

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: P324790

Luminaire Tested: **GAN-SA6A-740-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324790
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-SA6A-740-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA 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: 22818 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

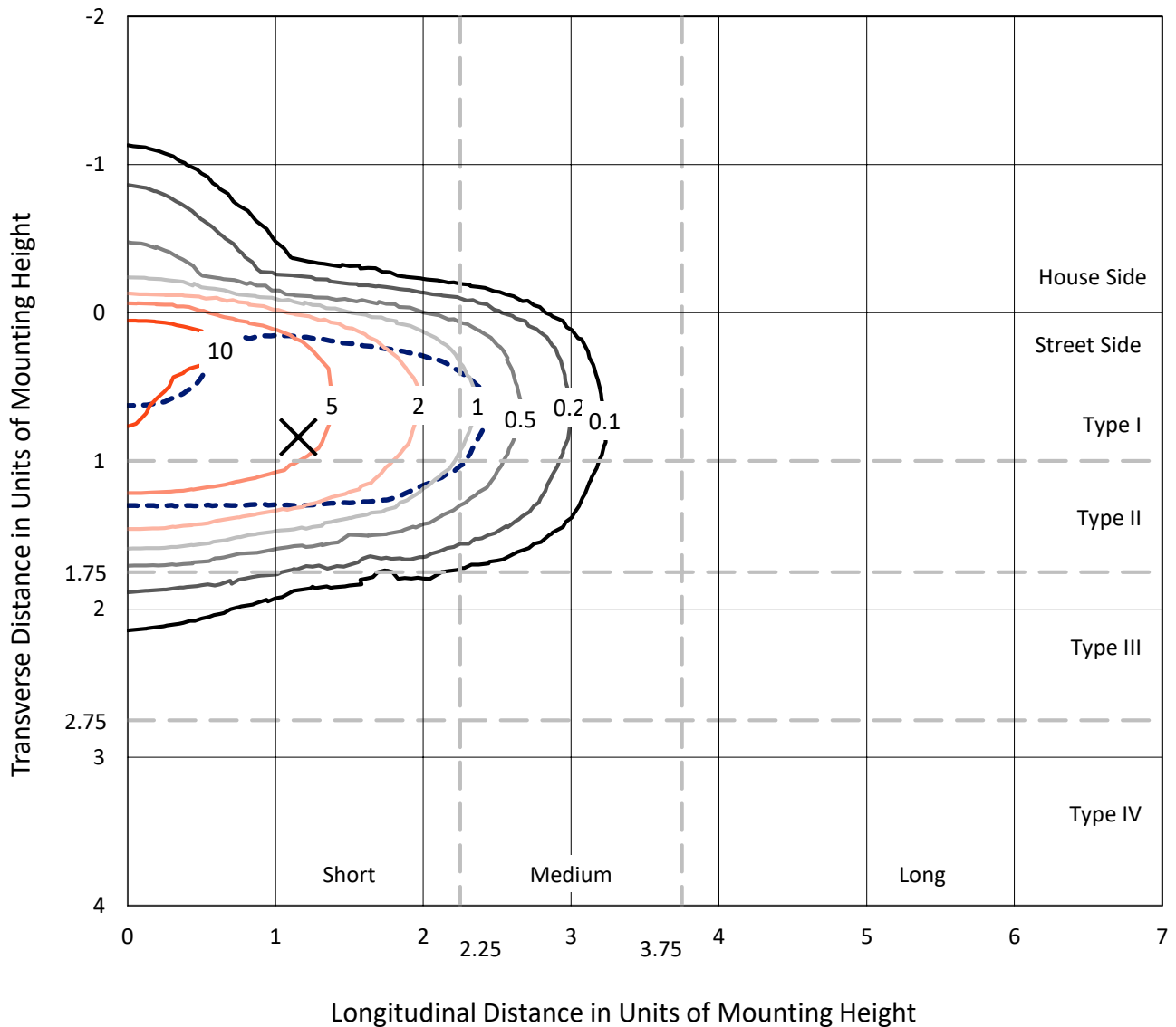
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324790
 CATALOG NUMBER: GAN-SA6A-740-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

