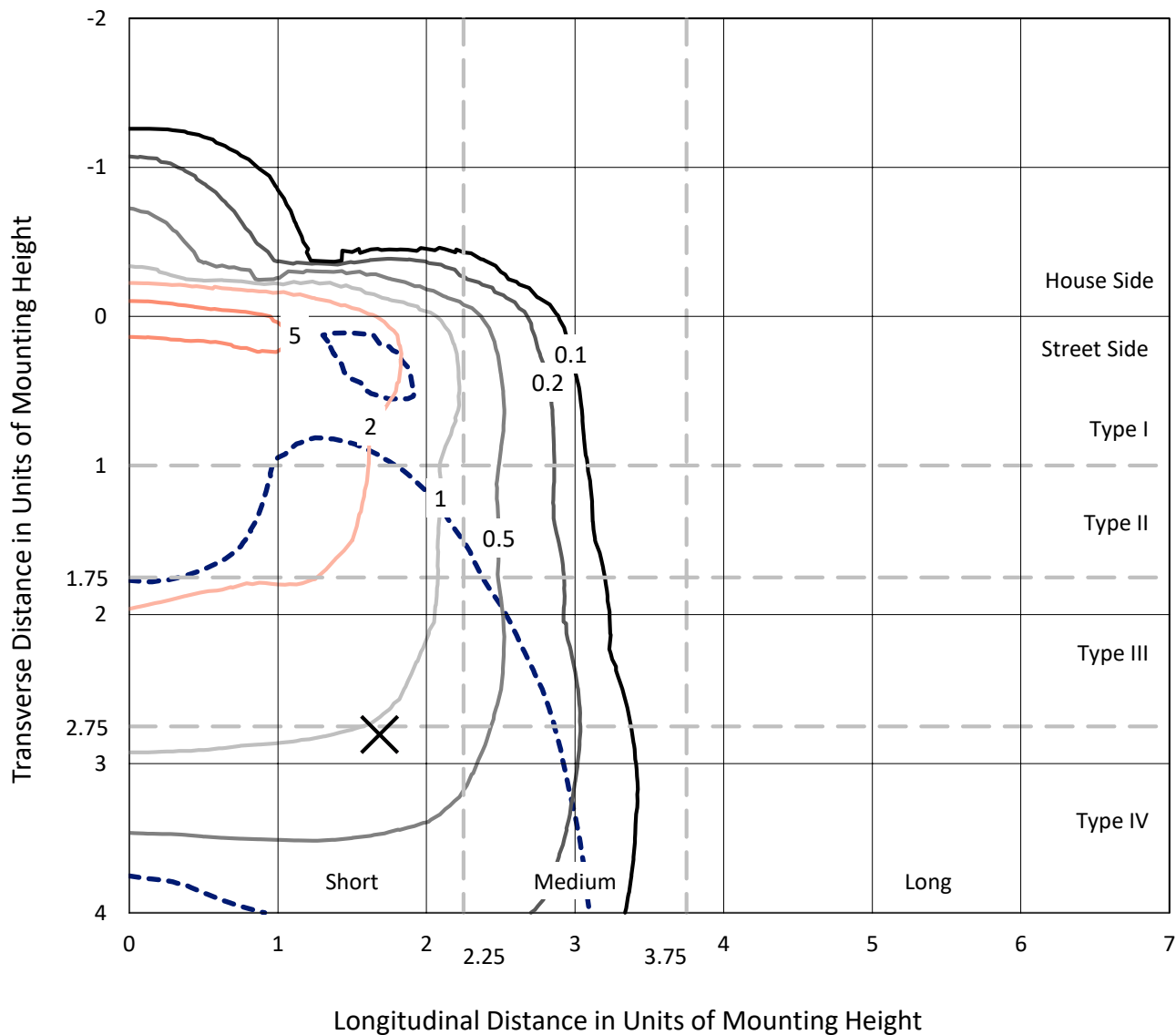
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

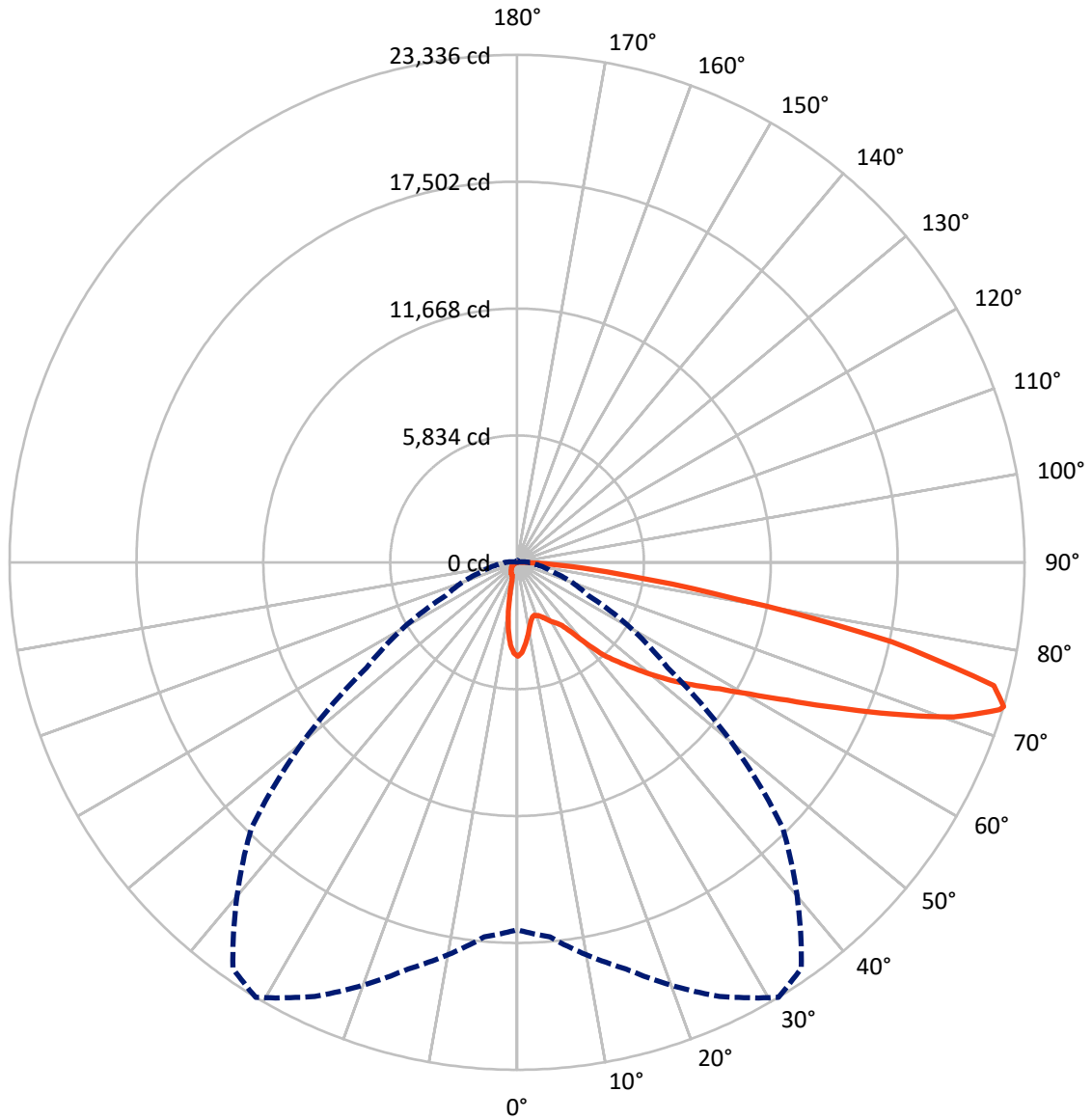
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2288.4	0.0	2288.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	22816.6	0.0	22816.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	25105.0	0.0	25105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.1	1.4
10°-20°	777.6	3.1
20°-30°	1165.1	4.6
30°-40°	1853.7	7.4
40°-50°	3310.1	13.2
50°-60°	5136.4	20.5
60°-70°	6828.1	27.2
70°-80°	5136.1	20.5
80°-90°	539.7	2.1
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°	25105.0	100.0
0°-180°	25105.0	100.0

Coefficient of Utilization

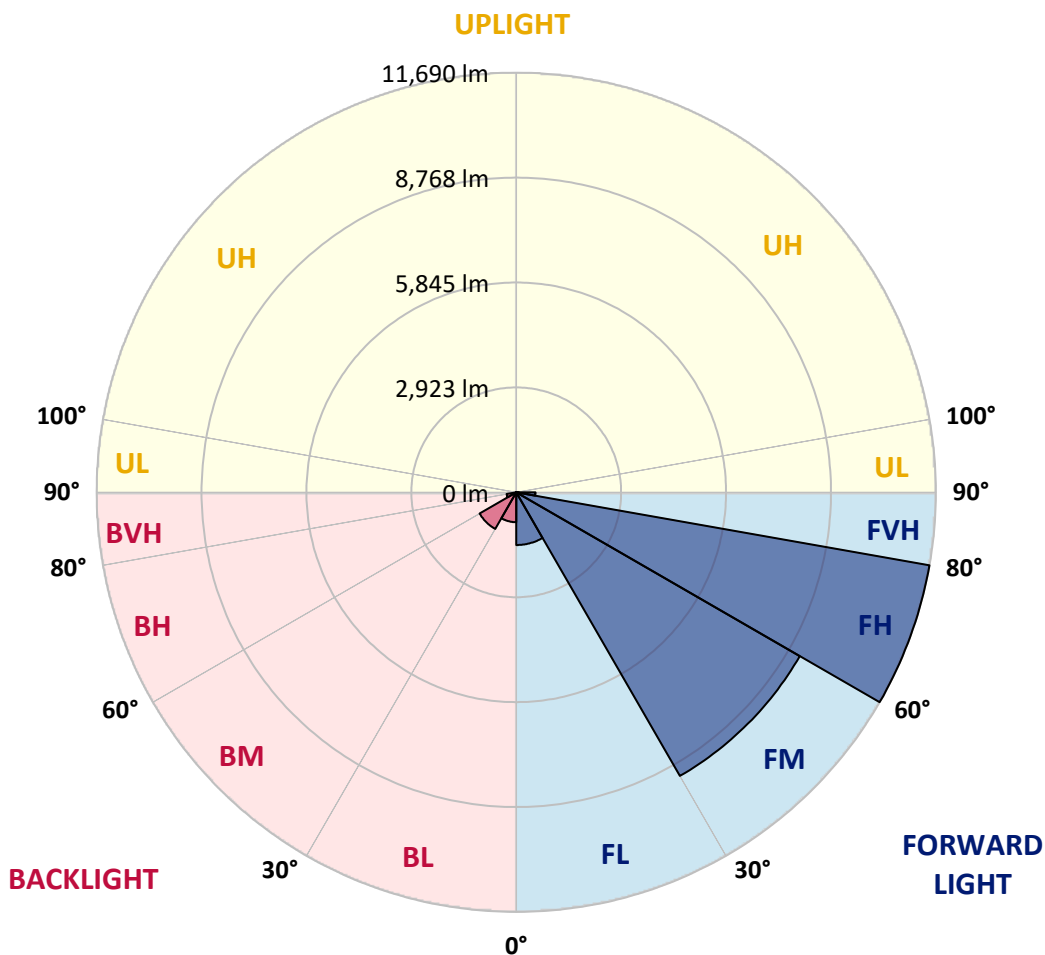


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1468.7	5.9			
FM (30°-60°)	9122.3	36.3			
FH (60°-80°)	11690.5	46.6			G4/12000
FVH (80°-90°)	535.2	2.1			G4/750
BL (0°-30°)	832.2	3.3	B2/1000		
BM (30°-60°)	1177.9	4.7	B2/2500		
BH (60°-80°)	273.8	1.1	B1/500		G1/500
BVH (80°-90°)	4.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4
2.5°	4093.3	4110.5	4129.0	4132.6	4163.3	4164.6	4208.8	4242.0	4275.1	4307.1	4318.1
5°	3673.2	3701.4	3734.6	3767.8	3832.9	3858.7	3966.8	4077.4	4183.0	4283.7	4332.9
7.5°	3224.8	3256.7	3303.4	3385.7	3458.2	3508.6	3679.3	3875.9	4072.4	4257.9	4364.8
