

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: P323847

Luminaire Tested: **GAN-SA3C-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17526 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

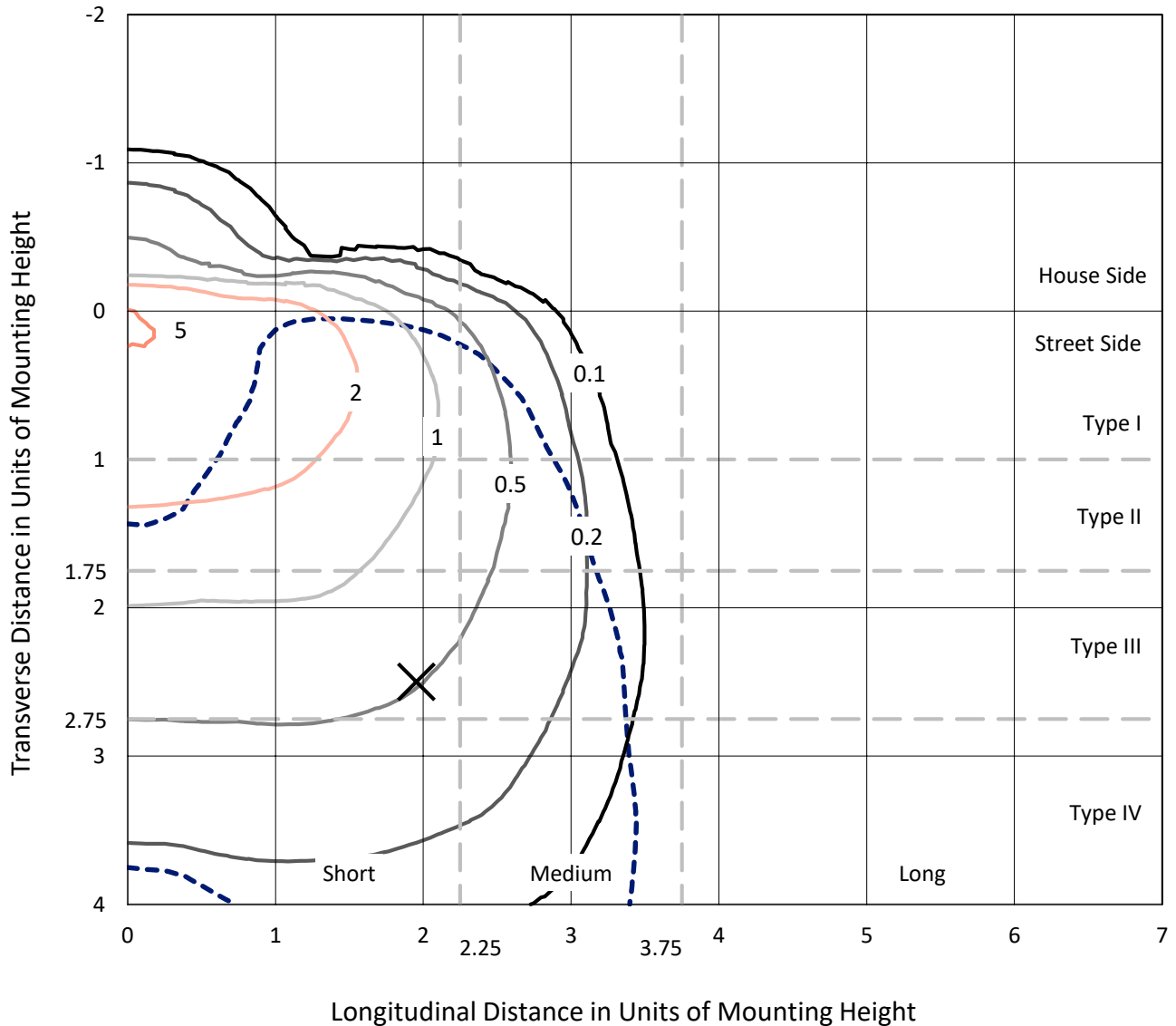
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

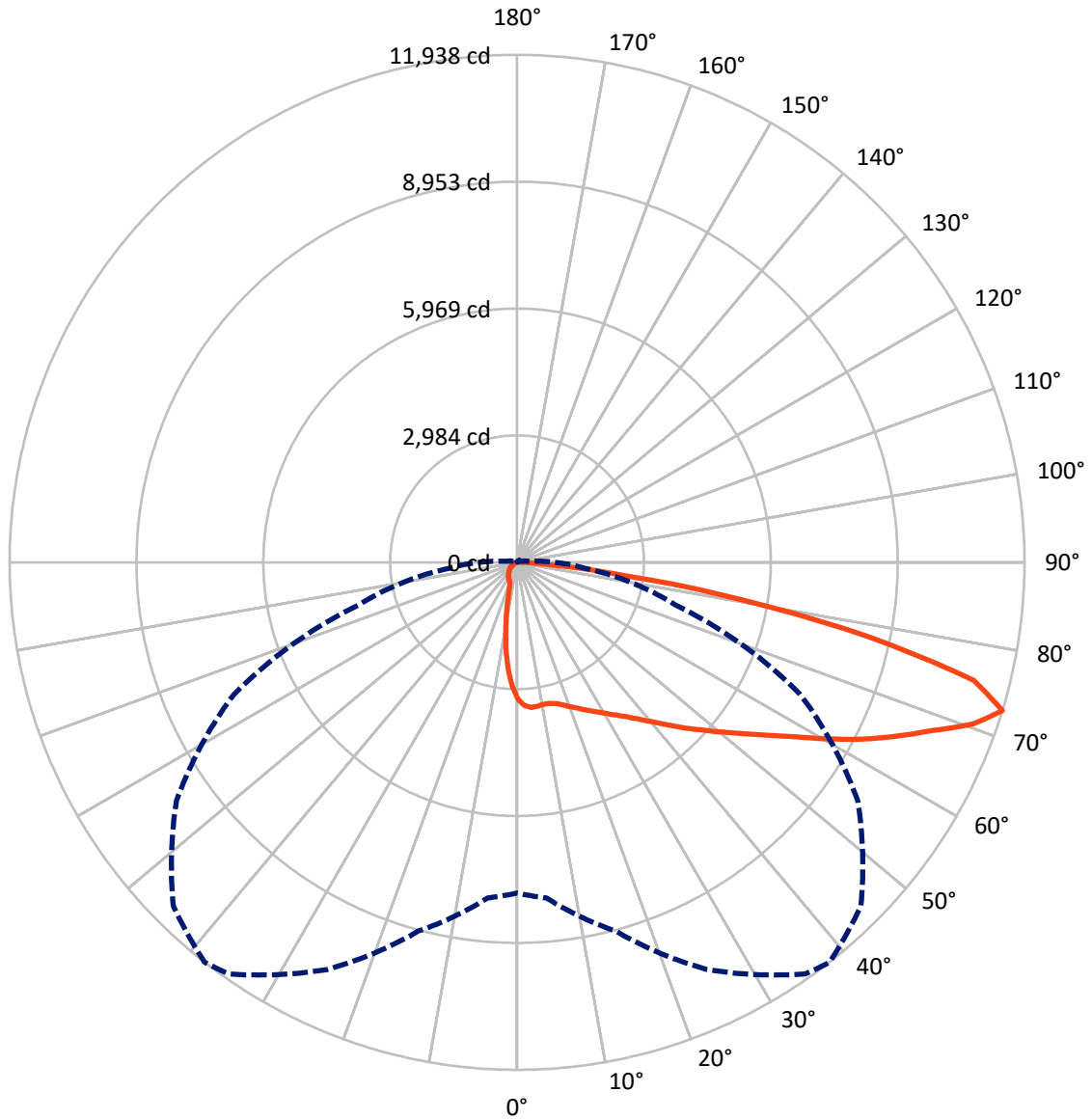
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1474.9	0.0	1474.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	16051.1	0.0	16051.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	17526.0	0.0	17526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	1.6
10°-20°	671.6	3.8
20°-30°	1068.2	6.1
30°-40°	1605.9	9.2
40°-50°	2449.9	14.0
50°-60°	3462.5	19.8
60°-70°	4343.2	24.8
70°-80°	3247.5	18.5
80°-90°	402.7	2.3
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°	17526.0	100.0
0°-180°	17526.0	100.0

Coefficient of Utilization

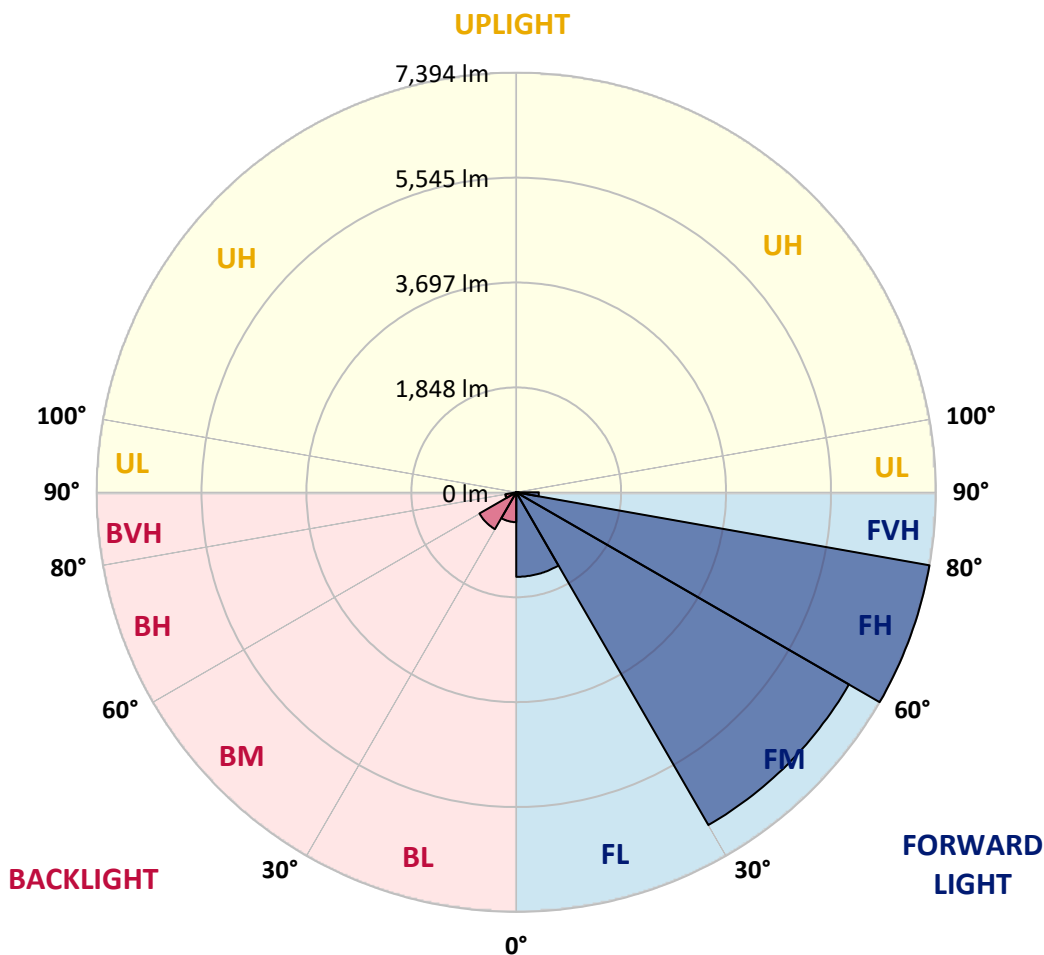


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1489.3	8.5			
FM (30°-60°)	6769.3	38.6			
FH (60°-80°)	7393.6	42.2			G3/7500
FVH (80°-90°)	398.9	2.3			G3/500
BL (0°-30°)	525.2	3.0	B2/1000		
BM (30°-60°)	749.0	4.3	B1/1000		
BH (60°-80°)	197.0	1.1	B1/500		G1/500
BVH (80°-90°)	3.8	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0
2.5°	3421.0	3421.7	3413.7	3400.6	3383.8	3375.1	3360.5	3337.2	3312.5	3268.1	3220.1
