

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: P321607

Luminaire Tested: **GAN-SA3C-740-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16608 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

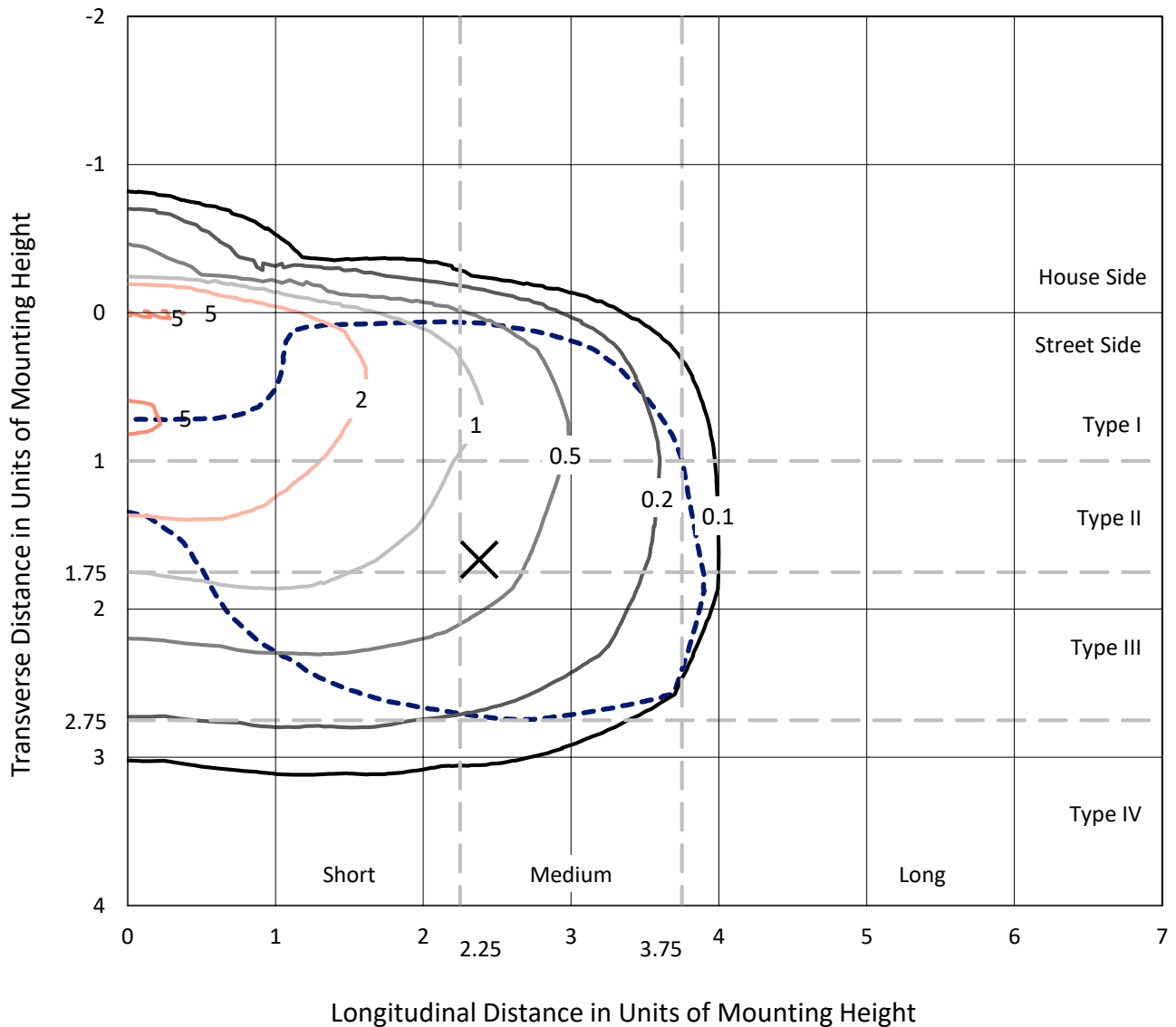
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321607
 CATALOG NUMBER: GAN-SA3C-740-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

