

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: P322320

Luminaire Tested: **GAN-SA6B-760-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-760-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24907 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 249
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



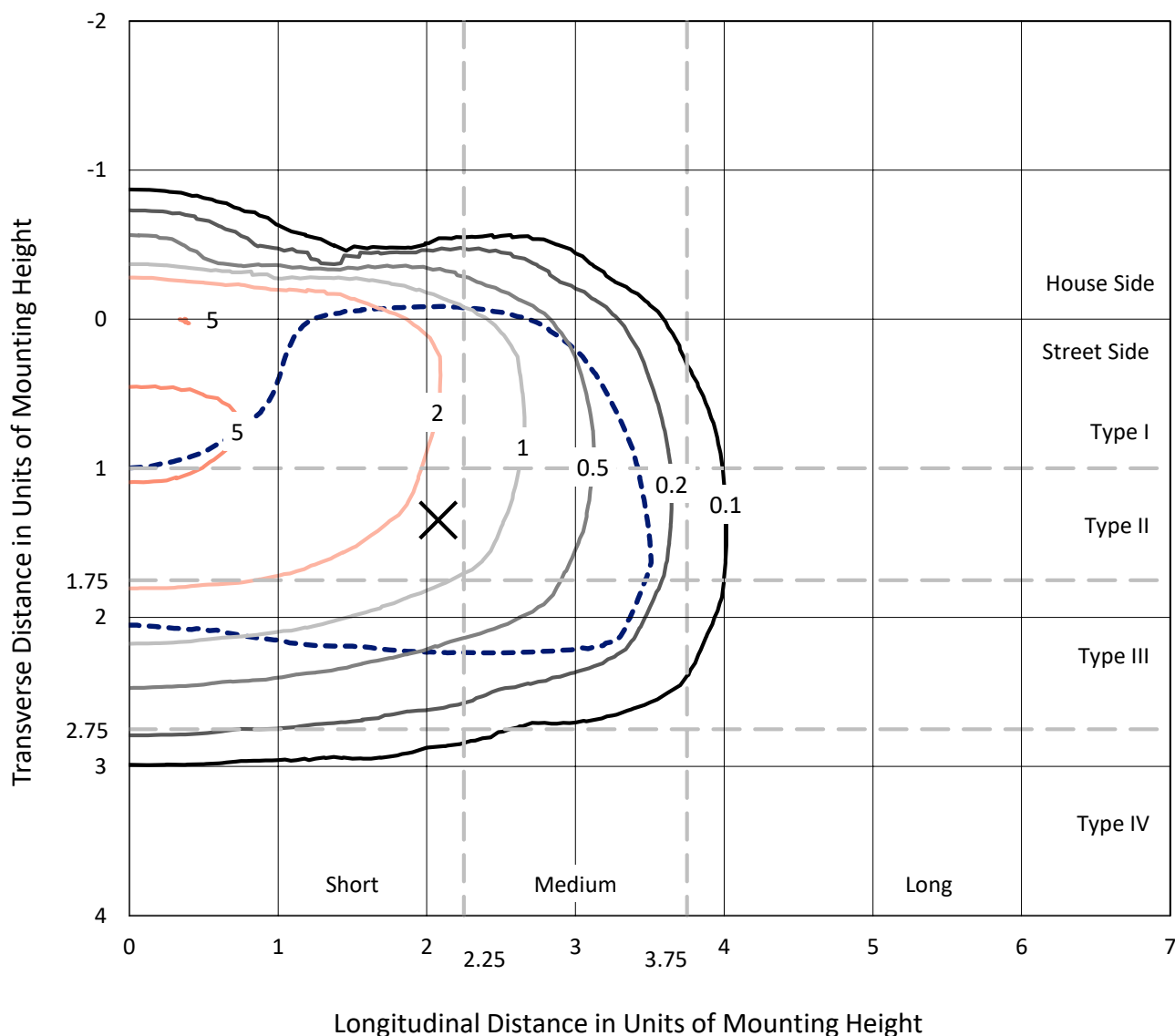
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

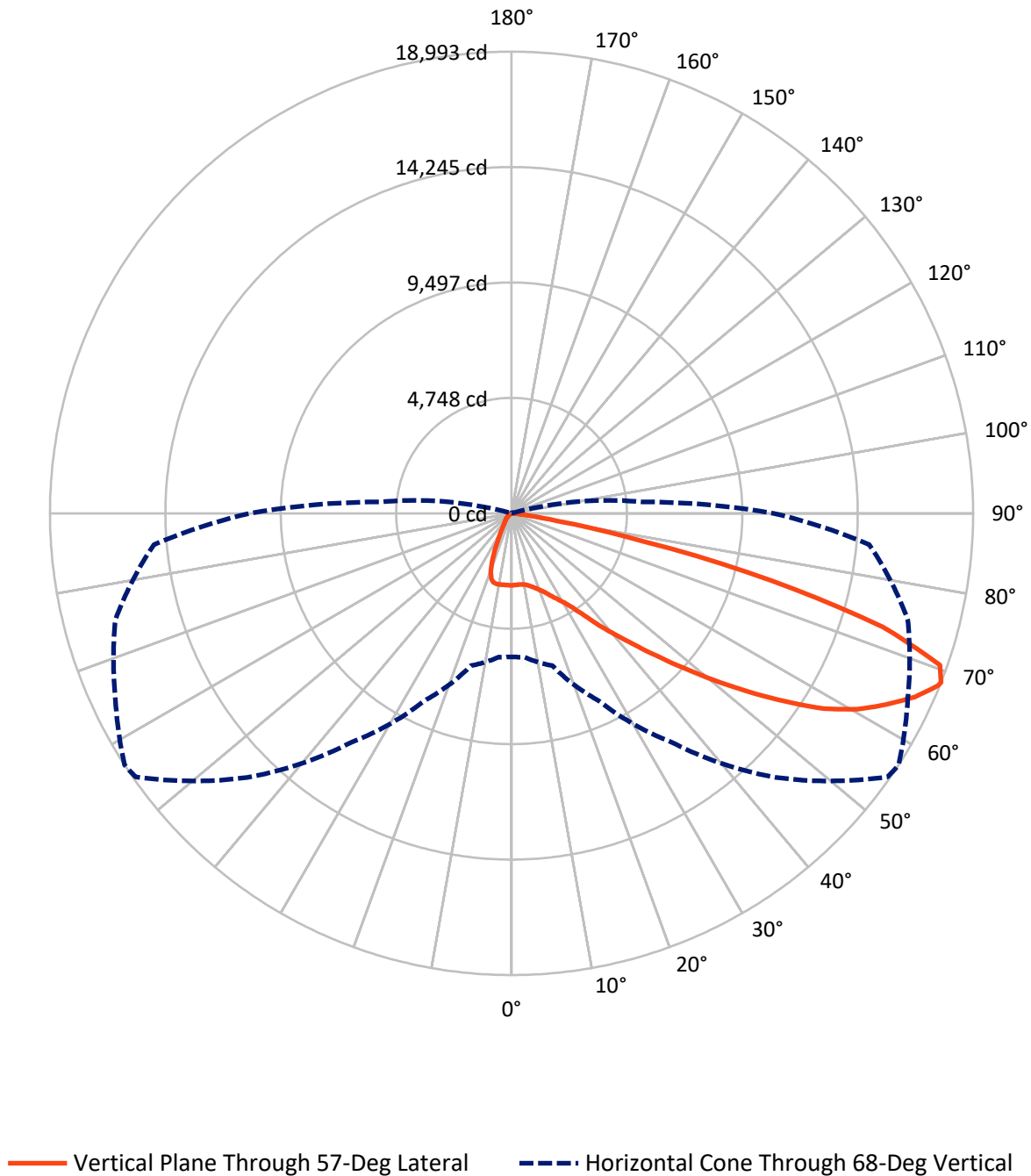


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2731.2	0.0	2731.2
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	22175.8	0.0	22175.8
	% Fixture	89.0	0.0	89.0
Total	Lumens	24907.0	0.0	24907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	1.1
10°-20°	767.5	3.1
20°-30°	1324.0	5.3
30°-40°	2285.2	9.2
40°-50°	3908.9	15.7
50°-60°	6254.0	25.1
60°-70°	7225.8	29.0
70°-80°	2761.1	11.1
80°-90°	103.5	0.4
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°	24907.0	100.0
0°-180°	24907.0	100.0

Coefficient of Utilization



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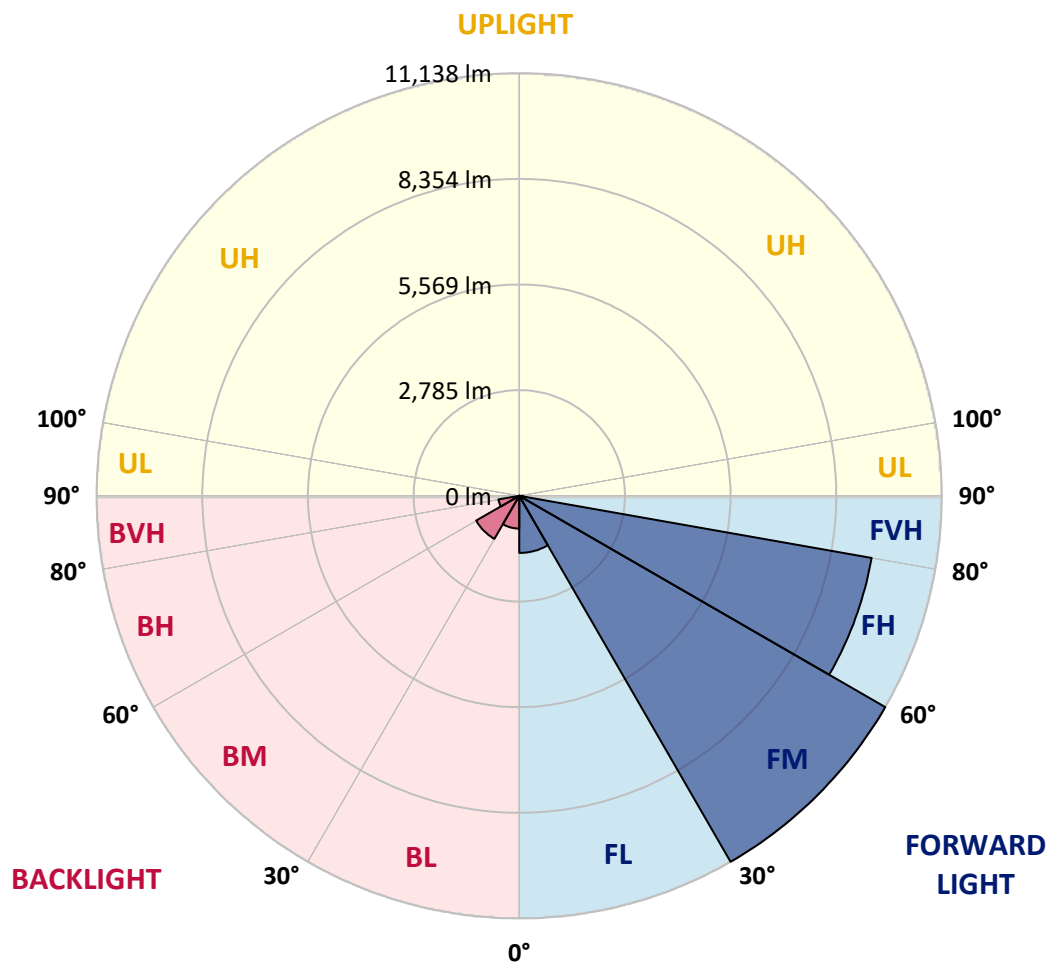
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1505.4	6.0			
FM	(30°-60°)	11138.2	44.7			
FH	(60°-80°)	9430.6	37.9			G4/12000
FVH	(80°-90°)	101.6	0.4			G2/225
BL	(0°-30°)	863.1	3.5	B2/1000		
BM	(30°-60°)	1309.9	5.3	B2/2500		
BH	(60°-80°)	556.2	2.2	B2/1000		G2/1000
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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6
