

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: P322540

Luminaire Tested: **GAN-SA6D-730-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30013 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

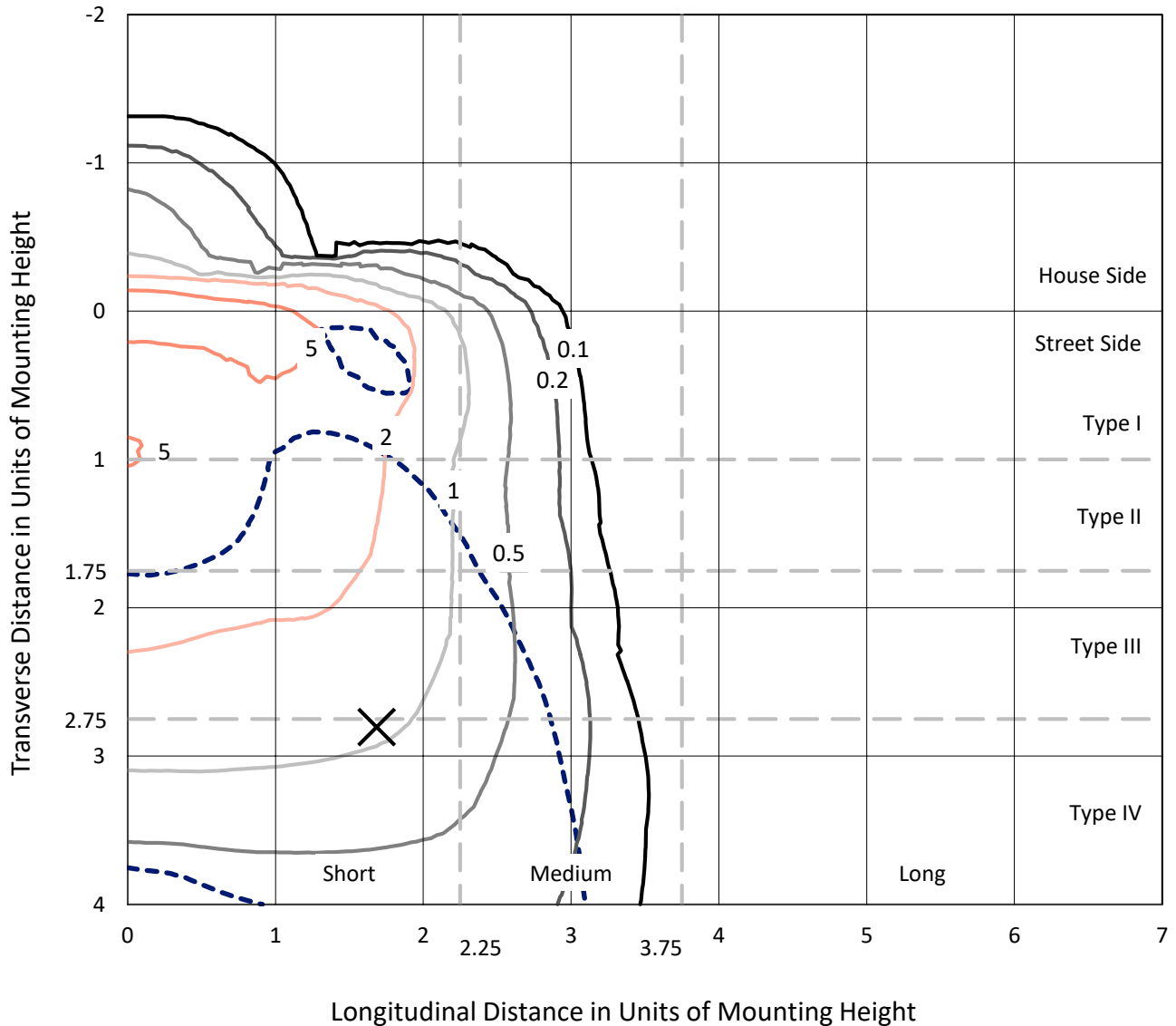
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

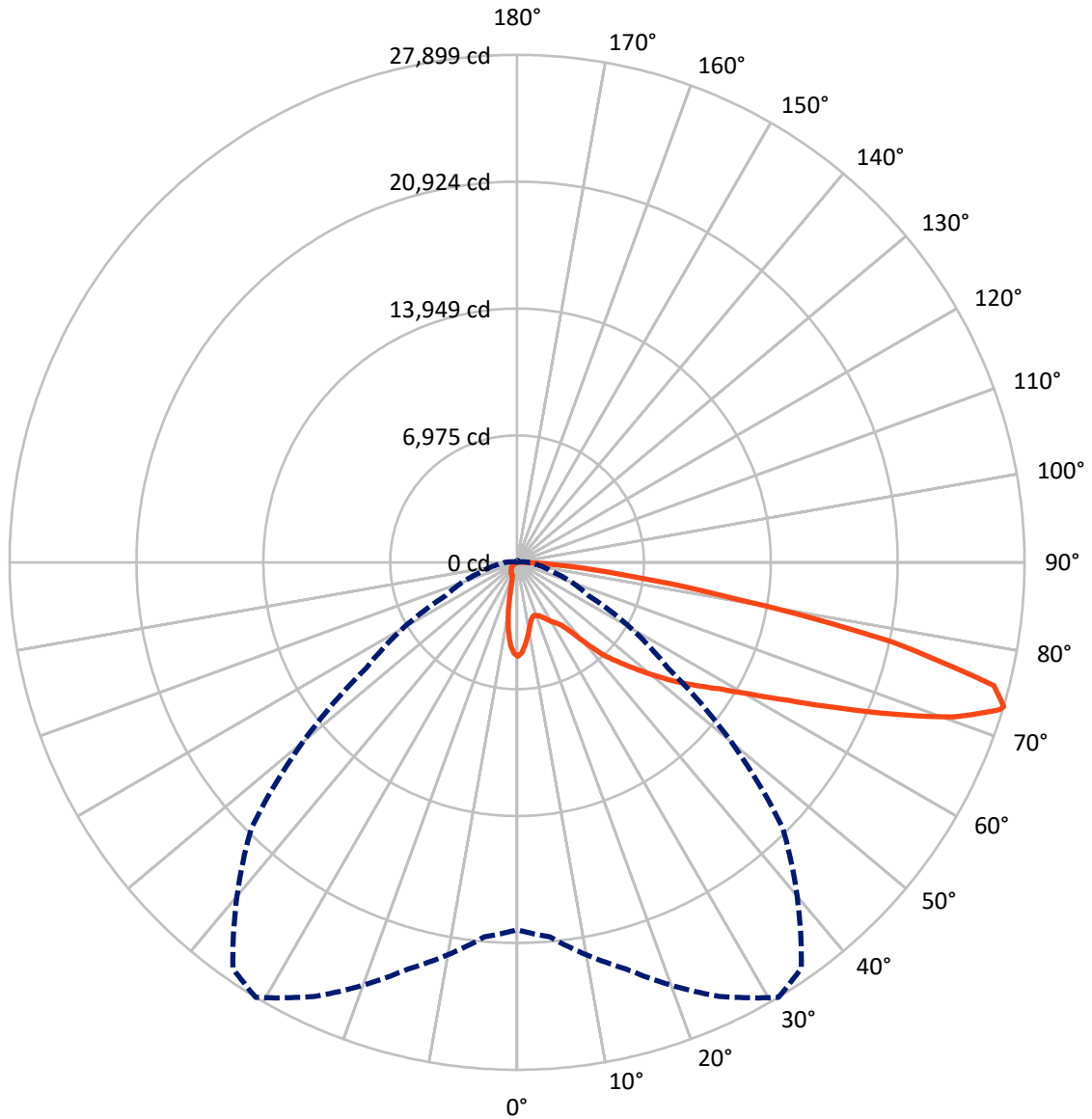
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2735.8	0.0	2735.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	27277.2	0.0	27277.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	30013.0	0.0	30013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.1	1.4
10°-20°	929.6	3.1
20°-30°	1392.9	4.6
30°-40°	2216.1	7.4
40°-50°	3957.3	13.2
50°-60°	6140.6	20.5
60°-70°	8163.0	27.2
70°-80°	6140.2	20.5
80°-90°	645.2	2.1
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°	30013.0	100.0
0°-180°	30013.0	100.0

Coefficient of Utilization



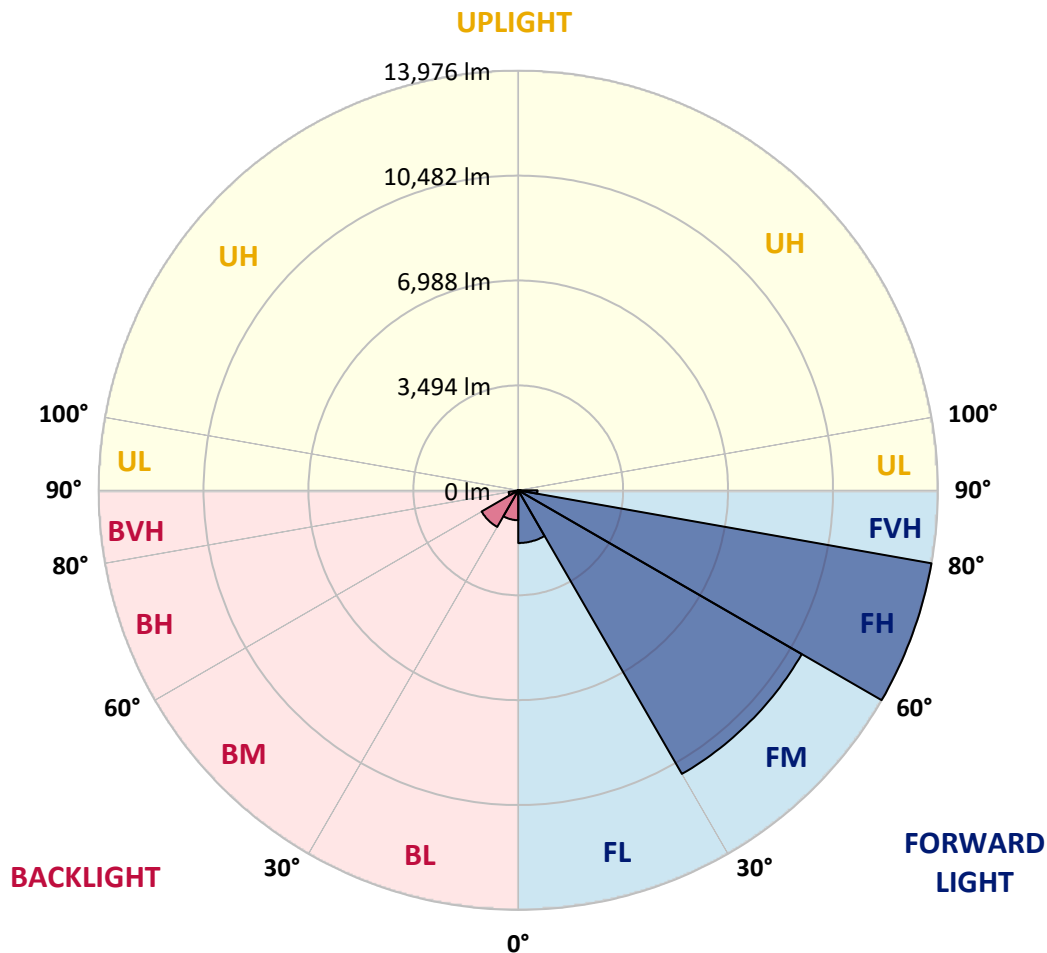
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1755.8	5.9			
FM (30°-60°)	10905.7	36.3			
FH (60°-80°)	13975.9	46.6			G5
FVH (80°-90°)	639.8	2.1			G4/750
BL (0°-30°)	994.8	3.3	B2/1000		
BM (30°-60°)	1408.2	4.7	B2/2500		
BH (60°-80°)	327.3	1.1	B1/500		G1/500
BVH (80°-90°)	5.4	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°	31°	35°	45°	55°	65°	75°	85°
0°	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8
2.5°	4893.6	4914.1	4936.2	4940.6	4977.3	4978.7	5031.6	5071.3	5110.9	5149.1	5162.3
