

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: P322850

Luminaire Tested: **GAN-SA6C-730-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-730-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27923 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

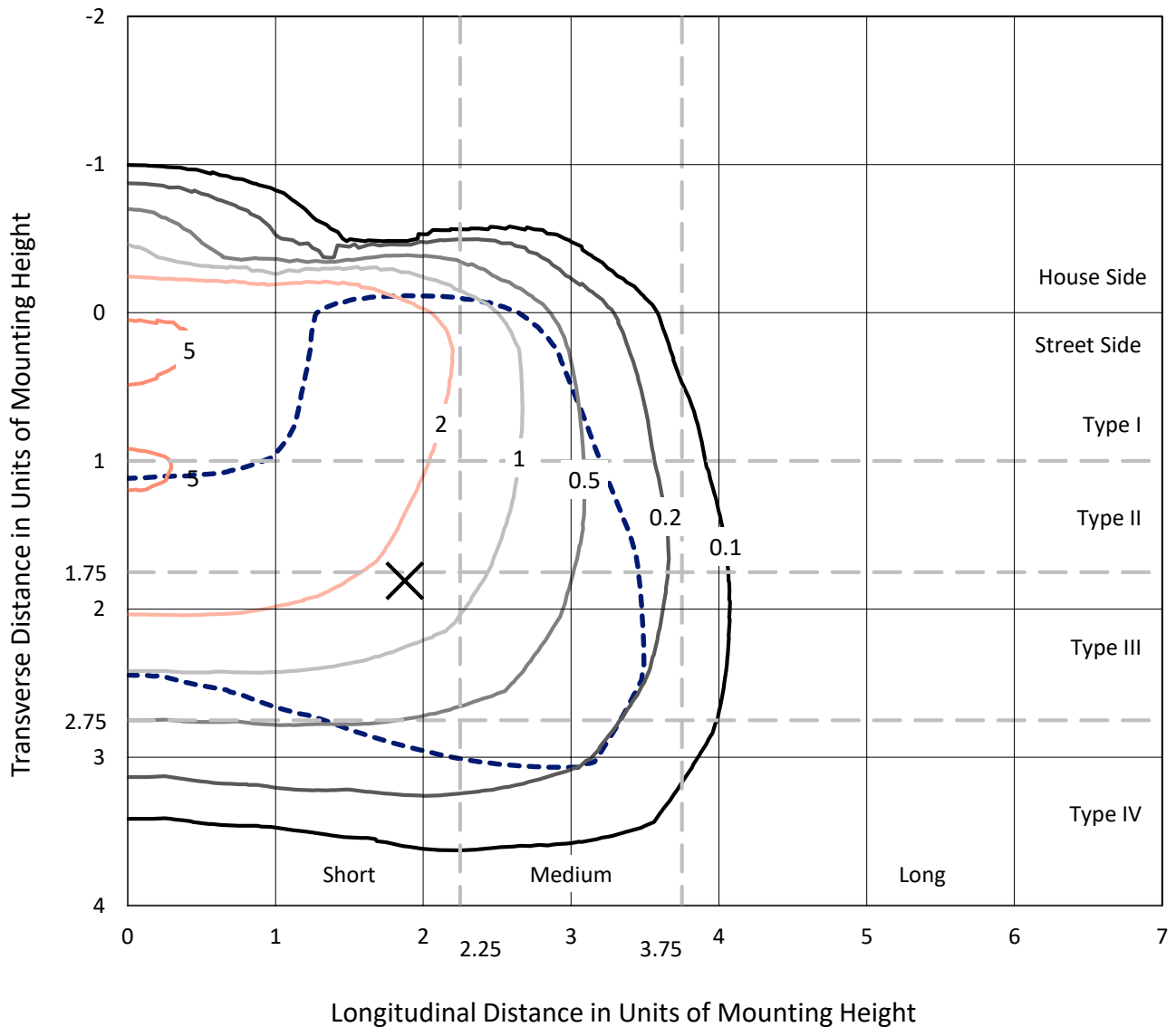
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

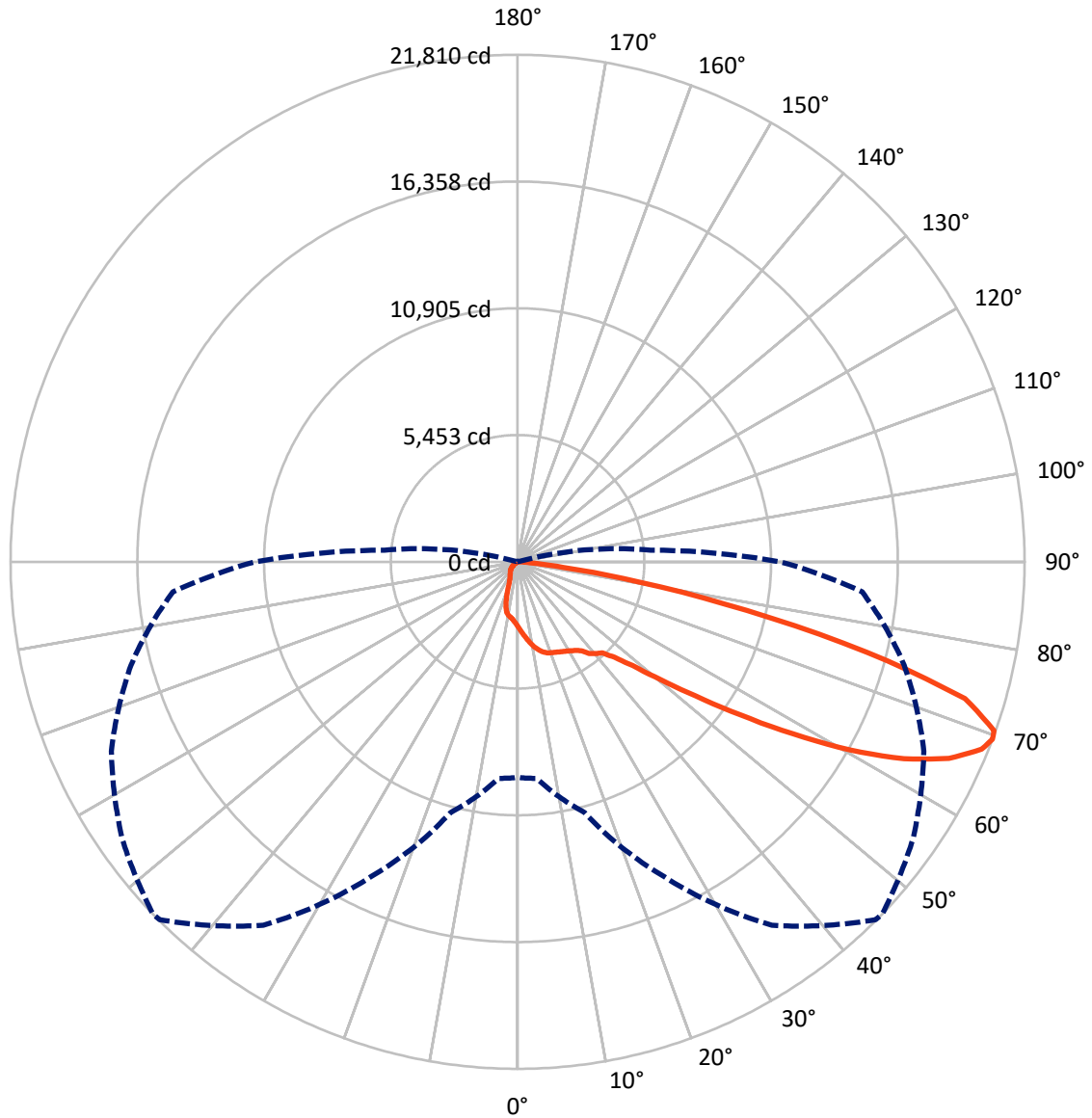
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2865.6	0.0	2865.6
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	25057.4	0.0	25057.4
	% Fixture	89.7	0.0	89.7
Total	Lumens	27923.0	0.0	27923.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.5	1.0
10°-20°	844.8	3.0
20°-30°	1328.6	4.8
30°-40°	1905.3	6.8
40°-50°	3293.0	11.8
50°-60°	6505.7	23.3
60°-70°	9092.2	32.6
70°-80°	4392.5	15.7
80°-90°	282.3	1.0
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°	27923.0	100.0
0°-180°	27923.0	100.0

Coefficient of Utilization

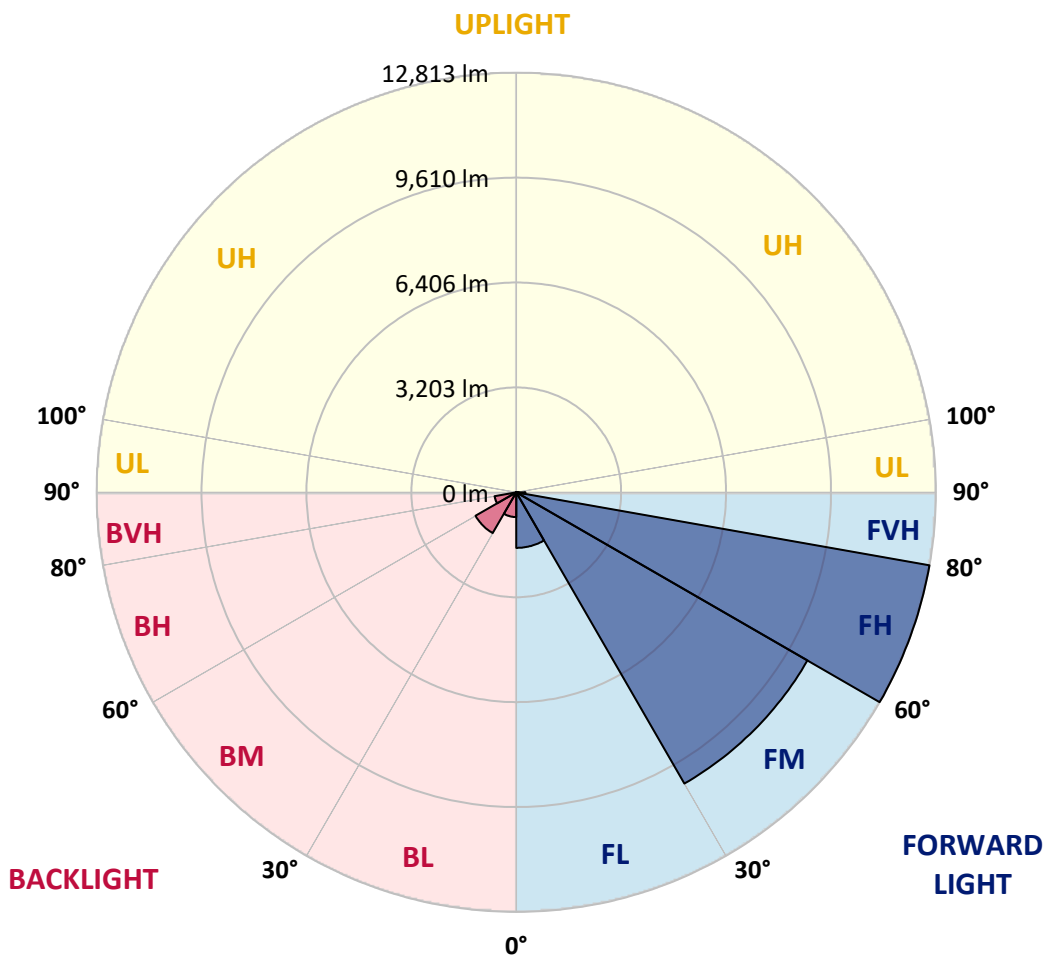


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1696.7	6.1			
FM (30°-60°)	10267.9	36.8			
FH (60°-80°)	12812.8	45.9			G5
FVH (80°-90°)	280.0	1.0			G3/500
BL (0°-30°)	755.3	2.7	B2/1000		
BM (30°-60°)	1436.1	5.1	B2/2500		
BH (60°-80°)	671.9	2.4	B2/1000		G2/1000
BVH (80°-90°)	2.4	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-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8
