

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: P323207

Luminaire Tested: **GAN-SA3C-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17885 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

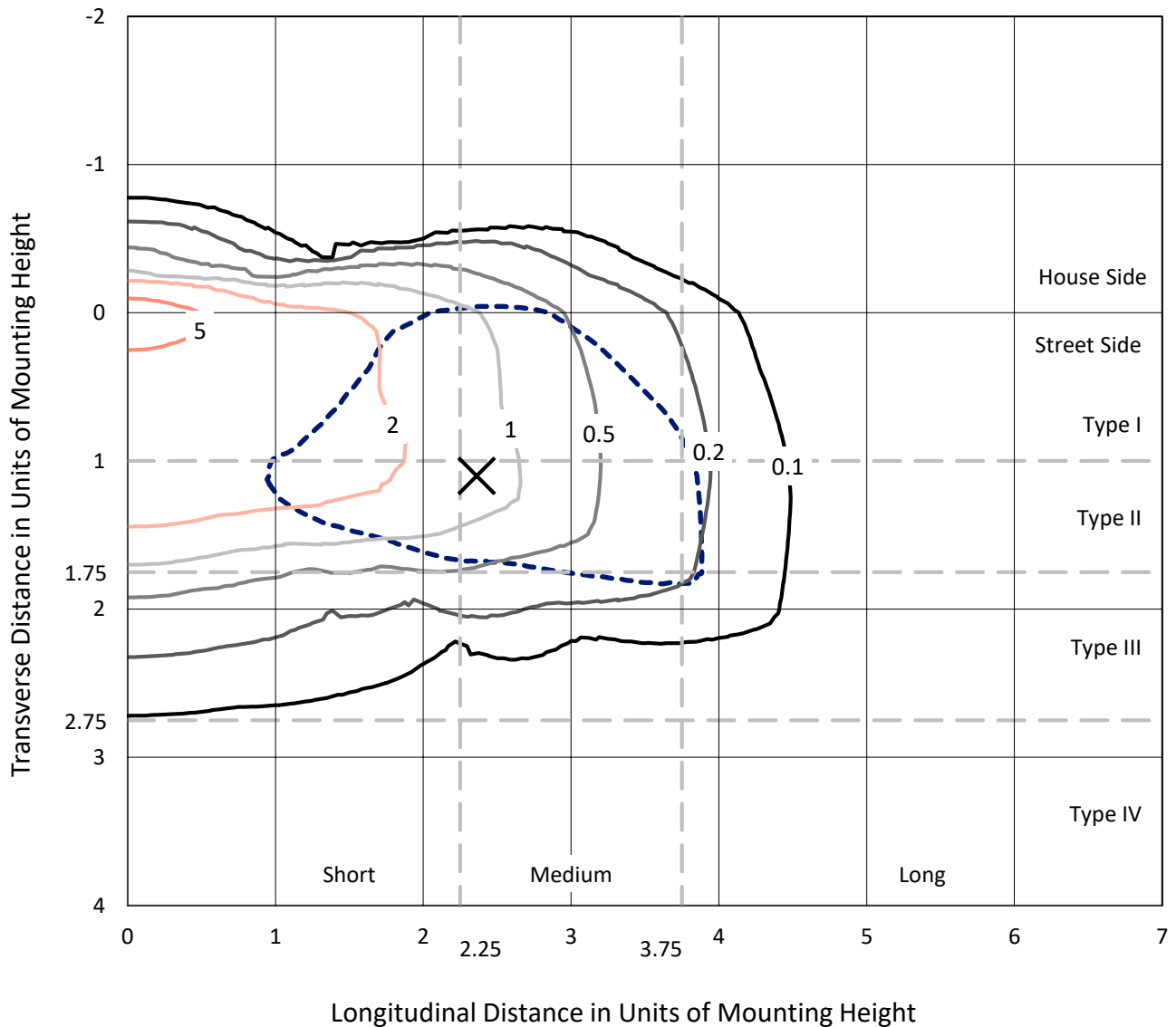
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323207
 CATALOG NUMBER: GAN-SA3C-740-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

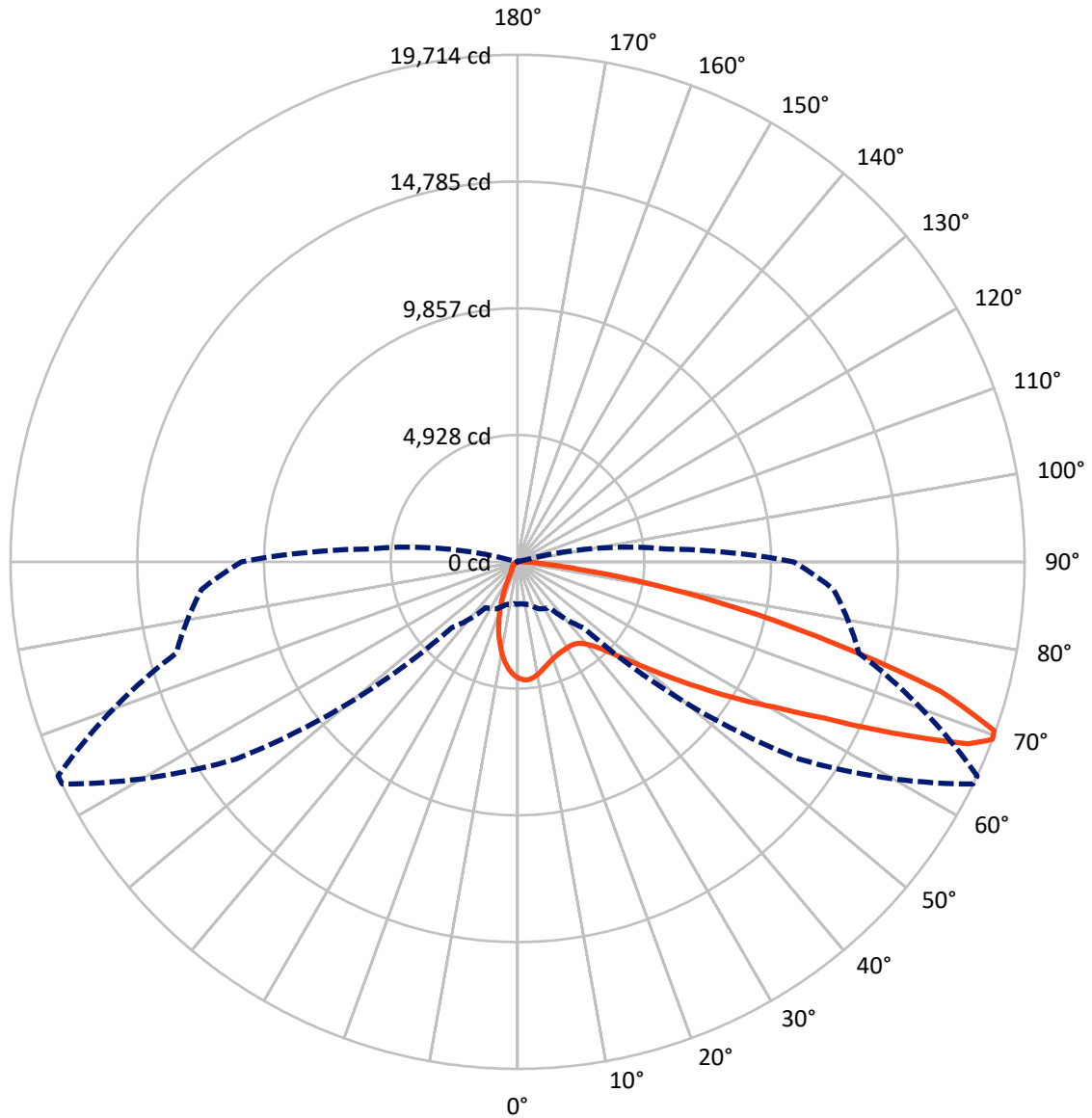
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P323207
CATALOG NUMBER: GAN-SA3C-740-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P323207
 CATALOG NUMBER: GAN-SA3C-740-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2108.2	0.0	2108.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	15776.8	0.0	15776.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	17885.0	0.0	17885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.9	2.1
10°-20°	827.3	4.6
20°-30°	1145.9	6.4
30°-40°	1597.7	8.9
40°-50°	2483.3	13.9
50°-60°	3986.7	22.3
60°-70°	4509.6	25.2
70°-80°	2648.5	14.8
80°-90°	308.1	1.7
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°	17885.0	100.0
0°-180°	17885.0	100.0

Coefficient of Utilization

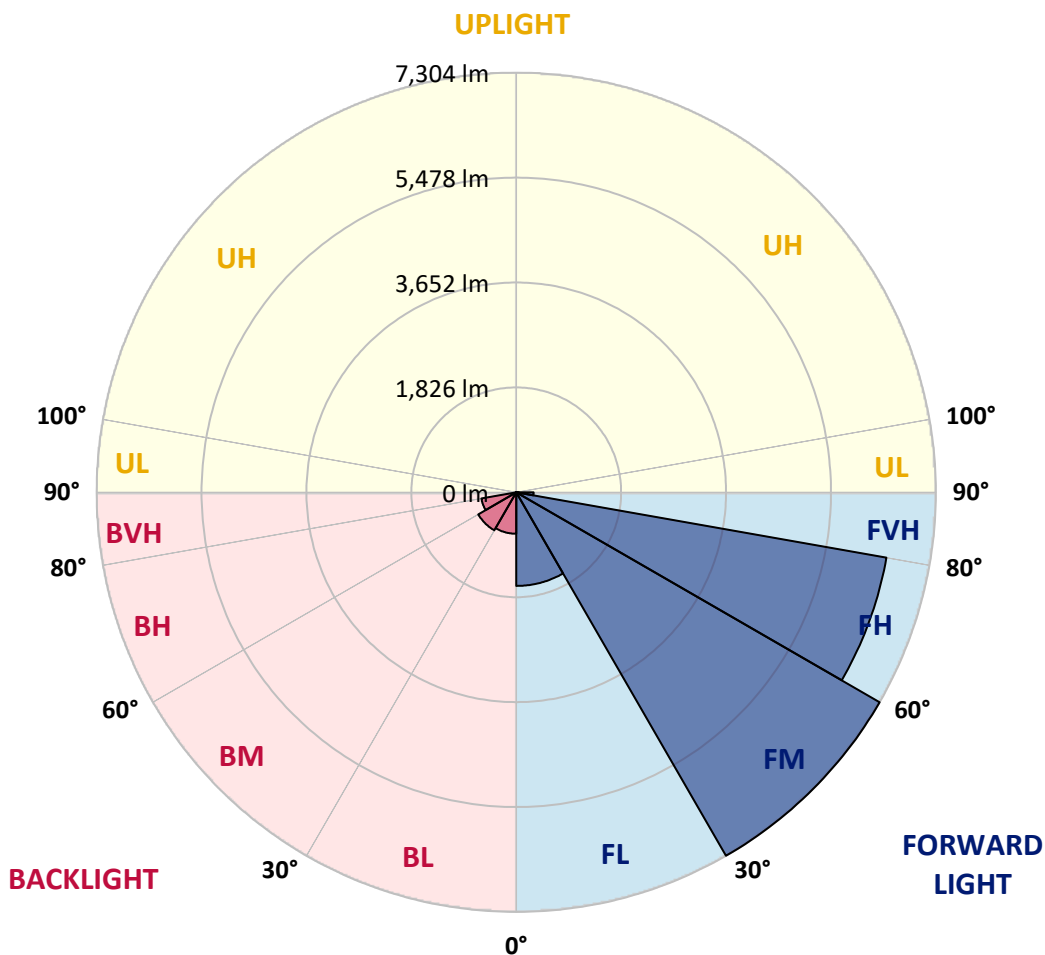


REPORT NUMBER: P323207
 CATALOG NUMBER: GAN-SA3C-740-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.7	9.1			
FM (30°-60°)	7303.7	40.8			
FH (60°-80°)	6542.2	36.6			G3/7500
FVH (80°-90°)	301.2	1.7			G3/500
BL (0°-30°)	721.3	4.0	B2/1000		