10°	2815.7	2845.2	2894.3	2981.5	3093.3	3162.1	3391.9	3664.6	3953.3	4234.6	4412.7
12.5°	2555.3	2571.2	2598.3	2691.6	2792.4	2869.7	3140.0	3477.9	3855.0	4233.4	4490.1
15°	2507.3	2512.3	2490.1	2531.9	2610.5	2685.5	2959.4	3326.7	3780.1	4253.0	4590.9
17.5°	2583.5	2581.1	2507.3	2502.4	2565.1	2626.5	2871.0	3222.3	3727.2	4298.5	4721.1
20°	2699.0	2690.4	2562.6	2539.3	2605.6	2663.4	2864.8	3183.0	3707.6	4374.6	4879.6
22.5°	2852.6	2837.8	2637.6	2613.0	2684.2	2744.4	2941.0	3221.1	3724.8	4476.6	5063.8
25°	3043.0	3020.9	2766.6	2739.5	2812.0	2872.2	3077.4	3330.4	3776.4	4600.7	5297.2
27.5°	3258.0	3226.0	2972.9	2902.9	2985.2	3047.9	3259.2	3497.5	3857.5	4732.1	5583.5
30°	3460.7	3418.9	3190.4	3074.9	3175.6	3245.7	3455.7	3696.5	3987.7	4934.8	5975.4
32.5°	3664.6	3617.9	3384.5	3246.9	3337.8	3414.0	3658.4	3970.5	4232.1	5244.4	6496.2
35°	4133.9	4084.7	3798.5	3571.2	3570.0	3613.0	3942.2	4345.2	4555.2	5675.6	7117.9
37.5°	4923.8	4895.5	4622.8	4191.6	4076.1	4028.2	4329.2	4792.3	5019.6	6269.0	7819.3
40°	5788.6	5764.1	5458.2	5067.5	4891.8	4773.9	4884.5	5415.2	5675.6	6993.8	8535.5
42.5°	6765.3	6648.6	6103.1	5986.4	5829.2	5739.5	5640.0	6183.0	6481.5	7782.5	9245.6
45°	7652.3	7455.7	6748.1	6571.2	6535.6	6557.7	6613.0	7214.9	7388.1	8719.8	9953.2
47.5°	8180.5	8025.7	7482.7	7313.2	7303.4	7449.6	7867.2	8380.8	8291.1	9536.8	10576.1
50°	8683.0	8542.9	8092.1	8133.8	8179.3	8378.3	9291.1	9579.8	9115.4	10277.5	11147.3