2.5°	3108.1	3104.1	3085.8	3078.0	3033.4	3007.3	2996.8	2964.0	2916.9	2869.8	2817.4
5°	3461.5	3460.2	3426.2	3393.5	3309.7	3231.1	3216.7	3140.8	3034.7	2935.2	2835.7
7.5°	3822.9	3805.9	3771.8	3709.0	3587.2	3461.5	3449.8	3342.4	3191.9	3047.8	2905.1
10°	4129.2	4118.8	4074.3	3978.7	3836.0	3693.3	3678.9	3546.6	3376.5	3199.7	3017.7
12.5°	4367.5	4359.7	4300.8	4181.6	4029.7	3881.8	3862.2	3744.3	3562.4	3364.7	3150.0
15°	4512.8	4508.9	4436.9	4309.9	4160.7	4032.4	4015.3	3911.9	3743.0	3536.2	3294.0
17.5°	4546.9	4548.2	4473.6	4345.3	4222.2	4130.6	4117.5	4038.9	3897.5	3692.0	3438.0
20°	4470.9	4486.7	4419.9	4308.6	4232.7	4184.2	4173.8	4126.6	4007.5	3813.7	3553.2
22.5°	4363.6	4371.4	4325.6	4251.0	4219.6	4228.7	4223.5	4197.3	4096.5	3918.5	3667.1
25°	4298.1	4298.1	4270.6	4207.8	4228.7	4285.0	4286.4	4281.1	4201.3	4046.8	3805.9
27.5°	4295.5	4287.7	4256.2	4209.1	4266.7	4353.1	4358.4	4393.7	4344.0	4202.6	3978.7
30°	4400.3	4391.1	4324.3	4262.8	4336.1	4429.1	4442.1	4519.4	4494.5	4371.4	4171.1
32.5°	4645.1	4612.3	4464.4	4363.6	4418.6	4529.9	4546.9	4669.9	4709.2	4579.6	4357.0
35°	4980.2	4876.8	4663.4	4554.7	4560.0	4676.5	4692.2	4872.9	4989.4	4770.8	4501.1
37.5°	5442.4	5391.3	5044.4	4753.7	4777.3	4954.0	4999.9	5196.3	5163.5	4875.5	4664.7
40°	6455.7	6375.8	6006.7	5311.5	4985.5	5179.2	5193.6	5298.4	5301.0	5112.5	5005.1
42.5°	7835.6	7802.9	7414.1	6323.5	5395.3	5329.8	5356.0	5532.7	5730.4	5612.6	5607.3
45°	9363.5	9346.4	8934.0	7666.7	6224.0	5823.4	5856.1	6093.1	6471.4	6497.6	6663.9