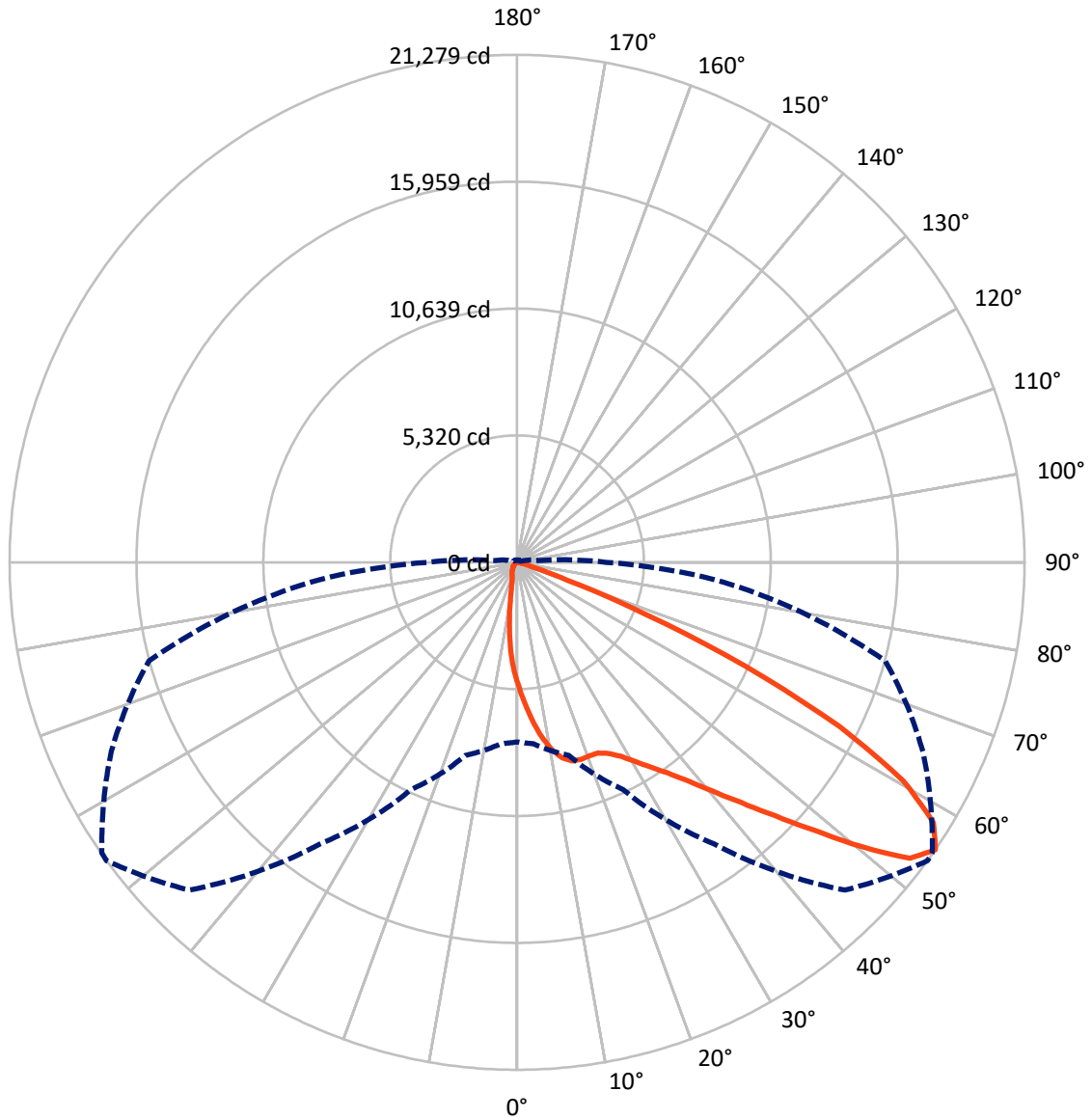
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

REPORT NUMBER: P324790
CATALOG NUMBER: GAN-SA6A-740-U-AFL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P324790
 CATALOG NUMBER: GAN-SA6A-740-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.4	0.0	1138.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	21679.6	0.0	21679.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	22818.0	0.0	22818.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.6	2.1
10°-20°	1290.6	5.7
20°-30°	2203.6	9.7
30°-40°	3536.3	15.5
40°-50°	5651.1	24.8
50°-60°	6055.3	26.5
60°-70°	3109.0	13.6
70°-80°	470.9	2.1
80°-90°	30.7	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°	22818.0	100.0
0°-180°	22818.0	100.0