BM (30°-60°)	764.0	4.3	B1/1000		
BH (60°-80°)	616.0	3.4	B2/1000		G2/1000
BVH (80°-90°)	6.9	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: P323207

CATALOG NUMBER: GAN-SA3C-740-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6
2.5°	4559.7	4548.3	4557.4	4577.1	4586.9	4586.9	4594.5	4585.4	4588.4	4566.5	4534.7
5°	4274.4	4257.0	4281.9	4337.2	4405.3	4463.6	4549.8	4595.3	4599.8	4600.5	4563.5
7.5°	3967.1	3951.2	3988.3	4053.4	4141.2	4249.4	4400.0	4531.7	4539.2	4610.4	4583.1
10°	3717.4	3706.0	3749.2	3818.8	3921.7	4042.8	4227.4	4410.6	4432.5	4590.0	4580.1
12.5°	3519.1	3510.0	3550.9	3631.1	3736.3	3870.2	4063.2	4275.9	4305.4	4543.8	4565.0
15°	3374.5	3373.0	3407.1	3484.3	3600.8	3725.7	3923.2	4151.0	4185.1	4493.8	4562.7
17.5°	3298.9	3301.1	3326.1	3391.9	3491.8	3616.0	3805.2	4045.8	4082.9	4449.2	4574.1
20°	3291.3	3293.6	3307.2	3344.3	3425.2	3535.0	3709.0	3957.3	3995.9	4415.9	4592.2
22.5°	3357.9	3356.4	3360.2	3356.4	3401.8	3485.0	3645.5	3889.2	3933.8	4393.9	4606.6
25°	3485.8	3483.5	3482.0	3454.0	3423.7	3468.4	3619.0	3850.6	3892.9	4378.1	4614.9
27.5°	3663.6	3662.1	3659.9	3613.7	3522.9	3494.9	3622.0	3836.2	3871.8	4365.2	4613.4
30°	3897.5	3908.1	3905.1	3840.7	3699.2	3575.8	3653.8	3828.6	3859.6	4340.2	4597.5
32.5°	4172.2	4193.4	4210.0	4141.2	3964.1	3736.3	3727.2	3836.9	3859.6	4321.3	4568.8
35°	4457.5	4484.8	4546.1	4521.8	4288.7	3977.7	3853.6	3886.9	3905.8	4331.9	4555.1
37.5°	4738.3	4770.8	4904.0	4974.4	4714.1	4297.1	4050.4	4010.2	4020.1	4396.2	4570.3