47.5°	10592.8	10585.0	10348.0	9165.8	7492.6	6659.9	6670.4	6921.8	7586.9	7915.5	8181.2
50°	11713.5	11751.5	11564.2	10787.9	9220.8	7970.5	7945.6	8113.2	9181.5	9719.6	10049.5
52.5°	13271.5	13325.1	12800.1	12301.3	11034.0	9596.5	9576.9	9752.3	11098.2	11501.4	11560.3
55°	14647.4	14555.8	14140.8	13996.8	13245.3	11604.8	11599.6	11754.1	12952.0	13123.5	13232.2
57.5°	15254.9	15219.6	15419.9	15749.8	15561.3	13978.4	13966.6	13848.8	14610.8	14629.1	14963.0
60°	15638.5	15681.7	16295.7	17313.0	17783.0	16532.7	16456.8	15738.0	16194.9	16154.3	16511.7
62.5°	15350.5	15435.6	16540.6	18236.0	19445.7	18762.3	18654.9	17468.8	17548.6	17408.6	17741.1
65°	13821.3	13953.6	15764.2	18061.9	20270.5	20504.8	20396.2	18996.6	18623.5	18393.1	18208.5
67.5°	11222.5	11301.1	13191.6	16547.1	19898.7	21544.3	21522.1	20335.9	19435.2	18226.8	16794.5
69°	9274.4	9351.7	11171.5	14952.5	19080.4	21766.9	21810.1	20765.4	19280.7	17216.1	14880.5
70°	7855.3	7937.7	9633.2	13585.7	18131.2	21663.5	21740.7	20724.8	18838.2	16045.7	13200.8
72.5°	4120.1	4190.8	5930.7	9359.5	14781.0	19892.1	20126.5	18973.1	15968.4	11653.3	7805.5
75°	1294.8	1335.4	2316.0	4892.5	10120.2	15467.0	15520.7	14883.1	11339.1	6409.9	3250.8
77.5°	493.6	481.8	771.1	1802.8	5116.4	9739.2	10067.8	9300.6	5950.4	2266.2	750.2
80°	265.8	267.1	400.6	746.2	2189.0	5005.1	5282.7	4507.6	2114.4	707.0	172.8
82.5°	115.2	120.4	225.2	395.4	1005.5	1846.0	1984.8	1652.2	807.8	475.2	64.2