Coefficient of Utilization



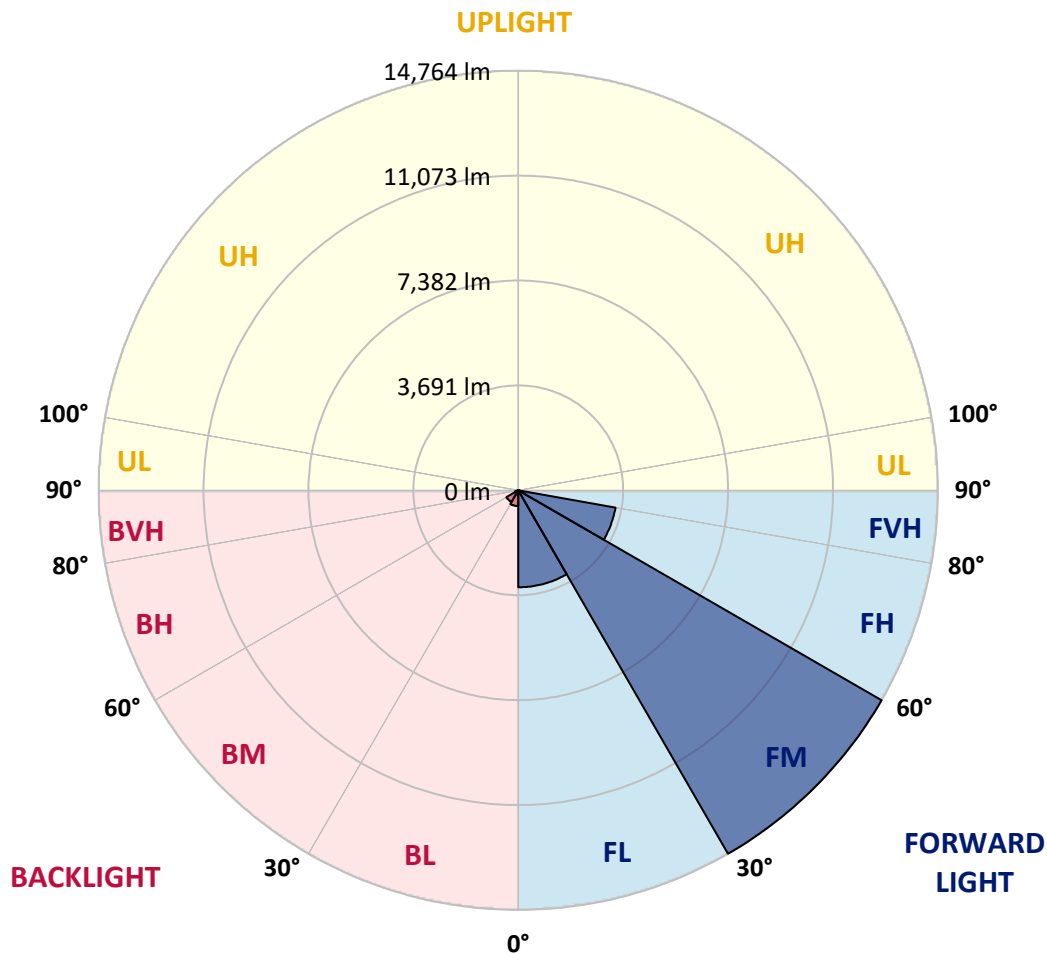
REPORT NUMBER: P324790
 CATALOG NUMBER: GAN-SAGA-740-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3410.9	14.9			
FM (30°-60°)	14764.3	64.7			
FH (60°-80°)	3475.0	15.2			G2/5000
FVH (80°-90°)	29.4	0.1			G1/100
BL (0°-30°)	553.9	2.4	B2/1000		
BM (30°-60°)	478.4	2.1	B1/1000		
BH (60°-80°)	104.9	0.5	B0/110		G0/110
BVH (80°-90°)	1.2	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-G2