5°	3490.8	3490.8	3480.6	3463.2	3436.2	3428.2	3400.6	3363.5	3312.5	3240.4	3159.6
7.5°	3483.5	3485.0	3471.2	3453.0	3426.0	3418.8	3385.3	3343.8	3280.5	3193.1	3089.8
10°	3445.7	3449.3	3438.4	3429.7	3404.9	3396.9	3365.6	3324.1	3260.8	3167.7	3049.0
12.5°	3407.1	3410.8	3414.4	3422.4	3407.1	3404.2	3379.5	3344.5	3284.1	3187.3	3053.4
15°	3382.4	3389.7	3415.9	3447.2	3450.8	3447.9	3431.9	3399.1	3338.0	3237.5	3084.7
17.5°	3382.4	3394.0	3448.6	3508.3	3529.4	3531.6	3517.8	3471.9	3399.1	3291.4	3113.8
20°	3410.8	3426.8	3511.9	3596.4	3631.3	3631.3	3604.4	3540.3	3455.2	3340.2	3133.4
22.5°	3483.5	3504.7	3611.7	3709.2	3746.3	3738.3	3701.9	3608.7	3513.4	3395.5	3158.2
25°	3626.9	3643.0	3754.3	3852.6	3875.1	3856.9	3811.1	3691.7	3587.6	3470.4	3203.3
27.5°	3811.8	3814.0	3929.0	4012.0	3998.1	3985.8	3928.3	3795.8	3694.6	3577.4	3281.2
30°	4014.9	4014.9	4116.1	4179.4	4137.2	4127.0	4069.5	3921.7	3831.5	3723.0	3391.8
32.5°	4211.4	4220.1	4302.4	4342.4	4295.1	4284.9	4228.9	4081.1	4013.4	3945.0	3564.3
35°	4401.4	4407.9	4485.8	4507.7	4462.5	4465.4	4425.4	4300.2	4274.7	4266.0	3824.2
37.5°	4585.5	4587.0	4666.3	4680.2	4657.6	4682.3	4686.0	4575.3	4622.7	4693.3	4190.3
40°	4753.7	4755.1	4833.7	4869.4	4908.0	4940.0	4968.4	4909.4	5065.9	5229.7	4626.3
42.5°	4888.3	4903.6	5003.3	5071.0	5172.9	5234.1	5311.2	5308.3	5593.6	5839.6	5153.3