85°	24.9	27.5	108.7	214.7	409.8	518.4	543.3	535.5	514.5	369.2	24.9
87.5°	0.0	0.0	48.4	77.2	103.4	117.8	103.4	134.8	284.1	248.7	13.1
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°	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8	2797.8
2.5°	2800.4	2776.8	2736.2	2691.7	2660.3	2627.6	2601.4	2589.6	2576.5	2567.4	2579.1
5°	2795.2	2749.3	2670.8	2594.9	2539.9	2495.4	2458.7	2444.3	2429.9	2419.4	2418.1
7.5°	2841.0	2776.8	2656.4	2545.1	2460.0	2399.8	2350.0	2329.1	2312.1	2304.2	2297.7
10°	2928.7	2846.2	2685.2	2539.9	2429.9	2327.8	2220.4	2137.9	2084.3	2059.4	2050.2
12.5°	3042.6	2939.2	2740.2	2567.4	2407.6	2211.3	1983.5	1787.1	1660.1	1618.2	1593.3
15°	3176.1	3047.8	2812.2	2602.7	2326.5	1967.7	1581.5	1324.9	1207.1	1183.5	1157.3
17.5°	3304.4	3163.0	2898.6	2609.3	2148.4	1572.4	1158.7	984.5	938.7	954.4	958.3
20°	3417.0	3277.0	2983.7	2551.6	1825.0	1179.6	896.8	853.6	870.6	900.7	906.0
22.5°	3530.9	3386.9	3062.2	2399.8	1411.3	895.5	807.8	818.3	835.3	865.4	870.6
25°	3669.7	3520.5	3135.6	2120.9	1059.2	762.0	767.2	782.9	799.9	827.4	830.0
27.5°	3829.4	3689.4	3184.0	1758.3	785.5	700.4	717.4	741.0	758.0	784.2	789.5
30°	4041.5	3911.9	3199.7	1382.5	658.5	645.4	653.3	682.1	707.0	730.5	734.5
32.5°	4240.5	4131.9	3147.3	1043.4	610.1	594.4	594.4	611.4	640.2	662.5	667.7
35°	4423.8	4353.1	2979.8	763.3	573.4	547.2	534.2	534.2	552.5	570.8	576.1
37.5°	4666.0	4663.4	2708.8	608.8	538.1	508.0	480.5	459.5	453.0	456.9	459.5