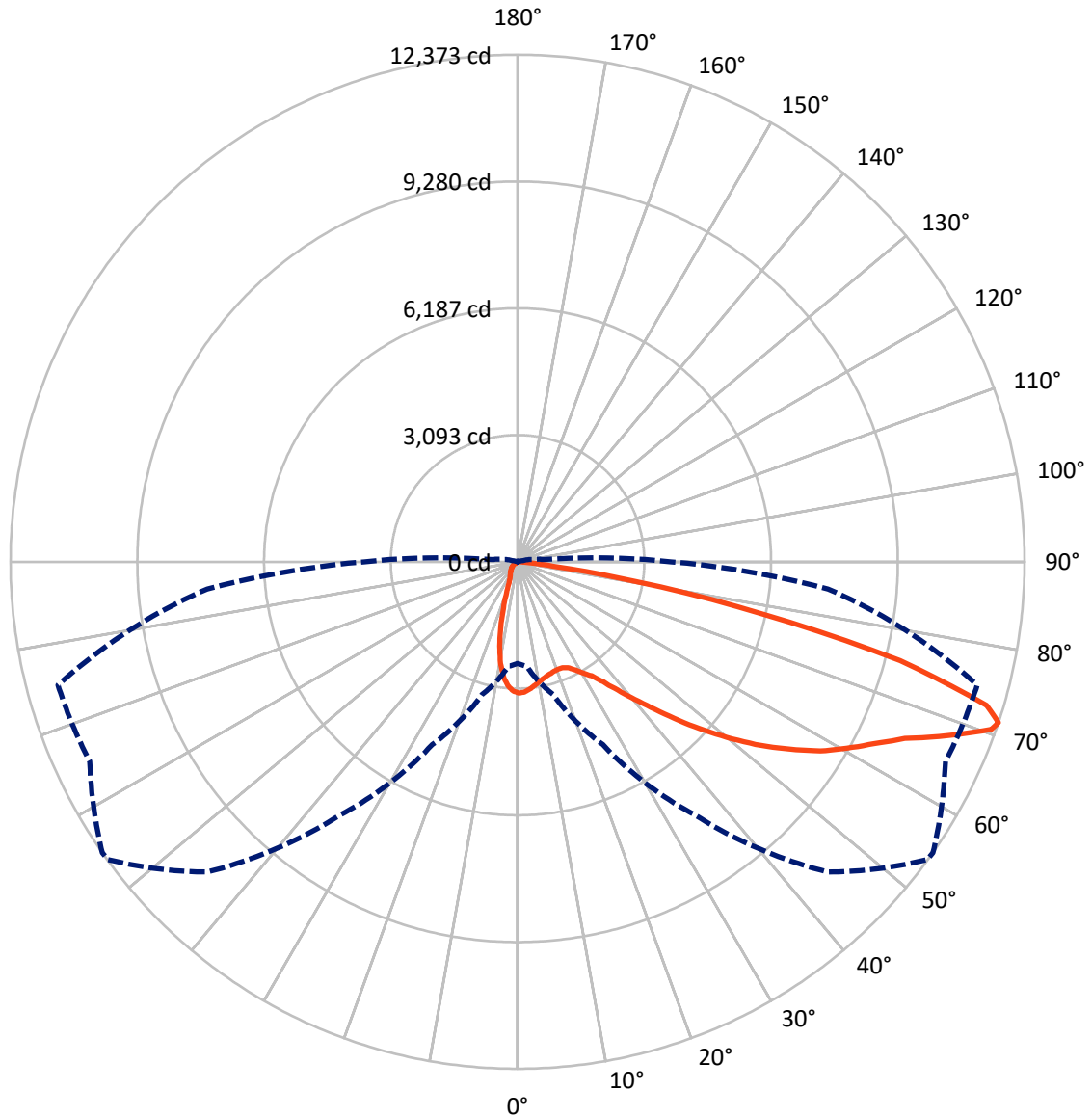
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P321607
CATALOG NUMBER: GAN-SA3C-740-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P321607
 CATALOG NUMBER: GAN-SA3C-740-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1314.9	0.0	1314.9
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	15293.1	0.0	15293.1
	% Fixture	92.1	0.0	92.1
Total	Lumens	16608.0	0.0	16608.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.1	1.6
10°-20°	616.5	3.7
20°-30°	990.8	6.0
30°-40°	1683.4	10.1
40°-50°	2612.8	15.7
50°-60°	3512.9	21.2
60°-70°	4297.4	25.9
70°-80°	2512.6	15.1
80°-90°	108.6	0.7
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°	16608.0	100.0
0°-180°	16608.0	100.0

