

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: P323170

Luminaire Tested: **GAN-SA6C-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323170
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-SA6C-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 31911 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

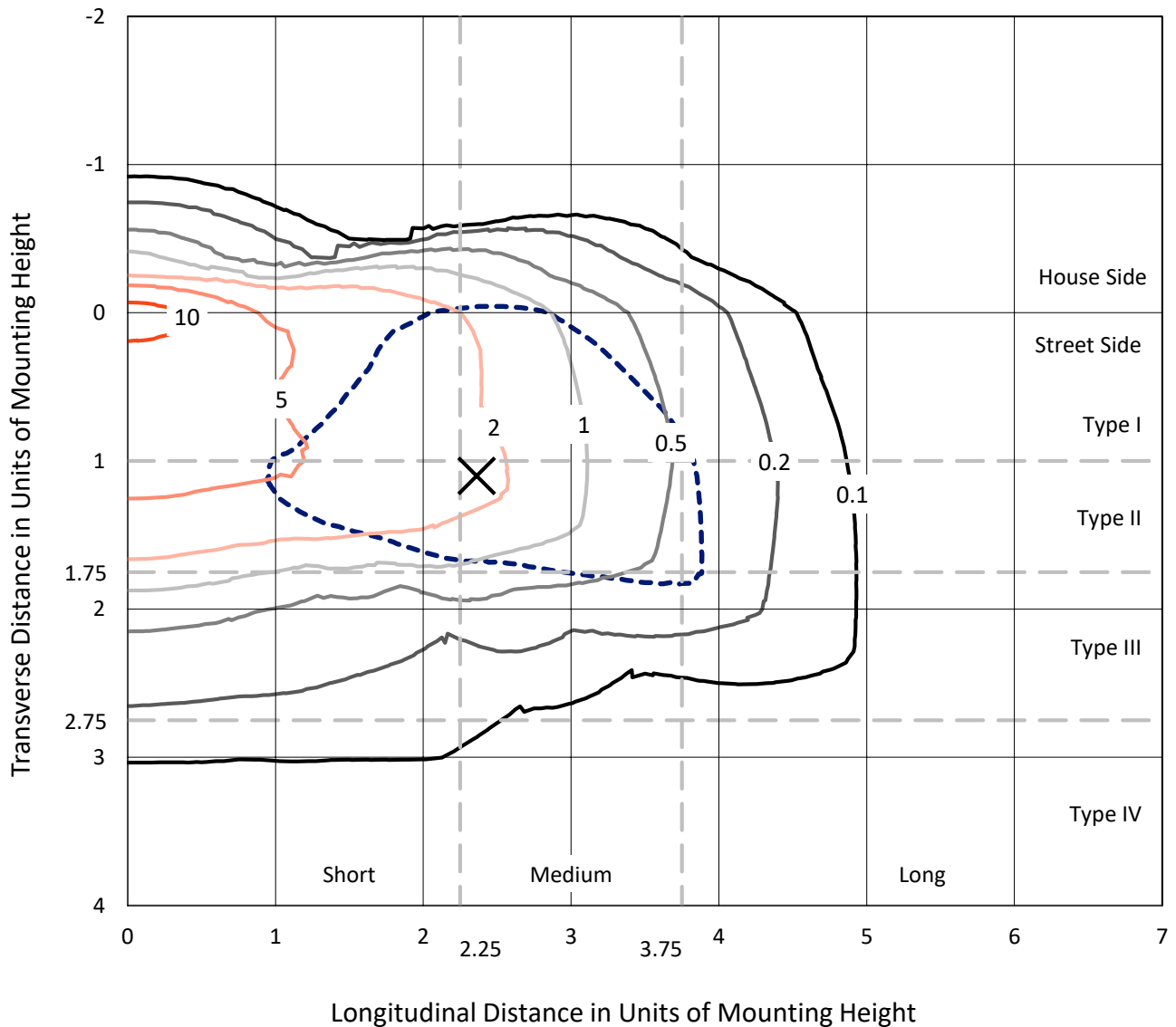
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

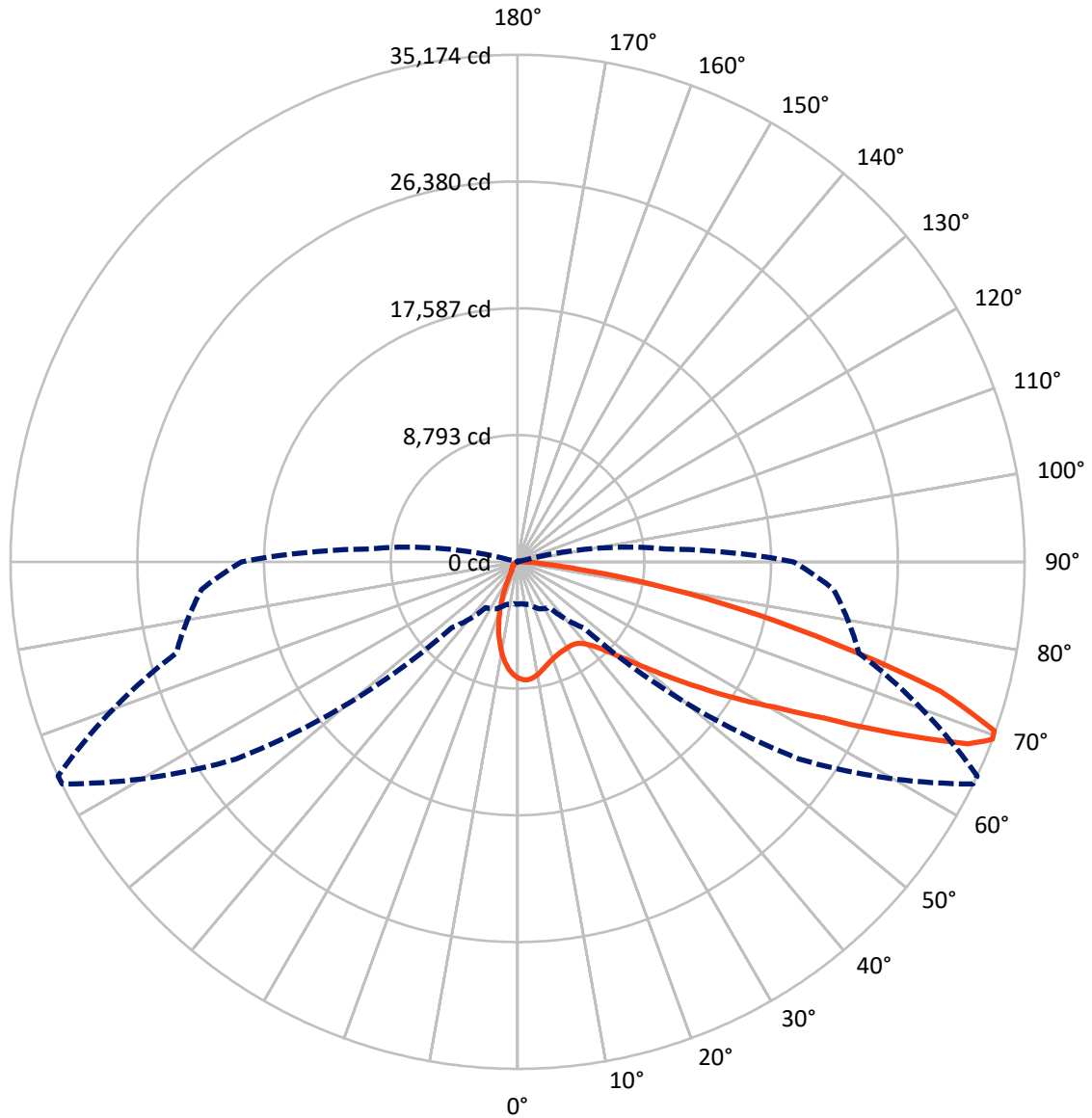
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3761.6	0.0	3761.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	28149.5	0.0	28149.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	31911.0	0.0	31911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.3	2.1
10°-20°	1476.1	4.6
20°-30°	2044.5	6.4
30°-40°	2850.6	8.9
40°-50°	4430.8	13.9
50°-60°	7113.2	22.3
60°-70°	8046.2	25.2
70°-80°	4725.6	14.8
80°-90°	549.7	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°	31911.0	100.0
0°-180°	31911.0	100.0

Coefficient of Utilization

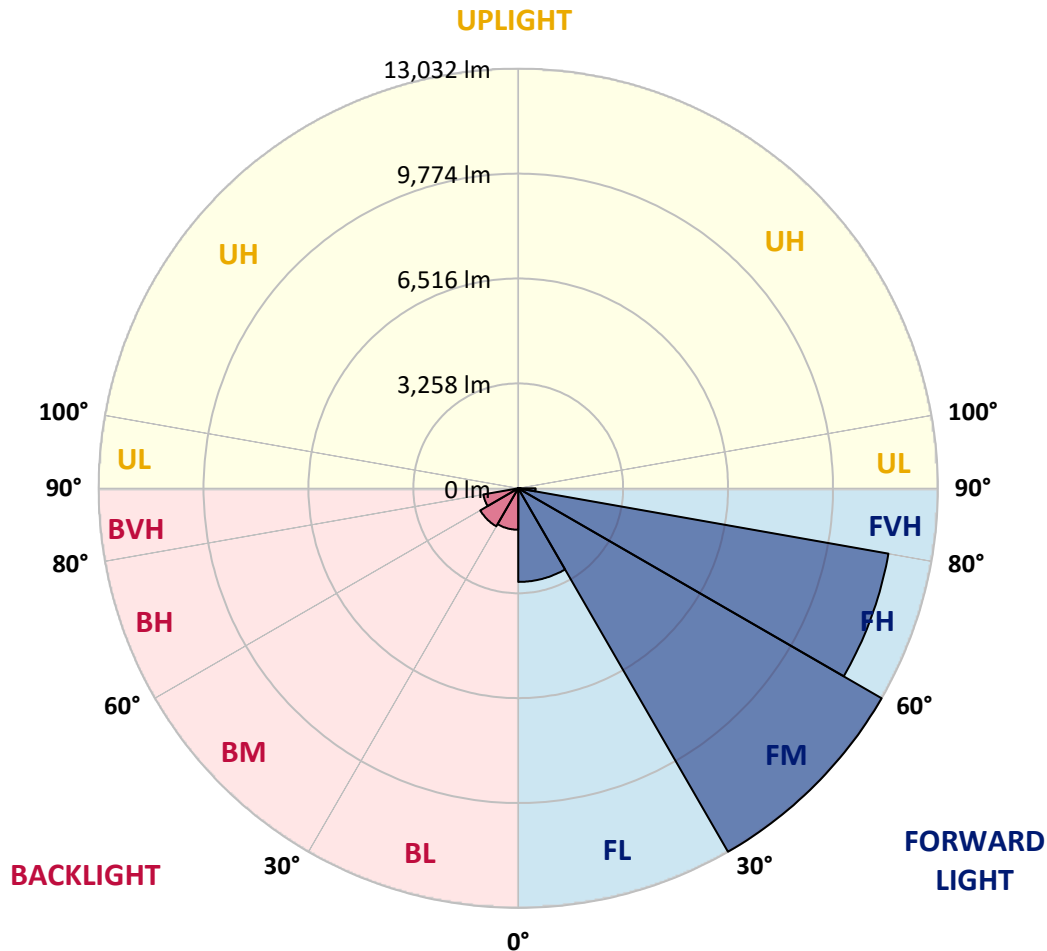


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2907.8	9.1			
FM (30°-60°)	13031.5	40.8			
FH (60°-80°)	11672.7	36.6			G4/12000
FVH (80°-90°)	537.3	1.7			G4/750
BL (0°-30°)	1287.0	4.0	B3/2500		
BM (30°-60°)	1363.1	4.3	B2/2500		
BH (60°-80°)	1099.1	3.4	B3/2500		G3/2500
BVH (80°-90°)	12.4	0.0			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0
