

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: P324890

Luminaire Tested: **GAN-SA6C-760-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34630 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

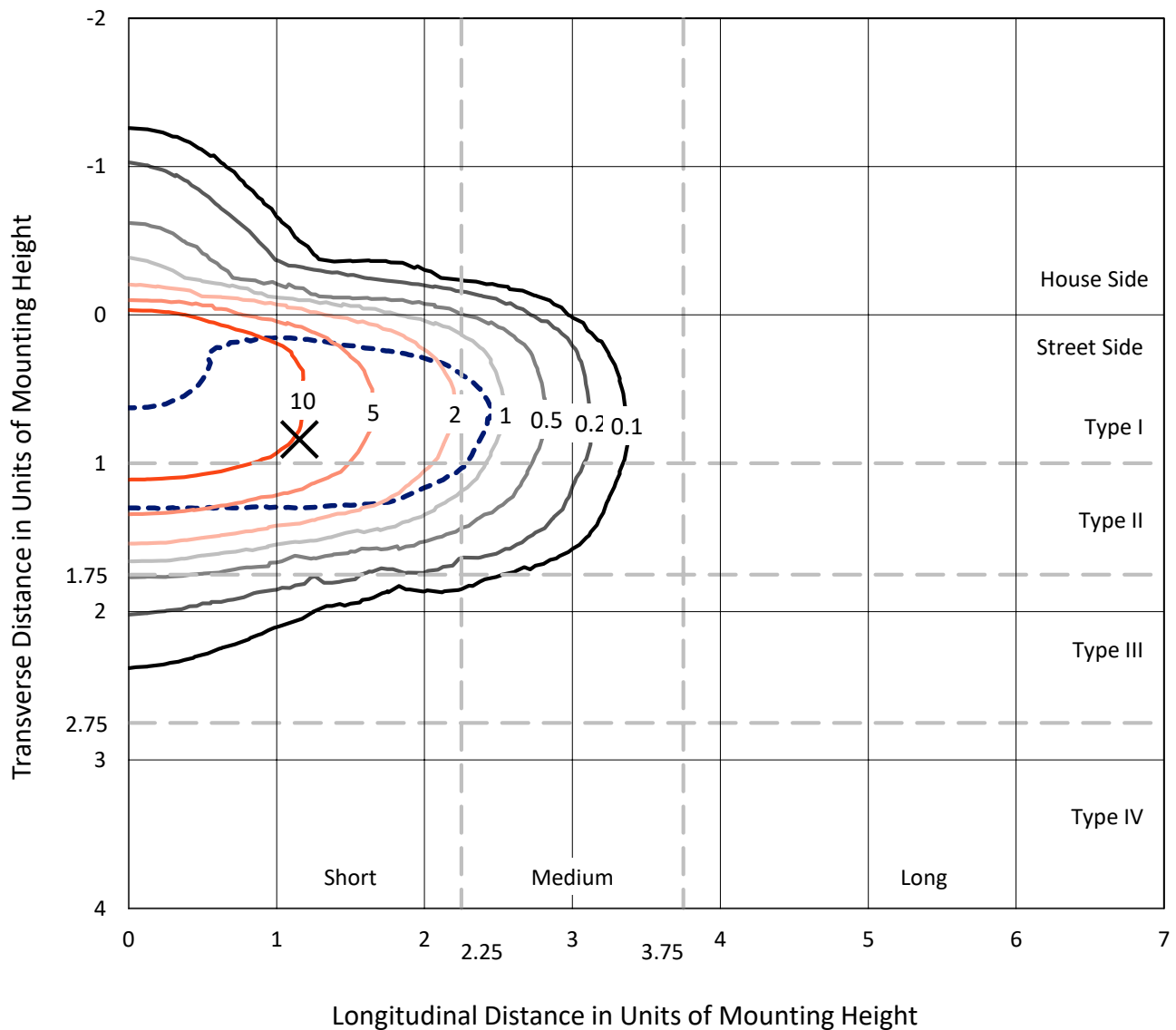
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324890
 CATALOG NUMBER: GAN-SA6C-760-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