45°	5007.0	5033.2	5172.2	5290.8	5465.5	5563.1	5683.9	5778.5	6187.6	6518.7	5686.8
47.5°	5163.5	5188.2	5346.9	5541.2	5774.1	5902.2	6102.4	6306.9	6840.4	7185.5	6207.9
50°	5384.0	5373.1	5529.6	5808.3	6107.5	6275.6	6560.9	6867.4	7488.2	7766.3	6514.4
52.5°	5619.1	5614.7	5730.5	6098.8	6500.5	6697.1	7074.1	7446.8	8107.7	8166.6	6654.8
55°	5910.2	5878.9	5976.5	6429.9	6967.1	7178.2	7622.2	8020.3	8601.1	8392.3	6725.4
57.5°	6215.2	6163.5	6256.7	6799.0	7493.3	7743.0	8229.2	8579.3	8929.4	8546.6	6724.7
60°	6530.4	6469.2	6579.9	7260.4	8147.0	8435.9	8887.2	8957.1	9235.8	8624.4	6675.2
62.5°	6793.9	6757.5	6922.0	7753.9	8877.0	9160.9	9384.3	9300.6	9494.2	8684.9	6559.5
65°	7072.6	7074.8	7340.5	8329.7	9652.9	9844.3	9863.3	9746.1	9710.4	8672.5	6167.9
67.5°	7449.7	7484.6	7927.9	9111.4	10407.7	10555.5	10554.0	10228.6	9868.4	8180.4	5299.6
70°	7848.5	7930.8	8604.8	10005.9	11231.6	11381.6	11304.4	10535.8	9291.9	6614.8	3750.7
72.5°	7781.6	7924.2	8981.1	10570.0	11823.4	11937.7	11436.2	9781.0	7344.1	3844.6	1596.9
75°	6003.4	6168.6	8235.0	10011.0	11202.5	11099.9	9826.1	7611.3	4013.4	1072.9	359.6
77.5°	3171.3	3259.4	5440.0	7626.5	8735.1	8520.4	6922.0	4222.3	1223.5	265.7	161.6
80°	1661.0	1681.4	2370.6	4327.1	5391.3	5392.7	4102.2	1854.6	504.4	136.1	108.5
82.5°	889.4	906.9	1252.7	1999.4	2824.8	2560.6	1570.7	1020.5	293.3	77.2	104.1
85°	214.0	217.6	710.4	913.5	1110.7	793.4	466.6	856.7	79.3	45.1	84.4
