

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: P323160

Luminaire Tested: **GAN-SA6B-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323160
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-SA6B-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 25783 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

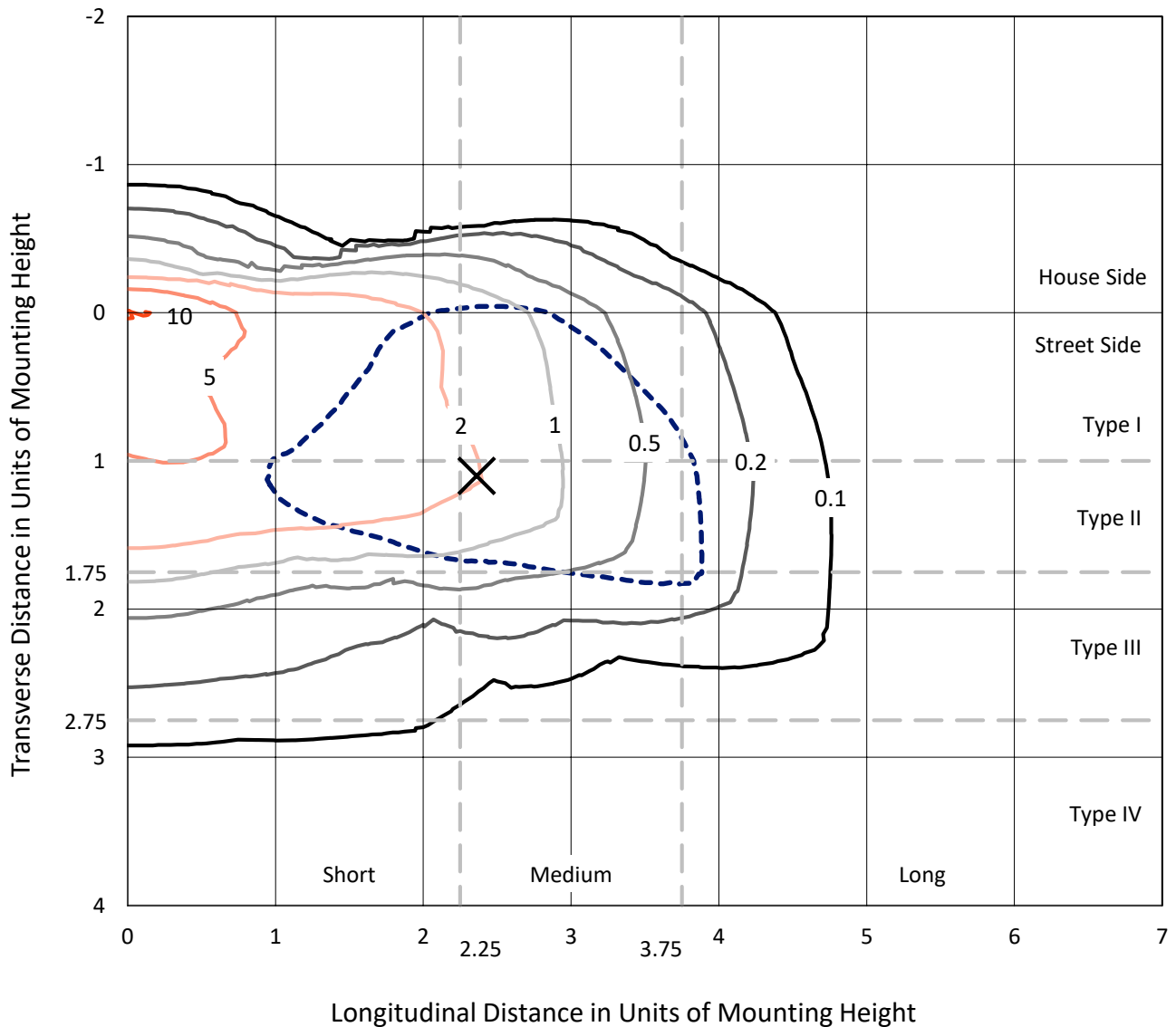
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323160
 CATALOG NUMBER: GAN-SA6B-730-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

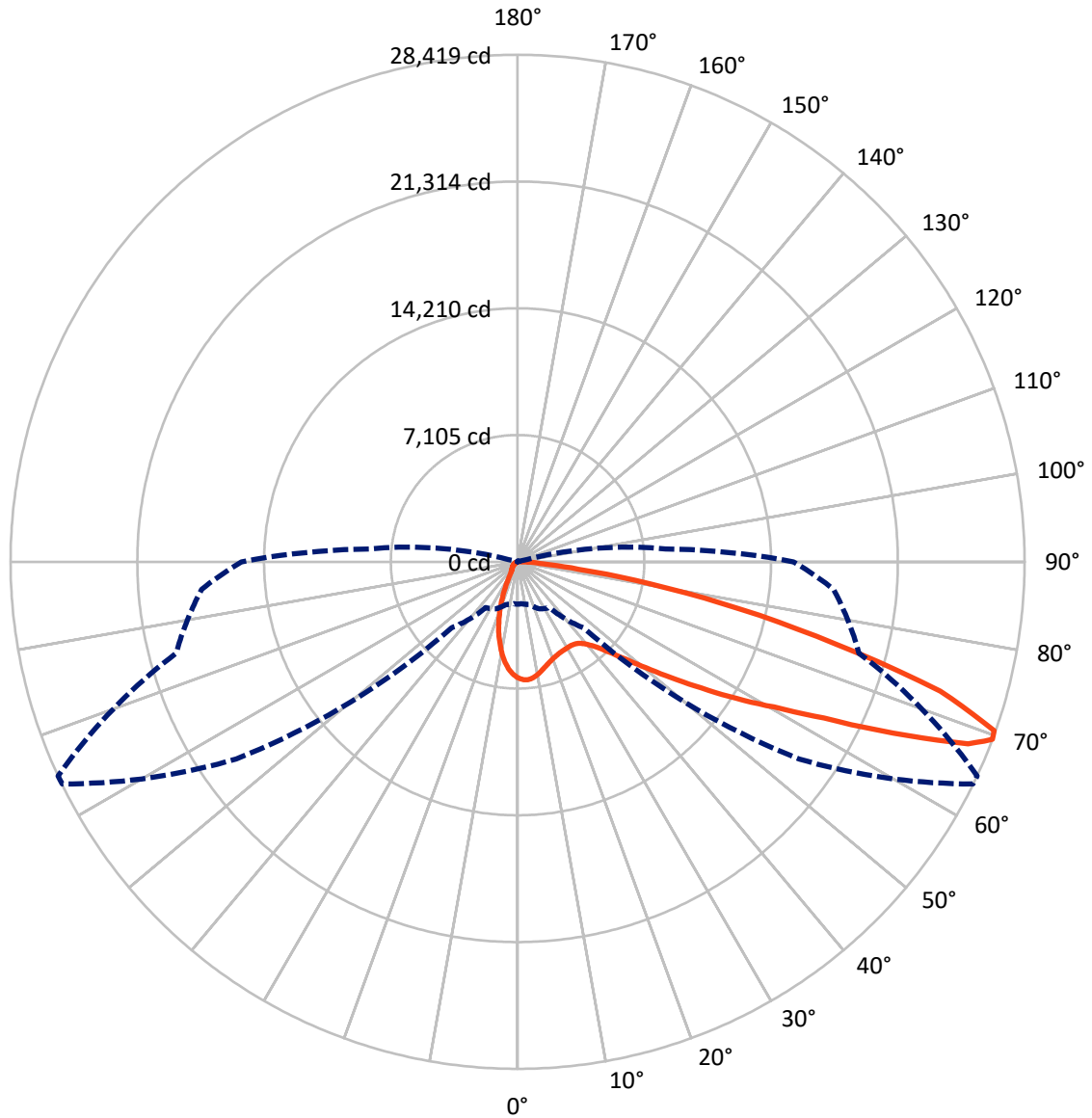
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P323160
CATALOG NUMBER: GAN-SA6B-730-U-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P323160
 CATALOG NUMBER: GAN-SA6B-730-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3039.2	0.0	3039.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	22743.8	0.0	22743.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	25783.0	0.0	25783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.8	2.1
10°-20°	1192.6	4.6
20°-30°	1651.9	6.4
30°-40°	2303.2	8.9
40°-50°	3579.9	13.9
50°-60°	5747.2	22.3
60°-70°	6501.0	25.2
70°-80°	3818.1	14.8
80°-90°	444.2	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°	25783.0	100.0
0°-180°	25783.0	100.0

Coefficient of Utilization

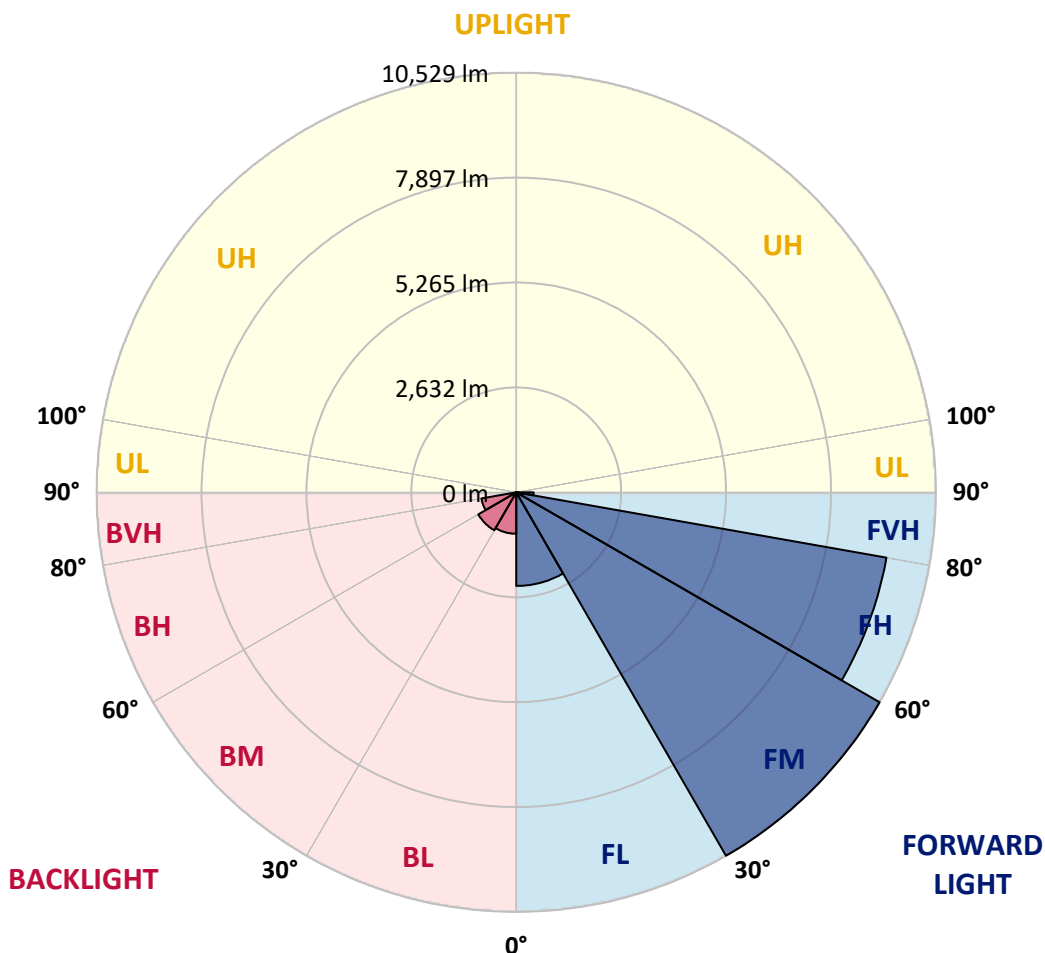


REPORT NUMBER: P323160
 CATALOG NUMBER: GAN-SA6B-730-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2349.4	9.1			
FM (30°-60°)	10529.0	40.8			
FH (60°-80°)	9431.2	36.6			G4/12000