2.5°	2890.1	2903.1	2912.5	2918.4	2925.5	2940.8	2945.5	2952.5	2956.1	2956.1	2964.3
5°	2775.9	2790.0	2810.0	2826.5	2859.5	2901.9	2932.5	2944.3	2965.5	2984.3	2994.9
7.5°	2669.9	2686.4	2709.9	2748.8	2805.3	2873.6	2937.2	2953.7	2994.9	3035.0	3055.0
10°	2601.6	2614.5	2645.2	2700.5	2774.7	2870.1	2959.6	2979.6	3050.3	3117.4	3155.1
12.5°	2578.0	2589.8	2621.6	2684.0	2775.9	2887.8	3011.4	3040.9	3144.5	3242.3	3295.3
15°	2612.2	2614.5	2648.7	2707.6	2798.3	2931.3	3097.4	3132.7	3263.5	3390.7	3456.6
17.5°	2744.1	2733.5	2751.2	2777.1	2848.9	2989.1	3188.1	3241.1	3415.4	3565.0	3627.4
20°	3073.8	3073.8	3033.8	2963.1	2964.3	3078.6	3310.6	3370.6	3583.8	3756.9	3813.5
22.5°	3638.0	3627.4	3547.3	3374.2	3215.2	3232.8	3460.1	3537.9	3786.4	3971.3	3990.1
25°	4316.3	4303.4	4179.7	3935.9	3660.4	3482.5	3662.7	3752.2	4027.8	4191.5	4152.6
27.5°	5034.7	5024.1	4901.7	4599.0	4206.8	3880.6	3904.1	3988.9	4273.9	4435.3	4311.6
30°	5730.8	5734.3	5613.0	5302.1	4858.1	4388.2	4210.3	4259.8	4513.0	4676.7	4500.1
32.5°	6392.7	6397.4	6292.6	5945.1	5530.6	4978.2	4634.3	4621.4	4791.0	4952.3	4749.7
35°	6982.7	6994.5	6922.6	6652.9	6213.6	5635.4	5184.3	5153.7	5185.5	5368.0	5132.5
37.5°	7551.5	7558.6	7504.4	7277.1	6909.7	6357.3	5879.2	5835.6	5767.3	5907.4	5637.7
40°	8174.5	8156.9	8094.5	7888.4	7572.7	7154.6	6625.8	6550.5	6431.5	6556.4	6302.0
42.5°	8754.0	8734.0	8744.6	8511.4	8245.2	7974.3	7496.2	7366.6	7297.1	7440.8	7117.0