2.5°	8135.5	8115.3	8131.5	8166.6	8184.1	8184.1	8197.6	8181.4	8186.8	8147.7	8091.0
5°	7626.5	7595.4	7640.0	7738.5	7860.1	7964.0	8118.0	8199.0	8207.1	8208.4	8142.3
7.5°	7078.2	7049.9	7116.1	7232.2	7388.8	7581.9	7850.6	8085.6	8099.1	8226.0	8177.4
10°	6632.7	6612.4	6689.4	6813.6	6997.2	7213.3	7542.8	7869.5	7908.7	8189.5	8172.0
12.5°	6278.9	6262.7	6335.6	6478.7	6666.4	6905.4	7249.7	7629.2	7681.8	8107.2	8145.0
15°	6021.0	6018.3	6079.0	6216.8	6424.7	6647.5	6999.9	7406.4	7467.1	8018.1	8140.9
17.5°	5885.9	5890.0	5934.5	6052.0	6230.3	6451.7	6789.3	7218.7	7284.8	7938.4	8161.2
20°	5872.4	5876.5	5900.8	5967.0	6111.4	6307.2	6617.8	7060.7	7129.6	7879.0	8193.6
22.5°	5991.3	5988.6	5995.3	5988.6	6069.6	6218.1	6504.4	6939.2	7018.8	7839.8	8219.2
25°	6219.5	6215.4	6212.7	6162.7	6108.7	6188.4	6457.1	6870.3	6945.9	7811.5	8234.1
27.5°	6536.8	6534.1	6530.0	6447.7	6285.6	6235.7	6462.5	6844.6	6908.1	7788.5	8231.4
30°	6954.0	6972.9	6967.5	6852.8	6600.2	6380.1	6519.2	6831.1	6886.5	7743.9	8203.0
32.5°	7444.2	7482.0	7511.7	7388.8	7072.8	6666.4	6650.2	6846.0	6886.5	7710.2	8151.7
35°	7953.2	8001.9	8111.2	8068.0	7652.1	7097.2	6875.7	6935.1	6968.9	7729.1	8127.4
37.5°	8454.2	8512.3	8749.9	8875.5	8411.0	7667.0	7226.8	7155.2	7172.8	7843.9	8154.4
40°	9036.2	9123.9	9484.5	9687.0	9317.0	8429.9	7752.0	7533.3	7540.1	8096.4	8280.0
42.5°	9800.4	9890.9	10281.2	10598.5	10337.9	9394.0	8465.0	8111.2	8104.5	8569.0	8575.7