52.5°	9089.6	8875.8	8640.0	8874.6	9098.2	9418.8	10760.3	10655.9	9700.1	10867.2	11636.2
55°	9324.2	9227.2	9341.4	9577.3	9997.4	10518.3	12147.3	11551.5	10127.7	11405.3	11961.8
57.5°	10184.2	9993.8	10221.0	10425.0	10972.9	11701.4	13335.2	12218.5	10436.0	11738.2	12036.7
60°	11224.7	11071.1	11205.0	11544.1	12283.7	13139.9	14445.8	12762.8	10596.9	11952.0	11842.6
62.5°	12880.7	12678.0	12594.5	12974.1	13954.4	14889.3	15288.5	13139.9	10561.3	11857.4	11176.8
65°	15099.4	14889.3	14515.8	14859.8	16106.7	16766.4	16230.8	13219.8	10315.6	11092.0	9493.8
67.5°	17372.1	17219.7	16900.3	17480.2	18605.5	18818.0	17227.1	13025.7	9524.5	8993.8	6707.5
70°	18873.3	18808.2	19015.8	20298.3	21302.0	21240.6	18141.1	11982.7	7423.8	5530.7	3318.1
72.5°	17791.0	18103.0	19636.2	21961.7	23187.7	22686.5	17671.8	9201.4	4243.2	2127.7	959.4
73°	16894.2	17293.4	19357.3	22024.3	23336.4	22787.2	17277.5	8445.9	3616.7	1679.3	727.3
75°	11753.0	12243.1	16025.6	20512.1	22641.0	21711.1	14401.6	5169.5	1675.7	744.5	293.6
77.5°	5706.3	6068.7	8824.2	14820.5	17607.9	16963.0	8965.5	1926.3	756.7	465.6	135.1
80°	2130.2	2368.5	3830.4	7542.9	10175.6	10442.2	3943.4	728.5	503.7	374.7	68.8
82.5°	557.7	621.6	1412.8	3363.6	5214.9	5458.2	1243.2	367.3	368.5	308.4	41.8
85°	178.1	203.9	441.0	1509.8	2457.0	2157.2	324.3	178.1	267.8	229.7	23.3
87.5°	22.1	28.3	140.0	355.0	541.8	301.0	50.4	52.8	114.2	127.8	13.5