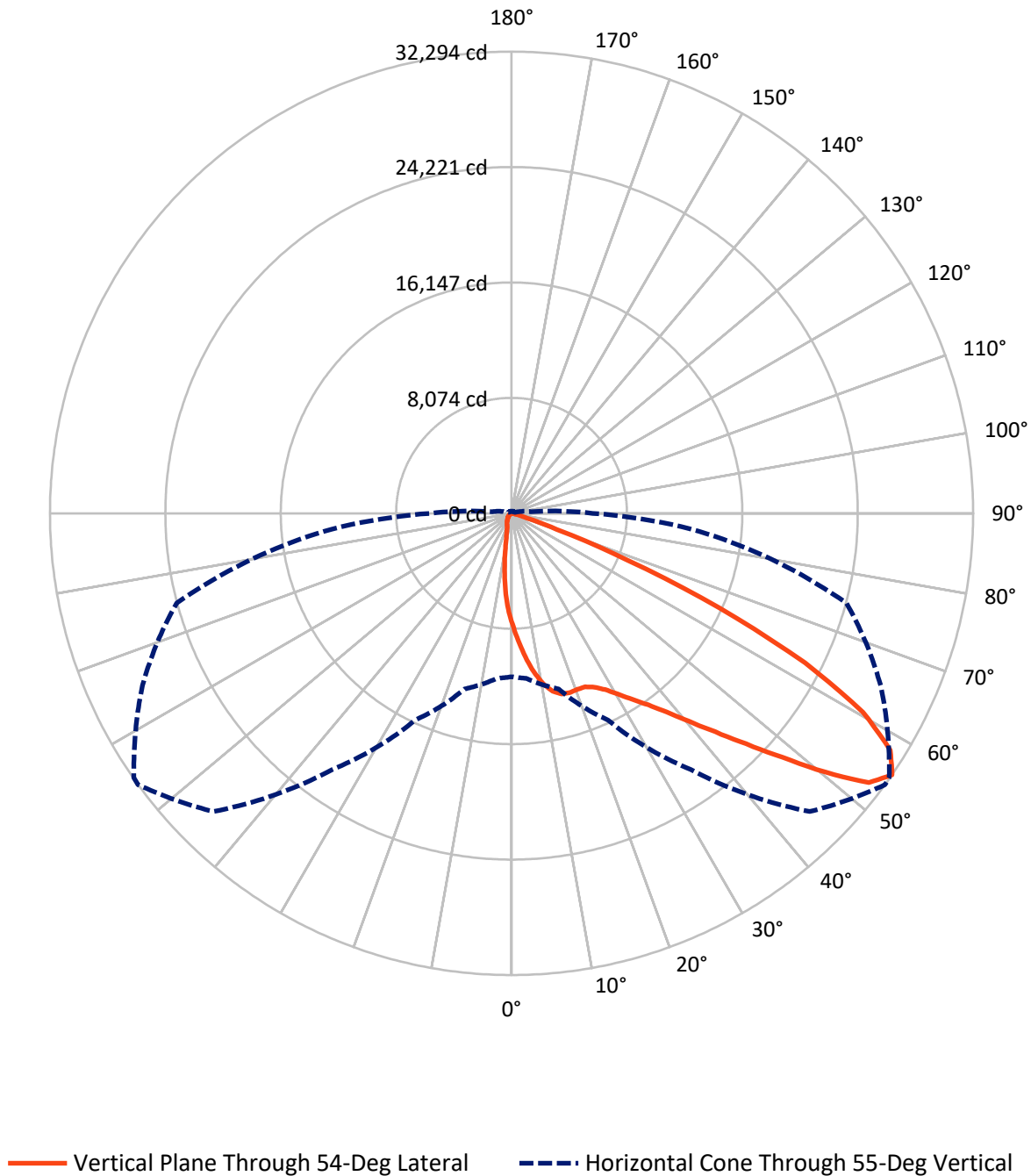
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc
 Type II - Short - N/A

REPORT NUMBER: P324890
CATALOG NUMBER: GAN-SA6C-760-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324890

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1727.8	0.0	1727.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	32902.2	0.0	32902.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	34630.0	0.0	34630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.2	2.1
10°-20°	1958.8	5.7
20°-30°	3344.2	9.7
30°-40°	5366.9	15.5
40°-50°	8576.4	24.8
50°-60°	9189.8	26.5
60°-70°	4718.3	13.6
70°-80°	714.7	2.1
80°-90°	46.5	0.1
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°	34630.0	100.0
0°-180°	34630.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324890