45°	10732.1	10826.7	11230.4	11582.8	11465.4	10536.4	9377.8	8955.2	8947.1	9314.3	9136.1
47.5°	11788.1	11881.3	12241.8	12605.0	12731.9	11870.4	10540.4	10107.0	10088.1	10350.0	10001.6
50°	12694.1	12754.9	13087.1	13575.9	14148.4	13509.7	11986.6	11569.3	11549.1	11726.0	11272.3
52.5°	13023.6	13058.7	13396.3	14080.9	15509.5	15729.6	13886.4	13349.0	13334.2	13411.1	12964.2
55°	12356.6	12420.0	12834.6	13850.0	16246.8	18238.4	16284.6	15552.7	15440.6	15274.5	14733.1
57.5°	10539.1	10640.3	11085.9	12436.2	15902.4	20228.8	19808.8	18045.4	17880.6	16865.2	16171.1
60°	7896.5	8020.8	8390.7	9847.7	14064.7	20937.7	23659.9	20822.9	20451.6	18131.8	17493.1
62.5°	5418.7	5480.9	5732.0	6681.3	10358.1	19776.4	26881.7	24543.0	23865.1	19509.1	18923.0
65°	4138.7	4160.3	4262.9	4589.7	6168.2	16064.5	28163.1	29451.3	28631.7	21156.4	20407.0
67.5°	3335.2	3317.7	3459.5	3926.7	4130.6	9800.4	26668.3	34095.0	33711.5	23358.8	21900.4
69°	2940.9	2916.6	3061.1	3603.9	3879.4	6478.7	23840.8	35149.5	35173.9	24521.4	22003.1
70°	2646.6	2662.8	2805.9	3412.2	3794.3	5085.2	21140.2	34880.8	35072.6	24956.2	21387.3
72.5°	1767.5	1810.7	2098.4	2832.9	3648.5	3848.3	12764.3	29932.0	30669.3	23977.2	18349.2
75°	996.5	1028.9	1370.6	2136.2	3437.9	3664.7	6742.0	22051.7	22764.6	20050.5	14149.7
77.5°	488.8	506.4	775.1	1378.7	2874.8	3491.9	3824.0	14978.8	15793.1	13087.1	8003.2
80°	206.6	216.0	387.5	850.7	2055.1	3332.5	2839.7	9218.5	9319.7	5127.1	2132.1