FVH (80°-90°)	434.2	1.7			G3/500
BL (0°-30°)	1039.9	4.0	B3/2500		
BM (30°-60°)	1101.3	4.3	B2/2500		
BH (60°-80°)	888.0	3.4	B2/1000		G2/1000
BVH (80°-90°)	10.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P323160

CATALOG NUMBER: GAN-SA6B-730-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4
2.5°	6573.2	6556.9	6570.0	6598.3	6612.5	6612.5	6623.4	6610.3	6614.7	6583.1	6537.2
5°	6161.9	6136.8	6172.8	6252.5	6350.7	6434.7	6559.0	6624.5	6631.1	6632.1	6578.7
7.5°	5719.0	5696.1	5749.5	5843.4	5969.9	6125.9	6343.0	6532.9	6543.8	6646.3	6607.1
10°	5359.0	5342.6	5404.8	5505.1	5653.5	5828.1	6094.3	6358.3	6389.9	6616.9	6602.7
12.5°	5073.1	5060.0	5118.9	5234.6	5386.2	5579.3	5857.5	6164.1	6206.7	6550.3	6580.9
15°	4864.7	4862.6	4911.6	5022.9	5190.9	5371.0	5655.7	5984.1	6033.2	6478.3	6577.6
17.5°	4755.6	4758.9	4794.9	4889.8	5033.8	5212.8	5485.5	5832.4	5885.9	6413.9	6594.0
20°	4744.7	4748.0	4767.6	4821.1	4937.8	5096.0	5347.0	5704.8	5760.4	6365.9	6620.1
22.5°	4840.7	4838.6	4844.0	4838.6	4904.0	5024.0	5255.3	5606.6	5671.0	6334.3	6640.9
25°	5025.1	5021.8	5019.7	4979.3	4935.7	5000.0	5217.1	5551.0	5612.1	6311.4	6652.9
27.5°	5281.5	5279.3	5276.0	5209.5	5078.6	5038.2	5221.5	5530.2	5581.5	6292.8	6650.7
30°	5618.6	5633.9	5629.5	5536.8	5332.8	5154.9	5267.3	5519.3	5564.1	6256.8	6627.8
32.5°	6014.6	6045.2	6069.2	5969.9	5714.6	5386.2	5373.1	5531.3	5564.1	6229.6	6586.3
35°	6425.9	6465.2	6553.6	6518.7	6182.7	5734.3	5555.3	5603.3	5630.6	6244.8	6566.7
37.5°	6830.7	6877.6	7069.6	7171.1	6795.8	6194.7	5839.0	5781.2	5795.4	6337.6	6588.5