40°	5081.0	5085.0	2355.3	545.9	508.0	467.4	425.5	387.5	352.2	340.4	339.1
42.5°	5729.1	5670.2	1984.8	515.8	481.8	425.5	362.7	311.6	256.6	239.6	238.3
45°	6758.1	6408.6	1592.0	488.3	454.3	378.4	299.8	230.4	185.9	172.8	172.8
47.5°	8257.2	7378.7	1233.3	458.2	417.6	324.7	226.5	166.3	136.2	129.6	130.9
50°	9807.3	8329.2	945.2	420.3	373.1	268.4	167.6	120.4	103.4	103.4	104.7
52.5°	11182.0	9025.7	737.1	379.7	318.1	210.8	127.0	94.3	86.4	85.1	86.4
55°	12468.9	9474.7	564.3	332.5	252.7	157.1	96.9	77.2	72.0	69.4	68.1
57.5°	13710.0	9697.3	422.9	268.4	183.3	113.9	77.2	65.5	60.2	56.3	55.0
60°	14536.2	9516.6	290.6	197.7	127.0	82.5	64.2	56.3	49.7	45.8	44.5
62.5°	15002.2	9023.1	187.2	142.7	90.3	61.5	51.1	47.1	38.0	34.0	34.0
65°	14813.7	8208.7	130.9	102.1	65.5	45.8	38.0	38.0	27.5	22.3	20.9
67.5°	13127.4	6934.9	99.5	75.9	47.1	34.0	28.8	32.7	17.0	10.5	10.5
69°	11294.5	5747.4	85.1	62.8	39.3	27.5	24.9	30.1	11.8	7.9	6.5
70°	9816.5	4958.0	77.2	55.0	32.7	23.6	22.3	28.8	11.8	6.5	5.2
72.5°	5873.1	2765.0	58.9	39.3	20.9	18.3	18.3	32.7	11.8	6.5	5.2
75°	2373.6	974.1	43.2	27.5	15.7	15.7	22.3	41.9	10.5	5.2	3.9
77.5°	538.1	213.4	24.9	17.0	10.5	15.7	26.2	32.7	6.5	2.6	0.0
80°	130.9	52.4	15.7	10.5	6.5	11.8	19.6	18.3	1.3	0.0	0.0
82.5°	43.2	18.3	6.5	5.2	1.3	3.9	9.2	5.2	0.0	0.0	0.0
85°	18.3	10.5	2.6	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0
87.5°	11.8	3.9	0.0	0.0	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)