45°	9478.3	9467.7	9503.0	9300.4	9084.9	8888.2	8493.7	8352.4	8321.8	8490.2	8102.7
47.5°	10193.2	10219.1	10328.6	10242.6	10155.5	9982.3	9550.1	9486.5	9505.4	9709.1	9142.6
50°	10789.1	10819.7	11120.0	11219.0	11345.0	11243.7	10810.3	10771.4	10845.6	11029.3	10261.5
52.5°	11220.1	11282.5	11655.9	12111.7	12571.0	12639.3	12207.1	12171.7	12271.8	12300.1	11125.9
55°	11519.3	11574.6	11997.4	12831.3	13766.4	14060.8	13792.3	13655.7	13636.8	13357.7	12035.1
57.5°	11572.3	11566.4	12174.1	13296.4	14703.8	15463.5	15293.9	15159.6	14773.3	14335.2	13077.4
60°	11273.1	11307.3	12012.7	13457.8	15292.7	16524.6	16537.5	16363.2	15761.4	15285.6	14087.9
62.5°	10352.2	10491.1	11203.6	13035.0	15285.6	16952.1	17449.1	17316.0	16596.4	16064.1	15112.5
65°	8858.8	8908.3	9587.8	11586.4	14252.8	16773.1	18270.0	18220.5	17349.0	16820.2	15638.9
67.5°	6469.2	6362.0	7075.7	9123.8	12066.9	15729.6	18858.8	18921.2	17929.6	16975.6	15078.3
68°	5903.9	5935.7	6491.6	8514.9	11494.5	15361.0	18897.7	18993.1	17987.3	16874.4	14772.1
70°	3519.0	3580.3	4076.1	5862.7	8744.6	13275.3	18478.4	18696.3	17643.4	15829.7	12777.1
72.5°	898.6	971.6	1440.4	2624.0	4994.7	9353.4	15598.9	15967.5	15318.6	12841.8	8625.6
75°	369.8	388.6	514.7	864.4	1860.8	4213.9	10281.5	11070.6	10619.5	7688.2	3898.3
77.5°	255.6	268.5	330.9	479.3	805.6	1428.6	5040.6	5610.7	5054.8	2624.0	850.3
80°	183.7	194.3	236.7	319.2	462.8	510.0	1642.9	1899.7	1508.7	575.9	210.8