Coefficient of Utilization

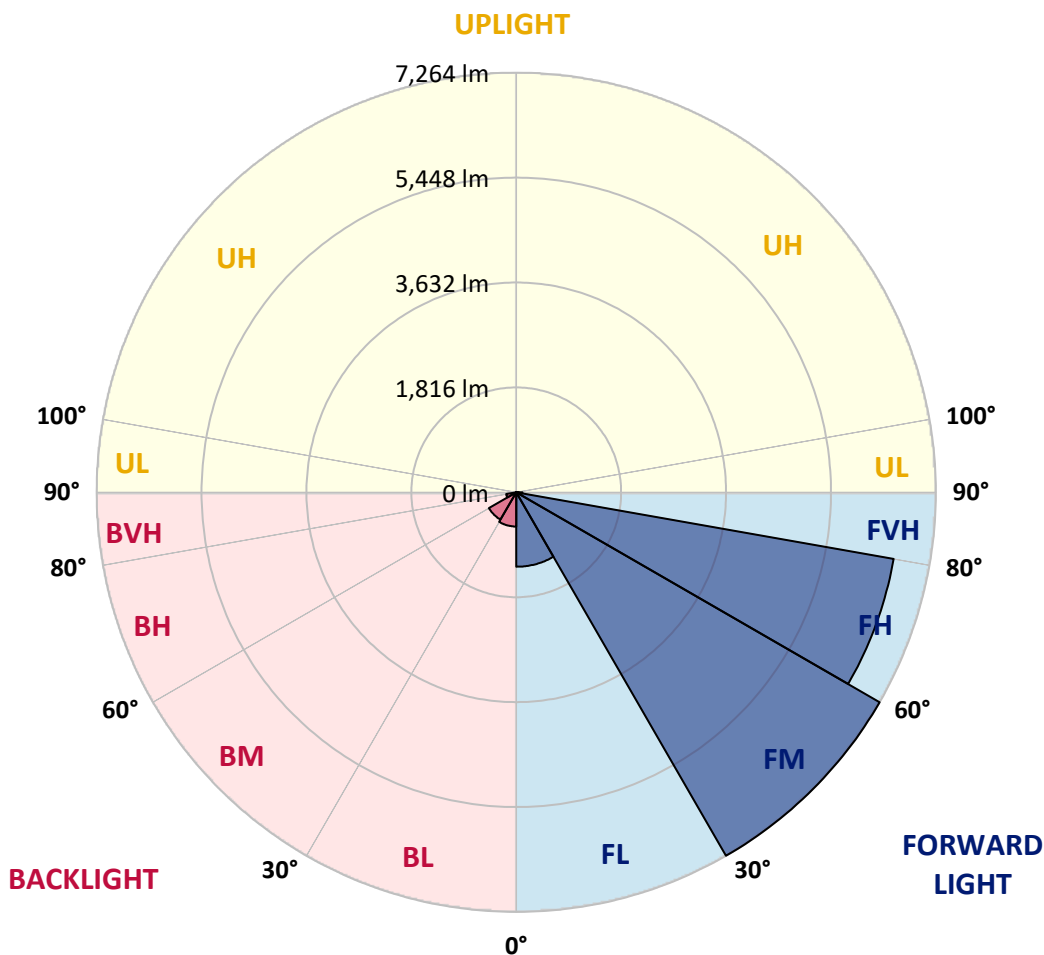


REPORT NUMBER: P321607
 CATALOG NUMBER: GAN-SA3C-740-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1288.5	7.8			
FM (30°-60°)	7263.9	43.7			
FH (60°-80°)	6633.8	39.9			G3/7500
FVH (80°-90°)	106.9	0.6			G2/225
BL (0°-30°)	591.8	3.6	B2/1000		
BM (30°-60°)	545.2	3.3	B1/1000		
BH (60°-80°)	176.2	1.1	B1/500		G1/500
BVH (80°-90°)	1.7	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-G3
 Type III Medium