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°	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4	4319.4
2.5°	4329.2	4323.1	4324.3	4292.3	4271.5	4229.7	4186.7	4167.0	4146.1	4137.6	4146.1
5°	4351.3	4340.3	4308.3	4210.0	4105.6	3970.5	3843.9	3748.1	3627.7	3594.6	3629.0
7.5°	4385.7	4363.6	4270.2	4070.0	3837.8	3579.8	3289.9	3078.6	2905.4	2793.6	2834.1
10°	4436.1	4394.3	4206.3	3866.1	3450.8	2993.8	2582.3	2261.6	2034.4	1941.0	1937.3
12.5°	4520.8	4442.2	4127.7	3600.7	2977.9	2368.5	1829.2	1481.6	1297.3	1178.1	1175.7
15°	4614.2	4498.7	4028.2	3282.5	2427.5	1696.5	1178.1	914.0	794.8	756.7	751.8
17.5°	4728.5	4563.8	3899.2	2890.6	1851.3	1124.1	769.0	692.9	688.0	684.3	684.3
20°	4872.2	4641.2	3733.4	2442.2	1313.3	750.6	653.6	658.5	660.9	656.0	657.2
22.5°	5039.3	4719.9	3535.6	1960.7	888.2	627.8	625.3	631.4	633.9	631.4	632.7
25°	5233.4	4810.8	3294.8	1455.8	641.3	595.8	602.0	610.6	616.7	616.7	616.7
27.5°	5474.1	4921.3	3004.9	1016.0	554.0	562.6	579.8	595.8	604.4	606.9	606.9
30°	5787.4	5058.9	2657.2	696.6	503.7	518.4	550.4	581.1	597.0	599.5	600.7
32.5°	6183.0	5213.7	2254.3	514.7	460.7	471.7	506.1	557.7	588.4	593.4	593.4
35°	6636.3	5393.1	1820.6	448.4	430.0	433.7	460.7	519.7	573.7	587.2	588.4
37.5°	7132.6	5570.0	1384.5	418.9	404.2	404.2	423.8	474.2	538.1	579.8	584.8
40°	7595.7	5676.8	970.5	395.6	380.8	380.8	398.0	434.9	495.1	557.7	571.2