Type II Short





REPORT NUMBER: P324790

CATALOG NUMBER: GAN-SA6A-740-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3
2.5°	6413.0	6317.4	6320.4	6277.0	6118.4	5994.2	5865.1	5834.6	5633.6	5422.7	5219.7
5°	7521.6	7451.6	7434.9	7351.1	7130.4	6896.9	6646.6	6588.4	6195.2	5763.6	5338.9
7.5°	8091.2	8092.2	8078.4	8047.8	7909.9	7683.2	7377.7	7316.6	6781.6	6134.2	5463.1
10°	7925.6	7963.1	8039.9	8141.4	8246.9	8218.3	7988.7	7933.5	7352.1	6526.3	5601.0
12.5°	7539.3	7544.3	7630.0	7796.5	8100.0	8411.4	8415.4	8396.6	7897.0	6936.3	5752.8
15°	7347.2	7365.9	7397.4	7504.9	7792.6	8291.2	8647.9	8674.5	8396.6	7371.8	5914.4
17.5°	7473.3	7499.9	7473.3	7486.1	7652.7	8101.0	8688.3	8756.3	8833.2	7802.4	6067.1
20°	7815.3	7839.9	7792.6	7740.4	7772.9	8045.8	8659.7	8751.4	9175.1	8184.8	6195.2
22.5°	8276.4	8286.3	8214.3	8128.6	8105.0	8233.1	8683.4	8778.0	9449.1	8530.7	6276.1
25°	8783.9	8792.8	8703.1	8604.6	8548.4	8600.6	8877.5	8948.5	9690.5	8860.8	6322.4
27.5°	9336.7	9344.6	9232.3	9111.1	9046.0	9048.0	9197.8	9273.7	9947.7	9237.2	6359.8
30°	9921.1	9917.1	9813.7	9645.2	9562.4	9560.4	9659.0	9735.8	10320.2	9720.0	6411.1
32.5°	10577.3	10569.5	10422.6	10213.7	10120.1	10133.9	10221.6	10266.0	10782.3	10234.4	6502.7
35°	11441.6	11418.9	11197.2	10938.0	10765.6	10760.6	10834.5	10870.0	11371.6	10857.2	6655.4
37.5°	12562.9	12542.2	12241.7	11865.3	11622.9	11532.2	11619.9	11665.2	12212.1	11656.4	6900.8
40°	13668.6	13647.9	13469.5	13124.6	12751.2	12533.4	12602.4	12650.6	13261.6	12626.0	7210.2
42.5°	14431.3	14449.0	14511.1	14539.7	14189.8	13732.6	13764.2	13814.4	14364.3	13662.7	7564.0
45°	14632.3	14670.7	15021.5	15710.3	15841.4	15484.7	15154.6	15182.2	15484.7	14699.3	7917.7
47.5°	14028.2	14099.2	14776.2	16057.2	17166.8	17419.0	16794.3	16757.8	16559.8	15537.9	8169.0
50°	12655.6	12720.6	13597.6	15492.6	17568.8	19265.7	18759.2	18651.8	17502.8	16039.5	8257.7
52.5°	10669.0	10747.8	11460.3	13714.9	16811.0	20089.5	20619.6	20530.0	18194.5	16078.9	8272.5
55°	7534.4	7630.0	8383.8	10511.3	14409.6	19434.2	21278.9	21252.3	18769.0	15974.4	8304.0
57.5°	4234.3	4303.3	5116.2	6738.2	10553.7	16927.3	20590.1	20766.4	19115.9	15793.1	8351.3
60°	1880.2	1898.9	2319.6	3354.3	6178.5	12936.4	18618.3	18915.9	18818.3	15550.7	8431.1
62.5°	1042.6	1026.8	1026.8	1394.3	2685.2	8008.4	15182.2	15673.9	17548.1	15263.9	8435.1
65°	816.9	802.1	759.7	765.7	1022.9	3554.4	10513.3	11387.4	15135.8	14423.4	8151.3
67.5°	692.7	679.9	637.6	620.8	635.6	1172.6	5776.5	6684.0	11484.9	12238.7	7060.4
70°	585.3	576.5	554.8	534.1	496.6	579.4	2210.3	2827.1	7077.2	8141.4	4819.6
72.5°	471.0	467.1	475.0	457.2	411.9	386.3	755.8	915.4	3178.9	3633.2	1985.6
75°	406.0	404.0	408.0	390.2	339.0	269.0	384.3	419.8	896.7	888.8	402.0
77.5°	264.1	267.0	338.0	330.1	291.7	179.3	199.1	214.8	272.0	204.0	122.2
80°	168.5	166.5	171.5	273.9	262.1	137.0	99.5	104.5	131.1	100.5	59.1