40°	5064.5	5113.7	5315.7	5429.2	5221.9	4724.7	4344.8	4222.2	4225.9	4537.7	4640.7
42.5°	5492.8	5543.5	5762.2	5940.1	5794.0	5265.0	4744.3	4546.1	4542.3	4802.6	4806.4
45°	6015.0	6068.0	6294.3	6491.8	6425.9	5905.3	5255.9	5019.1	5014.5	5220.4	5120.5
47.5°	6606.8	6659.0	6861.1	7064.7	7135.8	6653.0	5907.5	5664.6	5654.0	5800.8	5605.6
50°	7114.6	7148.7	7334.8	7608.8	7929.7	7571.7	6718.1	6484.2	6472.9	6572.0	6317.7
52.5°	7299.3	7319.0	7508.1	7891.8	8692.5	8815.9	7782.9	7481.7	7473.3	7516.5	7266.0
55°	6925.4	6961.0	7193.3	7762.4	9105.7	10222.0	9126.9	8716.7	8653.9	8560.8	8257.4
57.5°	5906.8	5963.5	6213.3	6970.1	8912.8	11337.5	11102.2	10113.8	10021.5	9452.4	9063.4
60°	4425.7	4495.4	4702.7	5519.3	7882.8	11734.8	13260.5	11670.5	11462.4	10162.2	9804.3
62.5°	3037.0	3071.8	3212.6	3744.6	5805.4	11084.0	15066.2	13755.5	13375.6	10934.2	10605.7
65°	2319.6	2331.7	2389.2	2572.3	3457.0	9003.6	15784.4	16506.4	16047.0	11857.4	11437.4
67.5°	1869.3	1859.4	1938.9	2200.8	2315.0	5492.8	14946.7	19109.0	18894.1	13091.8	12274.4
69°	1648.3	1634.7	1715.7	2019.9	2174.3	3631.1	13361.9	19700.1	19713.7	13743.4	12332.0
70°	1483.3	1492.4	1572.6	1912.4	2126.6	2850.1	11848.4	19549.5	19657.0	13987.1	11986.9
72.5°	990.6	1014.9	1176.1	1587.8	2044.9	2156.9	7154.0	16775.8	17189.1	13438.4	10284.1
75°	558.5	576.7	768.1	1197.2	1926.8	2053.9	3778.7	12359.2	12758.8	11237.6	7930.4
77.5°	274.0	283.8	434.4	772.7	1611.2	1957.1	2143.2	8395.1	8851.5	7334.8	4485.5