REPORT NUMBER: P321607

CATALOG NUMBER: GAN-SA3C-740-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9
2.5°	3109.0	3112.7	3126.1	3132.1	3146.2	3170.1	3182.0	3182.8	3202.2	3209.6	3215.6
5°	2889.0	2911.3	2933.7	2957.6	3000.8	3058.2	3114.9	3120.1	3182.8	3229.0	3253.6
7.5°	2699.5	2719.7	2746.5	2784.6	2845.7	2935.9	3030.6	3041.8	3160.4	3265.6	3320.7
10°	2504.9	2521.3	2560.1	2616.0	2700.3	2821.1	2948.6	2967.3	3140.3	3314.8	3411.7
12.5°	2296.8	2306.5	2353.5	2434.1	2557.9	2711.5	2879.3	2903.9	3127.6	3371.4	3519.1
15°	2138.8	2143.2	2188.0	2271.5	2413.2	2613.0	2825.6	2855.4	3130.6	3439.3	3636.2
17.5°	2098.5	2100.7	2124.6	2182.0	2307.3	2525.0	2783.1	2819.6	3139.5	3505.7	3754.0
20°	2261.8	2246.1	2221.5	2212.6	2266.3	2472.1	2757.7	2798.7	3151.5	3564.6	3859.9
22.5°	2710.0	2663.7	2561.6	2425.1	2342.3	2475.8	2764.4	2805.4	3189.5	3636.9	3982.2
25°	3375.2	3311.0	3137.3	2868.8	2610.8	2583.2	2820.4	2862.1	3263.3	3723.4	4099.3
27.5°	4132.1	4068.7	3856.2	3472.9	3032.9	2795.7	2948.6	2987.4	3372.9	3800.2	4188.8
30°	4856.9	4839.0	4588.5	4153.0	3563.8	3140.3	3114.2	3147.0	3454.2	3846.5	4259.6
32.5°	5471.4	5443.1	5241.7	4818.2	4171.6	3554.2	3308.8	3318.5	3515.4	3906.1	4352.1
35°	6041.2	6006.1	5829.4	5428.9	4795.0	4059.8	3608.6	3594.4	3648.9	4026.2	4486.3
37.5°	6538.6	6570.6	6374.5	5993.4	5354.3	4585.5	4012.8	3970.3	3857.7	4221.6	4681.0
40°	6954.7	6954.7	6852.5	6534.8	5958.4	5129.1	4469.9	4414.0	4171.6	4522.9	4927.8
42.5°	7104.6	7136.6	7174.7	6995.0	6499.0	5694.4	4979.2	4921.1	4613.8	4950.2	5239.5
45°	7113.5	7164.2	7358.9	7358.1	6987.5	6255.9	5553.5	5525.9	5180.6	5499.0	5625.8
47.5°	6987.5	7050.9	7371.5	7553.5	7374.5	6778.7	6181.4	6147.1	5846.5	6171.7	6030.0
50°	6792.9	6863.0	7235.8	7630.3	7637.8	7233.6	6842.8	6791.4	6579.6	6940.5	6447.6
52.5°	6444.6	6580.3	7114.3	7648.2	7810.8	7626.6	7472.2	7449.8	7399.9	7681.0	6780.2
55°	5699.6	5850.3	6809.3	7654.2	7971.1	7974.8	8062.1	8068.1	8168.7	8373.1	7027.8
57.5°	5347.6	5432.6	6276.8	7682.5	8209.0	8370.1	8663.2	8709.4	8865.2	9030.1	7310.4
60°	5126.2	5226.8	6014.3	7643.7	8582.6	8888.4	9220.2	9235.9	9402.9	9707.9	7693.0
62.5°	4949.4	5048.6	5848.8	7494.6	9002.5	9511.8	9764.6	9766.1	9891.4	10515.5	8127.7
65°	4513.2	4596.7	5513.9	7326.8	9279.9	10128.5	10397.0	10387.3	10489.4	11367.2	8632.6
67.5°	3882.3	3946.4	4830.1	6690.7	9175.5	10689.3	11351.5	11319.4	11195.7	12103.2	8830.9
70°	3001.6	3024.7	3807.0	5575.8	8197.1	10904.8	12274.0	12257.6	11628.9	11971.2	8103.9
71°	2481.0	2557.1	3355.0	4921.1	7541.6	10705.7	12363.5	12373.2	11520.0	11611.8	7603.5
72.5°	1440.8	1505.6	2431.8	3779.4	6402.8	9875.0	11899.6	11969.7	11011.5	10561.8	6494.6
75°	308.7	330.4	901.6	1829.3	3522.1	6921.1	9392.5	9642.3	8974.9	7185.1	3914.3
77.5°	214.8	231.9	386.3	830.0	1164.1	3419.9	5834.6	6116.5	5361.8	2700.3	1252.8
80°	170.0	189.4	301.3	410.2	314.7	1102.9	2733.1	2905.4	1788.3	602.6	211.0