40°	7300.9	7371.8	7663.1	7826.8	7527.9	6811.1	6263.4	6086.6	6092.1	6541.6	6690.0
42.5°	7918.4	7991.5	8306.8	8563.2	8352.6	7590.0	6839.4	6553.6	6548.1	6923.4	6928.9
45°	8671.2	8747.6	9073.8	9358.5	9263.6	8513.0	7576.9	7235.5	7228.9	7525.7	7381.7
47.5°	9524.4	9599.6	9890.9	10184.4	10287.0	9590.9	8516.3	8166.1	8150.8	8362.5	8081.0
50°	10256.4	10305.5	10573.9	10968.8	11431.4	10915.4	9684.7	9347.6	9331.3	9474.2	9107.6
52.5°	10522.6	10551.0	10823.7	11376.9	12531.1	12709.0	11219.8	10785.6	10773.6	10835.7	10474.6
55°	9983.7	10035.0	10369.9	11190.3	13126.8	14736.0	13157.4	12566.1	12475.5	12341.3	11903.8
57.5°	8515.2	8597.0	8957.1	10048.0	12848.6	16344.2	16004.9	14580.0	14446.9	13626.5	13065.7
60°	6380.1	6480.5	6779.4	7956.6	11363.8	16916.9	19116.4	16824.2	16524.2	14649.9	14133.8
62.5°	4378.2	4428.3	4631.3	5398.2	8369.0	15978.7	21719.5	19829.9	19282.2	15762.7	15289.2
65°	3343.9	3361.3	3444.3	3708.3	4983.7	12979.5	22754.8	23795.6	23133.4	17093.7	16488.2
67.5°	2694.8	2680.6	2795.1	3172.6	3337.3	7918.4	21547.1	27547.6	27237.7	18873.1	17694.8
69°	2376.2	2356.5	2473.3	2911.9	3134.4	5234.6	19262.6	28399.6	28419.3	19812.4	17777.7
70°	2138.3	2151.4	2267.1	2756.9	3065.7	4108.7	17080.6	28182.5	28337.4	20163.7	17280.2
72.5°	1428.1	1463.0	1695.4	2288.9	2947.9	3109.3	10313.2	24184.0	24779.7	19372.8	14825.5
75°	805.2	831.3	1107.4	1726.0	2777.7	2961.0	5447.3	17817.0	18393.0	16200.2	11432.5
77.5°	394.9	409.1	626.2	1113.9	2322.7	2821.3	3089.7	12102.4	12760.3	10573.9	6466.3