5°	4391.3	4425.1	4464.7	4504.4	4582.2	4613.1	4742.3	4874.5	5000.8	5121.2	5180.0
7.5°	3855.2	3893.4	3949.2	4047.6	4134.3	4194.5	4398.6	4633.6	4868.6	5090.4	5218.1
10°	3366.2	3401.4	3460.2	3564.4	3698.1	3780.3	4055.0	4381.0	4726.1	5062.5	5275.4
12.5°	3054.8	3073.9	3106.2	3217.8	3338.3	3430.8	3753.9	4157.8	4608.6	5061.0	5367.9
15°	2997.5	3003.4	2977.0	3026.9	3120.9	3210.5	3538.0	3977.1	4519.1	5084.5	5488.4
17.5°	3088.6	3085.6	2997.5	2991.7	3066.6	3140.0	3432.3	3852.3	4455.9	5138.8	5644.0
20°	3226.6	3216.4	3063.6	3035.7	3115.0	3184.0	3424.9	3805.3	4432.4	5229.9	5833.5
22.5°	3410.2	3392.6	3153.2	3123.8	3209.0	3281.0	3516.0	3850.8	4453.0	5351.8	6053.8
25°	3637.9	3611.4	3307.4	3275.1	3361.8	3433.7	3679.0	3981.5	4514.7	5500.1	6332.8
27.5°	3894.9	3856.7	3554.2	3470.4	3568.8	3643.7	3896.3	4181.3	4611.6	5657.3	6675.0
30°	4137.2	4087.3	3814.1	3676.0	3796.5	3880.2	4131.3	4419.2	4767.3	5899.6	7143.5
32.5°	4381.0	4325.2	4046.2	3881.7	3990.3	4081.4	4373.7	4746.7	5059.5	6269.7	7766.3
35°	4942.0	4883.3	4541.1	4269.4	4267.9	4319.3	4712.9	5194.6	5445.8	6785.2	8509.4
37.5°	5886.4	5852.6	5526.6	5011.1	4873.0	4815.7	5175.5	5729.2	6000.9	7494.6	9348.0
40°	6920.3	6890.9	6525.2	6058.2	5848.2	5707.2	5839.4	6473.8	6785.2	8361.1	10204.2
42.5°	8087.9	7948.4	7296.3	7156.8	6968.8	6861.6	6742.6	7391.8	7748.6	9303.9	11053.1
45°	9148.3	8913.3	8067.3	7855.8	7813.3	7839.7	7905.8	8625.4	8832.5	10424.5	11899.1