82.5°	94.7	112.6	234.9	221.5	120.8	209.6	765.1	865.0	358.0	121.6	50.0
85°	27.6	33.6	151.4	161.1	51.5	40.3	130.5	161.8	67.9	32.1	22.4
87.5°	0.0	0.0	73.1	61.9	14.9	6.0	11.9	13.4	13.4	13.4	14.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P321607
 CATALOG NUMBER: GAN-SA3C-740-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9	3202.9
2.5°	3215.6	3220.8	3202.2	3177.6	3151.5	3119.4	3085.8	3059.7	3059.0	3046.3	3033.6
5°	3255.1	3252.1	3200.7	3122.4	3029.9	2933.7	2842.0	2738.3	2704.0	2661.5	2647.3
7.5°	3328.2	3307.3	3198.4	3026.9	2824.1	2622.7	2414.7	2205.1	2115.6	2035.1	2020.9
10°	3419.9	3380.4	3184.3	2883.7	2511.6	2140.2	1826.3	1541.4	1416.1	1319.9	1315.5
12.5°	3515.4	3455.0	3144.7	2667.5	2102.2	1580.2	1218.5	938.1	833.7	766.6	772.6
15°	3615.3	3525.1	3059.7	2375.9	1636.1	1072.4	748.7	583.9	542.1	525.0	529.5
17.5°	3717.5	3573.5	2941.2	2024.7	1176.0	692.0	518.3	472.0	472.0	475.8	477.3
20°	3806.2	3599.6	2766.7	1630.9	797.2	504.1	453.4	446.7	450.4	456.4	457.1
22.5°	3894.2	3601.1	2539.2	1231.9	557.8	441.5	431.8	428.8	431.0	437.7	438.5
25°	3965.8	3583.2	2254.3	876.2	445.2	416.1	411.6	410.2	411.6	419.8	419.8
27.5°	3994.9	3518.4	1906.8	616.0	399.0	387.8	386.3	387.8	390.0	396.0	396.7
30°	3997.9	3405.0	1528.0	445.9	361.7	349.7	352.7	358.0	355.7	354.2	355.7
32.5°	4005.3	3273.8	1158.9	366.9	330.4	311.7	308.0	308.0	299.0	293.8	290.8
35°	4029.9	3119.4	840.4	329.6	298.3	276.7	262.5	246.1	228.9	220.0	217.8
37.5°	4068.7	2957.6	601.8	305.0	270.0	245.3	218.5	189.4	164.8	158.1	158.1
40°	4139.5	2790.5	445.2	285.6	247.6	217.0	176.7	138.7	116.3	112.6	112.6
42.5°	4251.4	2614.5	355.0	268.5	228.2	187.9	135.0	100.7	84.3	82.0	81.3
45°	4367.7	2420.6	310.2	252.1	207.3	154.4	99.9	74.6	64.9	62.6	62.6
47.5°	4484.1	2214.1	288.6	236.4	187.2	120.1	74.6	58.9	54.4	54.4	55.2
50°	4582.5	1998.6	272.9	219.2	161.1	91.0	58.9	50.0	48.5	51.5	52.2
52.5°	4607.1	1786.8	253.5	197.6	129.0	69.4	48.5	44.0	44.0	44.0	44.0
55°	4592.2	1622.7	228.2	170.8	95.5	55.2	41.8	38.8	38.0	38.0	38.0
57.5°	4642.9	1525.8	182.7	132.7	68.6	44.7	36.5	34.3	32.8	32.1	32.1
60°	4745.1	1462.4	130.5	95.5	51.5	37.3	31.3	29.1	26.8	25.4	25.4
62.5°	4880.8	1407.2	96.9	70.8	39.5	29.8	26.1	23.9	20.9	19.4	19.4
65°	4985.2	1308.8	73.8	52.9	29.8	23.9	20.1	19.4	14.9	13.4	12.7
67.5°	4825.6	1092.5	59.7	38.8	22.4	18.6	15.7	14.9	8.9	7.5	7.5
70°	4138.8	760.6	47.7	28.3	16.4	14.9	12.7	9.7	6.7	6.0	6.0
71°	3753.3	635.4	43.3	23.9	14.2	14.2	11.9	8.2	6.0	5.2	5.2
72.5°	3117.9	451.2	36.5	18.6	12.7	14.9	12.7	7.5	6.0	5.2	4.5
75°	1809.9	188.7	25.4	12.7	9.7	17.9	16.4	6.7	4.5	3.7	3.7
77.5°	544.4	69.4	14.2	8.2	7.5	15.7	18.6	6.0	2.2	0.7	0.7
80°	99.2	29.8	8.9	5.2	5.2	9.7	14.2	3.0	0.0	0.0	0.0
82.5°	35.0	14.9	5.2	3.0	2.2	4.5	6.7	0.0	0.0	0.0	0.0
85°	20.1	10.4	3.0	1.5	0.0	0.7	1.5	0.0	0.0	0.0	0.0
87.5°	13.4	3.0	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)