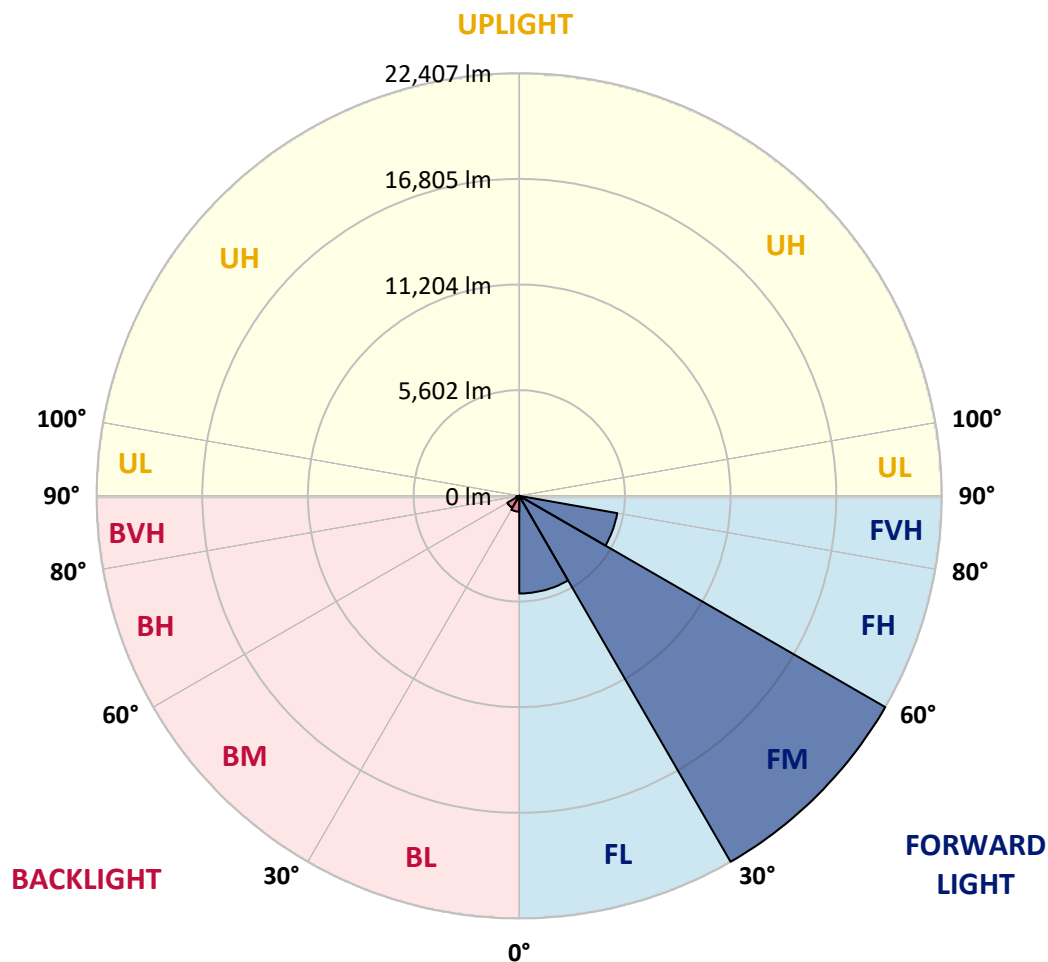
CATALOG NUMBER: GAN-SA6C-760-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5176.6	14.9			
FM	(30°-60°)	22407.1	64.7			
FH	(60°-80°)	5273.8	15.2			G3/7500
FVH	(80°-90°)	44.7	0.1			G1/100
BL	(0°-30°)	840.6	2.4	B2/1000		
BM	(30°-60°)	726.1	2.1	B1/1000		
BH	(60°-80°)	159.2	0.5	B1/500		G1/500
BVH	(80°-90°)	1.9	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 II Short