80°	115.8	121.1	217.2	476.8	1151.8	1867.8	1591.5	5166.6	5223.4	2873.5	1195.0
82.5°	44.7	46.2	91.6	297.4	731.8	1456.1	1331.2	2449.7	2390.7	541.1	272.4
85°	5.3	6.1	33.3	178.6	407.2	749.2	1081.5	1055.7	977.0	107.5	140.0
87.5°	0.0	0.0	2.3	54.5	121.1	351.2	562.3	438.2	395.0	34.8	72.7
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: P323207
 CATALOG NUMBER: GAN-SA3C-740-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6	4519.6
2.5°	4508.2	4500.7	4459.8	4400.8	4344.8	4275.1	4208.5	4168.4	4136.6	4115.4	4140.4
5°	4520.3	4487.0	4362.9	4204.0	4048.1	3872.5	3709.0	3570.6	3516.1	3455.5	3482.8
7.5°	4516.5	4453.7	4230.5	3947.4	3661.4	3365.5	3085.4	2869.8	2757.8	2648.0	2676.0
10°	4497.6	4391.7	4053.4	3634.1	3205.8	2780.5	2383.1	2081.2	1912.4	1759.5	1781.5
12.5°	4456.0	4308.4	3844.5	3275.4	2702.5	2141.7	1676.3	1289.6	1082.2	990.6	1002.0
15°	4431.0	4227.4	3623.5	2912.1	2165.2	1491.6	1024.7	762.1	667.5	637.2	641.0
17.5°	4418.9	4149.5	3395.0	2496.7	1615.8	949.8	662.2	584.2	563.8	558.5	560.0
20°	4406.8	4070.8	3159.6	2085.7	1113.2	638.7	544.1	521.4	513.9	507.1	508.6
22.5°	4386.4	3995.1	2906.8	1669.5	750.7	518.4	490.4	468.5	452.6	444.2	445.8
25°	4361.4	3915.6	2648.8	1243.4	547.9	462.4	435.9	404.9	386.0	370.8	371.6
27.5°	4321.3	3818.0	2382.4	905.1	460.1	414.0	378.4	344.3	312.6	295.1	295.1
30°	4265.3	3707.5	2086.5	647.8	412.5	366.3	323.2	280.8	246.7	230.8	229.3
32.5°	4203.2	3592.5	1787.5	491.2	374.6	321.6	272.4	227.8	197.5	184.7	183.9
35°	4150.3	3468.4	1489.4	411.7	336.8	278.5	224.8	186.9	162.7	152.1	151.4