87.5°	82.2	83.7	263.5	395.2	283.1	183.4	218.4	319.5	10.2	17.5	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°	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0
2.5°	3190.9	3172.0	3125.4	3066.5	3014.1	2976.2	2919.5	2882.3	2857.6	2856.9	2847.4
5°	3110.2	3071.6	2971.1	2851.8	2743.3	2645.8	2530.8	2439.8	2372.1	2361.2	2337.9
7.5°	3023.5	2960.2	2805.9	2619.6	2437.6	2252.7	2038.0	1904.8	1790.5	1736.0	1730.1
10°	2970.4	2881.6	2662.5	2393.2	2107.9	1807.3	1526.3	1332.0	1191.5	1151.5	1121.6
12.5°	2959.5	2842.3	2551.9	2180.7	1773.1	1375.7	1064.9	858.1	746.1	710.4	700.9
15°	2970.4	2824.1	2458.7	1970.3	1433.9	976.1	714.8	594.7	552.4	542.3	541.5
17.5°	2977.0	2802.3	2353.2	1736.7	1104.9	697.3	547.4	512.4	505.9	505.1	506.6
20°	2976.2	2768.8	2227.3	1476.1	821.8	548.1	494.9	487.7	486.2	486.9	486.2
22.5°	2971.1	2729.5	2089.0	1207.5	620.9	489.9	472.4	468.0	467.3	467.3	467.3
25°	2980.6	2698.2	1936.8	950.6	511.7	462.9	452.0	448.4	447.6	447.6	446.2
27.5°	3014.8	2680.7	1770.2	731.5	462.2	438.9	430.2	429.4	427.3	426.5	428.0
30°	3070.1	2680.7	1587.5	569.2	432.4	414.2	407.6	406.1	405.4	404.7	405.4
32.5°	3167.7	2701.1	1388.0	473.1	404.0	386.5	382.1	384.3	382.1	382.1	382.1
35°	3343.8	2762.2	1179.1	412.7	374.1	359.6	355.2	358.1	356.7	356.7	355.9
37.5°	3600.7	2875.8	968.8	376.3	347.9	332.6	326.8	331.2	329.7	329.7	329.0