42.5°	8023.3	5713.7	675.7	373.5	358.7	362.4	377.1	406.6	452.1	514.7	527.0
45°	8463.1	5707.6	492.6	347.7	336.6	347.7	358.7	380.8	414.0	449.6	452.1
47.5°	8794.8	5656.0	390.7	323.1	315.7	330.5	340.3	355.0	373.5	371.0	371.0
50°	9105.6	5530.7	314.5	289.9	294.8	312.0	317.0	321.9	323.1	299.8	297.3
52.5°	9341.4	5335.3	251.8	254.3	274.0	291.2	286.2	278.9	266.6	238.3	233.4
55°	9420.1	4959.4	197.8	210.1	243.2	265.4	246.9	231.0	207.6	184.3	179.4
57.5°	9277.5	4474.2	160.9	163.4	205.2	223.6	202.7	184.3	158.5	138.8	135.1
60°	8975.3	3934.8	132.7	122.8	158.5	174.4	160.9	142.5	119.2	104.4	103.2
62.5°	8375.8	3359.9	109.3	95.8	120.4	133.9	125.3	111.8	92.1	82.3	81.1
65°	7115.4	2687.9	88.5	77.4	93.4	104.4	97.1	87.2	72.5	65.1	63.9
67.5°	4966.8	1816.9	72.5	63.9	73.7	82.3	76.2	71.3	57.7	56.5	57.7
70°	2395.6	875.9	60.2	51.6	57.7	63.9	61.4	57.7	55.3	63.9	73.7
72.5°	686.7	293.6	47.9	43.0	46.7	50.4	52.8	51.6	60.2	77.4	89.7
73°	528.3	237.1	45.5	40.5	44.2	49.1	51.6	50.4	61.4	78.6	89.7
75°	226.0	114.2	34.4	33.2	36.9	43.0	45.5	45.5	61.4	79.9	86.0
77.5°	102.0	61.4	22.1	25.8	31.9	34.4	38.1	38.1	49.1	61.4	61.4
80°	57.7	33.2	17.2	19.7	23.3	23.3	23.3	20.9	22.1	24.6	27.0
82.5°	36.9	22.1	13.5	16.0	14.7	12.3	9.8	9.8	8.6	9.8	12.3
85°	20.9	12.3	12.3	9.8	6.1	4.9	6.1	4.9	1.2	0.0	1.2
87.5°	12.3	7.4	3.7	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)