37.5°	4116.2	3344.3	1198.8	367.8	302.7	238.4	188.4	154.4	137.0	128.7	127.9
40°	4110.9	3251.9	933.1	334.5	270.9	202.8	157.4	130.9	115.0	106.0	105.2
42.5°	4179.8	3199.0	715.9	306.5	238.4	171.8	134.0	112.0	95.4	86.3	85.5
45°	4360.6	3215.6	550.9	281.5	205.8	145.3	113.5	93.1	77.9	71.1	69.6
47.5°	4690.6	3330.6	438.2	256.6	174.8	123.4	96.9	77.2	64.3	57.5	56.8
50°	5277.9	3600.8	366.3	229.3	146.1	105.2	80.2	62.8	52.2	46.2	45.4
52.5°	6057.4	4082.1	326.9	202.8	121.1	89.3	65.8	49.9	40.9	36.3	35.6
55°	6917.1	4664.9	301.2	174.1	99.1	74.2	52.2	39.4	31.8	28.0	26.5
57.5°	7756.4	5169.7	277.0	146.1	82.5	60.5	41.6	31.0	25.0	21.2	20.4
60°	8527.5	5633.6	249.0	117.3	67.4	47.7	32.5	24.2	19.7	15.9	15.9
62.5°	9353.2	5992.3	210.4	91.6	55.2	36.3	26.5	21.9	15.9	13.6	12.9
65°	10228.1	6258.7	165.0	71.1	43.1	27.2	21.9	22.7	12.9	9.8	9.1
67.5°	10874.4	6205.7	121.8	56.0	33.3	21.2	21.2	24.2	11.4	7.6	6.8
69°	10732.1	5775.1	102.2	48.4	28.8	18.2	19.7	24.2	10.6	6.8	6.1
70°	10319.6	5298.3	90.1	43.1	25.7	16.6	18.9	23.5	9.8	6.8	6.1
72.5°	8594.1	3990.6	70.4	32.5	20.4	13.6	15.9	20.4	9.8	6.8	5.3
75°	6464.5	2554.2	53.7	23.5	15.1	10.6	12.1	15.1	9.8	6.1	5.3
77.5°	3517.6	921.0	38.6	15.9	10.6	8.3	8.3	11.4	9.1	4.5	3.0
80°	904.4	231.6	24.2	10.6	8.3	6.1	5.3	7.6	5.3	0.8	0.0
82.5°	223.3	52.2	12.9	7.6	6.1	2.3	2.3	3.8	2.3	0.0	0.0
85°	122.6	25.7	8.3	5.3	3.0	0.0	0.0	0.8	0.0	0.0	0.0
87.5°	62.8	7.6	2.3	1.5	0.8	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)