40°	3913.7	3041.0	768.6	348.6	322.4	306.4	301.3	303.5	299.9	299.9	301.3
42.5°	4300.2	3250.6	593.9	321.7	297.0	281.7	278.8	276.6	270.0	266.4	267.1
45°	4729.6	3469.0	462.9	295.5	272.9	260.6	256.2	250.4	239.5	232.2	232.9
47.5°	5113.2	3637.1	376.3	270.0	251.1	241.7	235.1	224.2	208.2	199.4	200.2
50°	5314.8	3662.6	320.3	244.6	230.7	221.3	211.8	195.1	176.1	166.7	166.0
52.5°	5366.5	3543.2	278.8	221.3	210.4	199.4	187.1	164.5	143.4	133.2	131.7
55°	5385.5	3361.3	241.7	199.4	188.5	176.1	160.1	134.7	115.0	104.8	104.1
57.5°	5322.9	3089.8	212.5	179.8	166.7	151.4	131.7	107.7	88.8	80.8	80.8
60°	5183.8	2722.2	190.0	158.7	144.1	126.6	106.3	83.7	66.2	59.7	59.7
62.5°	4906.5	2246.2	168.9	136.8	123.0	104.8	85.9	63.3	46.6	42.9	43.7
65°	4383.2	1703.9	147.8	117.2	104.8	86.6	67.0	45.1	31.3	31.3	32.8
67.5°	3574.5	1183.5	125.9	99.7	90.3	70.6	51.0	31.3	21.8	24.7	27.7
70°	2366.3	663.8	107.7	82.2	77.2	56.0	37.8	21.1	17.5	23.3	28.4
72.5°	893.1	258.4	90.3	66.2	67.0	42.9	26.9	16.0	16.0	25.5	33.5
75°	248.9	126.6	64.8	48.8	52.4	31.3	19.7	13.8	15.3	29.1	39.3
77.5°	146.3	93.2	42.2	28.4	35.7	21.8	13.1	10.9	13.1	24.7	37.8
80°	117.9	49.5	24.7	14.6	19.7	12.4	8.7	6.6	3.6	9.5	19.7
82.5°	117.9	29.8	11.6	10.2	10.2	6.6	4.4	2.9	0.7	0.0	5.1
85°	79.3	12.4	7.3	6.6	5.1	2.2	1.5	0.7	0.0	0.0	0.0
87.5°	13.1	5.1	2.9	1.5	0.7	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)