82.5°	109.5	117.8	176.7	227.3	281.5	243.8	408.7	464.0	436.9	286.2	94.2
85°	54.2	63.6	118.9	162.5	151.9	102.5	124.8	139.0	171.9	174.3	50.6
87.5°	3.5	7.1	69.5	97.8	42.4	23.6	36.5	44.8	61.2	86.0	21.2
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°	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6	2959.6
2.5°	2967.9	2969.0	2960.8	2957.3	2959.6	2945.5	2939.6	2941.9	2941.9	2945.5	2939.6
5°	2997.3	2997.3	2983.2	2964.3	2953.7	2926.6	2909.0	2904.3	2900.7	2898.4	2893.7
7.5°	3060.9	3053.8	3029.1	2987.9	2952.5	2893.7	2848.9	2825.3	2813.6	2808.9	2805.3
10°	3163.4	3150.4	3109.2	3032.6	2951.4	2846.5	2748.8	2679.3	2621.6	2598.0	2583.9
12.5°	3301.1	3282.3	3212.8	3085.6	2943.1	2750.0	2538.0	2334.2	2144.6	2066.9	2028.0
15°	3460.1	3433.1	3323.5	3130.4	2894.8	2532.1	2071.6	1714.8	1452.1	1353.2	1310.8
17.5°	3621.5	3586.2	3420.1	3158.6	2750.0	2081.0	1453.3	1097.6	922.2	875.0	858.6
20°	3784.0	3732.2	3503.7	3137.4	2422.6	1500.4	958.7	802.0	751.4	737.3	732.5
22.5°	3938.3	3858.2	3579.1	3055.0	1918.5	1006.9	758.5	709.0	692.5	684.3	681.9
25°	4072.6	3960.7	3645.0	2800.6	1357.9	760.8	683.1	666.6	645.4	630.1	631.3
27.5°	4198.6	4063.1	3685.1	2381.3	905.7	650.1	632.4	610.1	571.2	548.8	548.8
30°	4350.5	4199.7	3714.5	1832.5	666.6	574.7	560.6	526.4	473.4	444.0	444.0
32.5°	4579.0	4407.0	3695.7	1286.1	552.4	505.2	472.3	425.2	367.4	339.2	338.0
35°	4928.8	4727.4	3561.4	843.2	487.6	439.3	386.3	328.6	277.9	254.4	253.2