80°	166.9	174.6	313.1	687.3	1660.5	2692.6	2294.4	7448.2	7530.0	4142.5	1722.7
82.5°	64.4	66.6	132.0	428.8	1055.0	2099.1	1919.1	3531.5	3446.4	780.1	392.8
85°	7.6	8.7	48.0	257.5	587.0	1080.1	1559.0	1521.9	1408.5	154.9	201.8
87.5°	0.0	0.0	3.3	78.6	174.6	506.2	810.6	631.7	569.5	50.2	104.7
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: P323160
 CATALOG NUMBER: GAN-SA6B-730-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4	6515.4
2.5°	6499.0	6488.1	6429.2	6344.1	6263.4	6163.0	6067.0	6009.2	5963.4	5932.8	5968.8
5°	6516.5	6468.5	6289.6	6060.5	5835.7	5582.6	5347.0	5147.3	5068.8	4981.5	5020.7
7.5°	6511.0	6420.5	6098.7	5690.6	5278.2	4851.6	4448.0	4137.0	3975.6	3817.4	3857.8
10°	6483.8	6331.0	5843.4	5238.9	4621.4	4008.3	3435.5	3000.2	2756.9	2536.6	2568.2
12.5°	6423.8	6211.0	5542.2	4721.8	3895.9	3087.5	2416.5	1859.1	1560.1	1428.1	1444.5
15°	6387.8	6094.3	5223.7	4198.1	3121.3	2150.3	1477.2	1098.6	962.3	918.6	924.1
17.5°	6370.3	5981.9	4894.2	3599.2	2329.3	1369.2	954.6	842.2	812.8	805.2	807.3
20°	6352.9	5868.5	4554.9	3006.8	1604.9	920.8	784.4	751.7	740.8	731.0	733.1
22.5°	6323.4	5759.4	4190.5	2406.7	1082.3	747.3	707.0	675.3	652.4	640.4	642.6
25°	6287.4	5644.8	3818.5	1792.5	789.9	666.6	628.4	583.7	556.4	534.6	535.7
27.5°	6229.6	5504.1	3434.4	1304.8	663.3	596.8	545.5	496.4	450.6	425.5	425.5
30°	6148.8	5344.8	3007.9	933.9	594.6	528.0	465.9	404.8	355.7	332.8	330.6
32.5°	6059.4	5178.9	2576.9	708.1	540.0	463.7	392.8	328.4	284.7	266.2	265.1
35°	5983.0	5000.0	2147.1	593.5	485.5	401.5	324.0	269.5	234.6	219.3	218.2