47.5°	9779.8	9594.7	8945.6	8742.9	8731.2	8905.9	9405.3	10019.2	9912.0	11401.2	12643.7
50°	10380.5	10213.0	9674.0	9724.0	9778.3	10016.2	11107.5	11452.6	10897.4	12286.8	13326.6
52.5°	10866.6	10611.0	10329.1	10609.6	10876.9	11260.2	12864.0	12739.1	11596.5	12991.7	13911.1
55°	11147.1	11031.1	11167.7	11449.7	11951.9	12574.6	14522.1	13809.8	12107.6	13635.0	14300.3
57.5°	12175.2	11947.5	12219.2	12463.0	13118.0	13989.0	15942.3	14607.3	12476.2	14033.0	14389.9
60°	13419.1	13235.5	13395.6	13801.0	14685.1	15708.8	17269.9	15257.9	12668.6	14288.6	14157.9
62.5°	15398.9	15156.5	15056.7	15510.5	16682.5	17800.1	18277.4	15708.8	12626.0	14175.5	13361.8
65°	18051.3	17800.1	17353.7	17764.9	19255.6	20044.2	19403.9	15804.2	12332.3	13260.5	11349.8
67.5°	20768.3	20586.2	20204.3	20897.5	22242.8	22496.9	20595.0	15572.2	11386.5	10752.0	8018.9
70°	22563.0	22485.1	22733.3	24266.6	25466.5	25393.1	21687.7	14325.3	8875.1	6611.9	3966.8
72.5°	21269.1	21642.1	23475.0	26255.2	27720.9	27121.7	21126.6	11000.2	5072.7	2543.7	1147.0
73°	20197.0	20674.3	23141.6	26330.1	27898.6	27242.1	20655.2	10097.0	4323.7	2007.7	869.4
75°	14050.6	14636.6	19158.6	24522.2	27067.3	25955.6	17217.1	6180.1	2003.2	890.0	351.0
77.5°	6821.9	7255.2	10549.4	17717.9	21050.3	20279.2	10718.3	2302.9	904.7	556.6	161.6
80°	2546.7	2831.6	4579.3	9017.6	12164.9	12483.6	4714.4	870.9	602.1	447.9	82.2
82.5°	666.8	743.1	1689.0	4021.2	6234.4	6525.2	1486.3	439.1	440.6	368.6	49.9