82.5°	102.5	100.5	112.3	128.1	132.0	95.6	61.1	62.1	81.8	65.0	31.5
85°	8.9	11.8	68.0	63.1	45.3	29.6	29.6	31.5	43.4	38.4	17.7
87.5°	0.0	0.0	11.8	17.7	9.9	10.8	10.8	11.8	16.8	16.8	8.9
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: P324790
 CATALOG NUMBER: GAN-SA6A-740-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3	5110.3
2.5°	5114.3	5011.8	4804.8	4605.8	4437.3	4274.7	4089.4	3906.1	3820.4	3785.9	3750.5
5°	5123.1	4912.2	4485.6	4055.9	3610.5	3209.5	2867.5	2516.7	2341.3	2264.5	2229.0
7.5°	5135.0	4813.7	4123.9	3402.6	2685.2	2141.3	1666.3	1360.8	1228.8	1208.1	1156.9
10°	5136.9	4694.5	3704.1	2681.3	1800.3	1290.9	993.3	835.6	777.5	767.6	750.9
12.5°	5140.9	4553.6	3238.0	1985.6	1200.2	863.2	718.4	666.1	650.4	649.4	649.4
15°	5152.7	4405.8	2754.2	1430.8	862.2	683.9	630.7	610.0	604.1	607.0	606.0
17.5°	5152.7	4231.3	2279.2	1066.2	696.7	614.9	585.3	571.5	569.6	572.5	573.5
20°	5115.2	4019.5	1843.7	829.7	617.8	570.6	543.9	531.1	526.2	528.2	529.2
22.5°	5025.6	3759.3	1488.9	686.8	565.6	530.1	501.6	481.9	474.0	475.0	475.0
25°	4885.6	3450.9	1164.8	594.2	523.3	486.8	453.3	430.6	425.7	424.7	426.7
27.5°	4706.3	3109.9	927.3	523.3	473.0	438.5	405.0	386.3	382.3	383.3	384.3
30°	4529.9	2756.2	731.2	463.1	416.8	384.3	358.7	349.8	349.8	352.8	353.8
32.5°	4368.3	2416.2	578.4	410.9	366.6	337.0	322.2	321.2	326.2	328.1	329.1
35°	4229.4	2101.9	478.9	370.5	327.2	301.5	296.6	300.5	306.5	310.4	311.4
37.5°	4130.8	1821.0	418.8	337.0	296.6	275.9	274.9	282.8	290.7	299.6	301.5
40°	4089.4	1583.5	377.4	307.4	272.0	256.2	253.2	264.1	278.9	291.7	293.7
42.5°	4054.9	1389.4	341.9	278.9	252.3	229.6	228.6	242.4	260.1	273.0	275.9
45°	4025.4	1233.7	309.4	248.3	226.6	197.1	200.0	217.8	231.6	245.4	248.3
47.5°	3964.3	1105.6	273.9	215.8	187.2	168.5	174.4	190.2	201.0	221.7	224.7
50°	3854.9	1001.2	237.5	176.4	152.7	145.8	154.7	165.5	179.3	197.1	199.1
52.5°	3781.0	922.3	205.9	147.8	126.1	128.1	137.0	140.9	148.8	155.7	153.7
55°	3738.6	879.0	180.3	128.1	107.4	113.3	115.3	110.4	106.4	99.5	96.6
57.5°	3733.7	839.6	160.6	111.4	94.6	97.6	90.7	73.9	60.1	52.2	50.3
60°	3725.8	791.3	144.9	93.6	83.8	79.8	65.0	40.4	28.6	26.6	26.6
62.5°	3640.1	716.4	133.0	78.8	70.9	60.1	37.4	18.7	15.8	16.8	16.8
65°	3367.1	611.9	121.2	64.1	56.2	43.4	18.7	10.8	5.9	6.9	6.9
67.5°	2862.6	487.8	108.4	49.3	42.4	27.6	10.8	4.9	0.0	0.0	0.0
70°	1916.6	302.5	91.6	34.5	27.6	16.8	7.9	1.0	0.0	0.0	0.0
72.5°	735.1	163.6	73.9	20.7	17.7	11.8	4.9	0.0	0.0	0.0	0.0
75°	165.5	107.4	51.2	14.8	12.8	7.9	2.0	0.0	0.0	0.0	0.0
77.5°	63.1	77.8	29.6	9.9	8.9	4.9	0.0	0.0	0.0	0.0	0.0
80°	30.5	46.3	13.8	5.9	4.9	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.8	17.7	5.9	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.9	8.9	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	3.0	1.0	1.0	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)