82.5°	79.7	82.4	163.4	530.7	1305.7	2598.0	2375.2	4370.9	4265.6	965.5	486.1
85°	9.5	10.8	59.4	318.7	726.5	1336.8	1929.6	1883.7	1743.2	191.7	249.8
87.5°	0.0	0.0	4.1	97.2	216.0	626.5	1003.3	781.8	704.9	62.1	129.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0	8064.0
2.5°	8043.7	8030.2	7957.3	7852.0	7752.0	7627.8	7509.0	7437.4	7380.7	7342.9	7387.5
5°	8065.3	8005.9	7784.5	7500.9	7222.7	6909.5	6617.8	6370.7	6273.5	6165.4	6214.1
7.5°	8058.6	7946.5	7548.2	7043.1	6532.7	6004.8	5505.2	5120.3	4920.5	4724.7	4774.6
10°	8024.8	7835.8	7232.2	6484.1	5719.9	4961.0	4252.1	3713.3	3412.2	3139.4	3178.6
12.5°	7950.5	7687.2	6859.5	5844.1	4821.9	3821.3	2990.9	2300.9	1930.9	1767.5	1787.8
15°	7906.0	7542.8	6465.2	5195.9	3863.2	2661.4	1828.3	1359.7	1191.0	1136.9	1143.7
17.5°	7884.4	7403.7	6057.4	4454.6	2882.9	1694.6	1181.5	1042.4	1006.0	996.5	999.2
20°	7862.8	7263.2	5637.5	3721.4	1986.3	1139.6	970.9	930.4	916.9	904.7	907.4
22.5°	7826.3	7128.2	5186.5	2978.8	1339.5	925.0	875.0	835.8	807.5	792.6	795.3
25°	7781.8	6986.4	4726.0	2218.5	977.6	825.0	777.8	722.4	688.7	661.6	663.0
27.5°	7710.2	6812.2	4250.7	1615.0	821.0	738.6	675.1	614.4	557.7	526.6	526.6
30°	7610.3	6615.1	3722.8	1155.9	735.9	653.5	576.6	501.0	440.2	411.8	409.1
32.5°	7499.5	6409.9	3189.4	876.3	668.4	573.9	486.1	406.4	352.4	329.5	328.1
35°	7405.0	6188.4	2657.4	734.6	600.9	496.9	401.0	333.5	290.3	271.4	270.1
37.5°	7344.3	5967.0	2138.9	656.2	540.1	425.3	336.2	275.5	244.4	229.6	228.2