85°	213.0	243.8	527.2	1805.0	2937.3	2579.0	387.7	213.0	320.2	274.6	27.9
87.5°	26.4	33.8	167.4	424.4	647.7	359.8	60.2	63.2	136.6	152.7	16.2
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°	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8	5163.8
2.5°	5175.5	5168.2	5169.7	5131.5	5106.5	5056.6	5005.2	4981.7	4956.7	4946.4	4956.7
5°	5202.0	5188.8	5150.6	5033.1	4908.3	4746.7	4595.4	4480.9	4336.9	4297.3	4338.4
7.5°	5243.1	5216.7	5105.1	4865.7	4588.1	4279.7	3933.1	3680.5	3473.4	3339.7	3388.2
10°	5303.3	5253.4	5028.7	4621.9	4125.5	3579.1	3087.1	2703.8	2432.1	2320.5	2316.1
12.5°	5404.7	5310.7	4934.7	4304.6	3560.0	2831.6	2186.8	1771.2	1550.9	1408.4	1405.5
15°	5516.3	5378.2	4815.7	3924.3	2902.1	2028.2	1408.4	1092.7	950.2	904.7	898.8
17.5°	5652.9	5456.1	4661.5	3455.8	2213.3	1343.8	919.4	828.3	822.4	818.0	818.0
20°	5824.7	5548.6	4463.2	2919.7	1570.0	897.3	781.3	787.2	790.1	784.3	785.7
22.5°	6024.4	5642.6	4226.8	2344.0	1061.8	750.5	747.5	754.9	757.8	754.9	756.4
25°	6256.5	5751.3	3938.9	1740.4	766.6	712.3	719.6	729.9	737.3	737.3	737.3
27.5°	6544.3	5883.4	3592.3	1214.6	662.4	672.6	693.2	712.3	722.6	725.5	725.5
30°	6918.8	6047.9	3176.7	832.7	602.1	619.8	658.0	694.7	713.8	716.7	718.2
32.5°	7391.8	6233.0	2695.0	615.4	550.7	564.0	605.1	666.8	703.5	709.4	709.4
35°	7933.7	6447.4	2176.5	536.1	514.0	518.4	550.7	621.2	685.9	702.0	703.5
37.5°	8527.0	6658.9	1655.2	500.8	483.2	483.2	506.7	566.9	643.3	693.2	699.1