REPORT NUMBER: P324890

CATALOG NUMBER: GAN-SA6C-760-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7
2.5°	9732.8	9587.7	9592.2	9526.4	9285.6	9097.2	8901.3	8854.9	8549.8	8229.8	7921.7
5°	11415.3	11309.1	11283.6	11156.5	10821.5	10467.1	10087.2	9999.0	9402.3	8747.3	8102.7
7.5°	12279.7	12281.2	12260.2	12213.9	12004.5	11660.5	11196.9	11104.2	10292.1	9309.6	8291.1
10°	12028.4	12085.2	12201.9	12355.9	12515.9	12472.6	12124.1	12040.4	11158.0	9904.8	8500.5
12.5°	11442.2	11449.6	11579.8	11832.5	12293.1	12765.7	12771.7	12743.3	11985.0	10526.9	8730.8
15°	11150.5	11179.0	11226.8	11389.8	11826.5	12583.2	13124.6	13165.0	12743.3	11187.9	8976.1
17.5°	11342.0	11382.3	11342.0	11361.4	11614.2	12294.6	13185.9	13289.1	13405.8	11841.5	9207.9
20°	11860.9	11898.3	11826.5	11747.3	11796.6	12210.9	13142.6	13281.7	13924.7	12421.7	9402.3
22.5°	12560.8	12575.8	12466.6	12336.5	12300.6	12495.0	13178.5	13322.0	14340.5	12946.7	9524.9
25°	13331.0	13344.5	13208.4	13058.8	12973.6	13052.8	13473.1	13580.8	14706.9	13447.7	9595.2
27.5°	14170.0	14181.9	14011.5	13827.5	13728.8	13731.8	13959.1	14074.3	15097.2	14018.9	9652.0
30°	15056.8	15050.8	14893.8	14638.1	14512.5	14509.5	14659.0	14775.7	15662.5	14751.7	9729.8
32.5°	16052.8	16040.9	15818.0	15501.0	15358.9	15379.9	15513.0	15580.3	16363.9	15532.4	9868.9
35°	17364.4	17330.0	16993.5	16600.2	16338.5	16331.0	16443.2	16497.0	17258.2	16477.6	10100.7
37.5°	19066.3	19034.9	18578.8	18007.5	17639.6	17502.0	17635.1	17703.9	18533.9	17690.4	10473.1
40°	20744.3	20712.9	20442.2	19918.7	19351.9	19021.4	19126.1	19199.4	20126.6	19162.0	10942.7
42.5°	21901.8	21928.7	22022.9	22066.3	21535.4	20841.5	20889.3	20965.6	21800.1	20735.3	11479.6
45°	22206.9	22265.2	22797.6	23843.0	24041.9	23500.5	22999.5	23041.4	23500.5	22308.6	12016.4
47.5°	21290.1	21397.8	22425.2	24369.4	26053.3	26436.2	25488.0	25432.7	25132.1	23581.2	12397.8
50°	19206.9	19305.6	20636.6	23512.5	26663.5	29238.8	28470.1	28307.1	26563.3	24342.5	12532.4
52.5°	16191.9	16311.6	17392.8	20814.5	25513.5	30489.0	31293.6	31157.5	27613.2	24402.3	12554.8
55°	11434.7	11579.8	12723.8	15952.6	21868.9	29494.5	32294.1	32253.7	28485.0	24243.8	12602.7
57.5°	6426.2	6530.9	7764.7	10226.3	16016.9	25689.9	31248.7	31516.4	29011.5	23968.6	12674.5
60°	2853.4	2881.9	3520.4	5090.7	9376.9	19633.1	28256.2	28707.9	28559.8	23600.7	12795.6
62.5°	1582.3	1558.3	1558.3	2116.2	4075.3	12154.0	23041.4	23787.6	26632.1	23165.5	12801.6
65°	1239.8	1217.3	1153.0	1162.0	1552.3	5394.3	15955.6	17282.1	22971.1	21889.8	12370.9
67.5°	1051.3	1031.9	967.6	942.2	964.6	1779.7	8766.7	10144.1	17430.2	18574.3	10715.4
70°	888.3	874.9	842.0	810.6	753.7	879.4	3354.4	4290.6	10740.8	12355.9	7314.6
72.5°	714.9	708.9	720.8	693.9	625.1	586.2	1147.1	1389.3	4824.5	5514.0	3013.5
75°	616.2	613.2	619.1	592.2	514.5	408.3	583.3	637.1	1360.9	1349.0	610.2
77.5°	400.8	405.3	513.0	501.0	442.7	272.2	302.1	326.0	412.8	309.6	185.4
80°	255.7	252.7	260.2	415.8	397.8	207.9	151.0	158.5	198.9	152.5	89.7
82.5°	155.5	152.5	170.5	194.4	200.4	145.1	92.7	94.2	124.1	98.7	47.9
85°	13.5	17.9	103.2	95.7	68.8	44.9	44.9	47.9	65.8	58.3	26.9
87.5°	0.0	0.0	17.9	26.9	15.0	16.5	16.5	17.9	25.4	25.4	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