40°	7334.8	5802.2	1664.9	596.8	483.4	361.9	280.9	233.6	205.2	189.0	187.7
42.5°	7457.7	5707.7	1277.4	546.9	425.3	306.5	239.0	199.8	170.1	153.9	152.6
45°	7780.4	5737.4	983.0	502.3	367.3	259.3	202.5	166.1	139.1	126.9	124.2
47.5°	8369.1	5942.7	781.8	457.8	311.9	220.1	172.8	137.7	114.8	102.6	101.3
50°	9417.0	6424.7	653.5	409.1	260.6	187.7	143.1	112.1	93.2	82.4	81.0
52.5°	10807.8	7283.5	583.3	361.9	216.0	159.3	117.5	89.1	72.9	64.8	63.5
55°	12341.7	8323.2	537.4	310.6	176.9	132.3	93.2	70.2	56.7	50.0	47.3
57.5°	13839.2	9223.9	494.2	260.6	147.2	108.0	74.3	55.4	44.6	37.8	36.5
60°	15215.1	10051.6	444.2	209.3	120.2	85.1	58.1	43.2	35.1	28.4	28.4
62.5°	16688.3	10691.6	375.4	163.4	98.6	64.8	47.3	39.2	28.4	24.3	23.0
65°	18249.2	11166.9	294.4	126.9	77.0	48.6	39.2	40.5	23.0	17.6	16.2
67.5°	19402.4	11072.4	217.4	99.9	59.4	37.8	37.8	43.2	20.3	13.5	12.2
69°	19148.5	10304.1	182.3	86.4	51.3	32.4	35.1	43.2	18.9	12.2	10.8
70°	18412.6	9453.4	160.7	77.0	45.9	29.7	33.8	41.9	17.6	12.2	10.8
72.5°	15334.0	7120.1	125.6	58.1	36.5	24.3	28.4	36.5	17.6	12.2	9.5
75°	11534.2	4557.2	95.9	41.9	27.0	18.9	21.6	27.0	17.6	10.8	9.5
77.5°	6276.2	1643.3	68.9	28.4	18.9	14.9	14.9	20.3	16.2	8.1	5.4
80°	1613.6	413.2	43.2	18.9	14.9	10.8	9.5	13.5	9.5	1.4	0.0
82.5°	398.3	93.2	23.0	13.5	10.8	4.1	4.1	6.8	4.1	0.0	0.0
85°	218.7	45.9	14.9	9.5	5.4	0.0	0.0	1.4	0.0	0.0	0.0
87.5°	112.1	13.5	4.1	2.7	1.4	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)