40°	9080.7	6786.7	1160.2	472.9	455.3	455.3	475.8	519.9	591.9	666.8	682.9
42.5°	9591.8	6830.7	807.8	446.5	428.8	433.3	450.9	486.1	540.5	615.4	630.1
45°	10117.6	6823.4	588.9	415.6	402.4	415.6	428.8	455.3	494.9	537.5	540.5
47.5°	10514.1	6761.7	467.0	386.3	377.4	395.1	406.8	424.4	446.5	443.5	443.5
50°	10885.7	6611.9	376.0	346.6	352.5	373.0	378.9	384.8	386.3	358.4	355.4
52.5°	11167.7	6378.4	301.1	304.0	327.5	348.1	342.2	333.4	318.7	284.9	279.0
55°	11261.7	5929.0	236.5	251.1	290.8	317.2	295.2	276.1	248.2	220.3	214.4
57.5°	11091.3	5348.8	192.4	195.3	245.3	267.3	242.3	220.3	189.5	166.0	161.6
60°	10730.0	4704.1	158.6	146.9	189.5	208.5	192.4	170.4	142.5	124.8	123.4
62.5°	10013.3	4016.8	130.7	114.6	143.9	160.1	149.8	133.6	110.1	98.4	96.9
65°	8506.5	3213.4	105.7	92.5	111.6	124.8	116.0	104.3	86.7	77.8	76.4
67.5°	5937.8	2172.1	86.7	76.4	88.1	98.4	91.1	85.2	69.0	67.6	69.0
70°	2863.9	1047.2	72.0	61.7	69.0	76.4	73.4	69.0	66.1	76.4	88.1
72.5°	821.0	351.0	57.3	51.4	55.8	60.2	63.2	61.7	72.0	92.5	107.2
73°	631.5	283.5	54.3	48.5	52.9	58.7	61.7	60.2	73.4	94.0	107.2
75°	270.2	136.6	41.1	39.7	44.1	51.4	54.3	54.3	73.4	95.5	102.8
77.5°	121.9	73.4	26.4	30.8	38.2	41.1	45.5	45.5	58.7	73.4	73.4
80°	69.0	39.7	20.6	23.5	27.9	27.9	27.9	25.0	26.4	29.4	32.3
82.5°	44.1	26.4	16.2	19.1	17.6	14.7	11.7	11.7	10.3	11.7	14.7
85°	25.0	14.7	14.7	11.7	7.3	5.9	7.3	5.9	1.5	0.0	1.5
87.5°	14.7	8.8	4.4	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)