REPORT NUMBER: P324890

CATALOG NUMBER: GAN-SA6C-760-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7	7755.7
2.5°	7761.7	7606.2	7292.1	6990.0	6734.3	6487.5	6206.4	5928.2	5798.1	5745.8	5691.9
5°	7775.2	7455.1	6807.6	6155.5	5479.6	4870.9	4351.9	3819.5	3553.3	3436.7	3382.9
7.5°	7793.1	7305.6	6258.7	5164.0	4075.3	3249.7	2528.9	2065.3	1864.9	1833.5	1755.7
10°	7796.1	7124.6	5621.6	4069.3	2732.3	1959.1	1507.5	1268.2	1180.0	1165.0	1139.6
12.5°	7802.1	6910.8	4914.3	3013.5	1821.5	1310.1	1090.2	1011.0	987.0	985.5	985.5
15°	7820.0	6686.4	4180.0	2171.5	1308.6	1037.9	957.1	925.7	916.7	921.2	919.7
17.5°	7820.0	6421.7	3459.1	1618.1	1057.3	933.2	888.3	867.4	864.4	868.9	870.4
20°	7763.2	6100.2	2798.1	1259.2	937.7	865.9	825.5	806.1	798.6	801.6	803.1
22.5°	7627.1	5705.4	2259.7	1042.4	858.4	804.6	761.2	731.3	719.3	720.8	720.8
25°	7414.8	5237.3	1767.7	901.8	794.1	738.8	687.9	653.5	646.1	644.6	647.6
27.5°	7142.6	4719.8	1407.3	794.1	717.8	665.5	614.7	586.2	580.3	581.8	583.3
30°	6874.9	4182.9	1109.7	702.9	632.6	583.3	544.4	530.9	530.9	535.4	536.9
32.5°	6629.6	3667.0	877.9	623.6	556.3	511.5	489.0	487.5	495.0	498.0	499.5
35°	6418.7	3189.9	726.8	562.3	496.5	457.6	450.1	456.1	465.1	471.1	472.6
37.5°	6269.2	2763.7	635.6	511.5	450.1	418.7	417.2	429.2	441.2	454.6	457.6
40°	6206.4	2403.3	572.8	466.6	412.8	388.8	384.3	400.8	423.2	442.7	445.7
42.5°	6154.0	2108.7	518.9	423.2	382.9	348.5	347.0	367.9	394.8	414.3	418.7
45°	6109.2	1872.4	469.6	376.9	344.0	299.1	303.6	330.5	351.4	372.4	376.9
47.5°	6016.4	1678.0	415.8	327.5	284.1	255.7	264.7	288.6	305.1	336.5	341.0
50°	5850.4	1519.4	360.4	267.7	231.8	221.3	234.8	251.2	272.2	299.1	302.1
52.5°	5738.3	1399.8	312.6	224.3	191.4	194.4	207.9	213.9	225.8	236.3	233.3
55°	5674.0	1334.0	273.7	194.4	163.0	172.0	175.0	167.5	161.5	151.0	146.6
57.5°	5666.5	1274.2	243.8	169.0	143.6	148.1	137.6	112.2	91.2	79.3	76.3
60°	5654.5	1200.9	219.8	142.1	127.1	121.1	98.7	61.3	43.4	40.4	40.4
62.5°	5524.4	1087.2	201.9	119.6	107.7	91.2	56.8	28.4	23.9	25.4	25.4
65°	5110.2	928.7	183.9	97.2	85.2	65.8	28.4	16.5	9.0	10.5	10.5
67.5°	4344.5	740.3	164.5	74.8	64.3	41.9	16.5	7.5	0.0	0.0	0.0
70°	2908.8	459.1	139.1	52.3	41.9	25.4	12.0	1.5	0.0	0.0	0.0
72.5°	1115.7	248.3	112.2	31.4	26.9	17.9	7.5	0.0	0.0	0.0	0.0
75°	251.2	163.0	77.8	22.4	19.4	12.0	3.0	0.0	0.0	0.0	0.0
77.5°	95.7	118.1	44.9	15.0	13.5	7.5	0.0	0.0	0.0	0.0	0.0
80°	46.4	70.3	20.9	9.0	7.5	3.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.9	26.9	9.0	4.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.5	13.5	4.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	4.5	1.5	1.5	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)