37.5°	5933.9	4821.1	1728.1	530.2	436.4	343.7	271.7	222.6	197.5	185.5	184.4
40°	5926.3	4688.0	1345.2	482.2	390.6	292.4	226.9	188.7	165.8	152.7	151.6
42.5°	6025.6	4611.6	1032.1	441.9	343.7	247.7	193.1	161.5	137.5	124.4	123.3
45°	6286.3	4635.6	794.2	405.8	296.8	209.5	163.6	134.2	112.4	102.6	100.4
47.5°	6762.0	4801.5	631.7	369.8	252.0	177.8	139.6	111.3	92.7	82.9	81.8
50°	7608.6	5190.9	528.0	330.6	210.6	151.6	115.6	90.6	75.3	66.6	65.5
52.5°	8732.3	5884.8	471.3	292.4	174.6	128.7	94.9	72.0	58.9	52.4	51.3
55°	9971.7	6724.9	434.2	250.9	142.9	106.9	75.3	56.7	45.8	40.4	38.2
57.5°	11181.6	7452.6	399.3	210.6	118.9	87.3	60.0	44.7	36.0	30.5	29.5
60°	12293.3	8121.4	358.9	169.1	97.1	68.7	46.9	34.9	28.4	22.9	22.9
62.5°	13483.6	8638.5	303.3	132.0	79.6	52.4	38.2	31.6	22.9	19.6	18.5
65°	14744.8	9022.5	237.8	102.6	62.2	39.3	31.6	32.7	18.5	14.2	13.1
67.5°	15676.5	8946.1	175.6	80.7	48.0	30.5	30.5	34.9	16.4	10.9	9.8
69°	15471.4	8325.4	147.3	69.8	41.5	26.2	28.4	34.9	15.3	9.8	8.7
70°	14876.8	7638.0	129.8	62.2	37.1	24.0	27.3	33.8	14.2	9.8	8.7
72.5°	12389.3	5752.8	101.5	46.9	29.5	19.6	22.9	29.5	14.2	9.8	7.6
75°	9319.3	3682.1	77.5	33.8	21.8	15.3	17.5	21.8	14.2	8.7	7.6
77.5°	5070.9	1327.7	55.6	22.9	15.3	12.0	12.0	16.4	13.1	6.5	4.4
80°	1303.7	333.8	34.9	15.3	12.0	8.7	7.6	10.9	7.6	1.1	0.0
82.5°	321.8	75.3	18.5	10.9	8.7	3.3	3.3	5.5	3.3	0.0	0.0
85°	176.7	37.1	12.0	7.6	4.4	0.0	0.0	1.1	0.0	0.0	0.0
87.5°	90.6	10.9	3.3	2.2	1.1	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)