37.5°	5399.8	5156.1	3259.9	603.0	436.9	378.0	314.5	250.9	213.2	197.9	196.7
40°	6011.1	5654.2	2828.9	488.8	389.8	319.2	242.6	194.3	168.4	156.6	157.8
42.5°	6744.8	6187.7	2311.9	421.6	343.9	262.6	189.6	153.1	136.6	128.4	126.0
45°	7559.8	6714.2	1770.1	375.7	298.0	212.0	148.4	121.3	108.4	103.6	103.6
47.5°	8456.0	7226.5	1295.5	335.6	248.5	163.7	118.9	98.9	88.3	84.8	83.6
50°	9269.8	7582.2	933.9	293.3	203.7	129.5	96.6	82.4	75.4	70.7	70.7
52.5°	9948.2	7694.0	687.8	247.3	164.9	103.6	80.1	70.7	63.6	60.1	60.1
55°	10545.3	7648.1	511.1	203.7	133.1	84.8	68.3	60.1	54.2	50.6	50.6
57.5°	11117.7	7499.7	381.6	166.1	107.2	68.3	57.7	50.6	44.8	42.4	42.4
60°	11585.2	7252.4	283.8	134.3	86.0	55.4	48.3	41.2	36.5	33.0	33.0
62.5°	11964.4	6979.2	208.5	110.7	68.3	43.6	37.7	34.2	27.1	23.6	23.6
65°	11966.8	6525.7	156.6	91.9	53.0	34.2	28.3	27.1	17.7	14.1	13.0
67.5°	11101.2	5626.0	120.1	78.9	41.2	25.9	21.2	22.4	9.4	5.9	4.7
68°	10786.7	5397.5	113.1	77.7	38.9	24.7	20.0	22.4	8.2	4.7	3.5
70°	9094.3	4294.0	90.7	75.4	34.2	18.8	16.5	22.4	7.1	3.5	2.4
72.5°	5816.8	2492.1	67.1	60.1	25.9	14.1	10.6	20.0	7.1	2.4	1.2
75°	2475.6	772.6	45.9	42.4	15.3	10.6	7.1	13.0	4.7	1.2	0.0
77.5°	521.7	174.3	27.1	25.9	10.6	7.1	4.7	3.5	1.2	0.0	0.0
80°	134.3	50.6	14.1	13.0	5.9	3.5	2.4	0.0	0.0	0.0	0.0
82.5°	42.4	20.0	8.2	5.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.2	11.8	4.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.8	3.5	1.2	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)