

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: P323486

Luminaire Tested: **GAN-SA2C-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11260 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

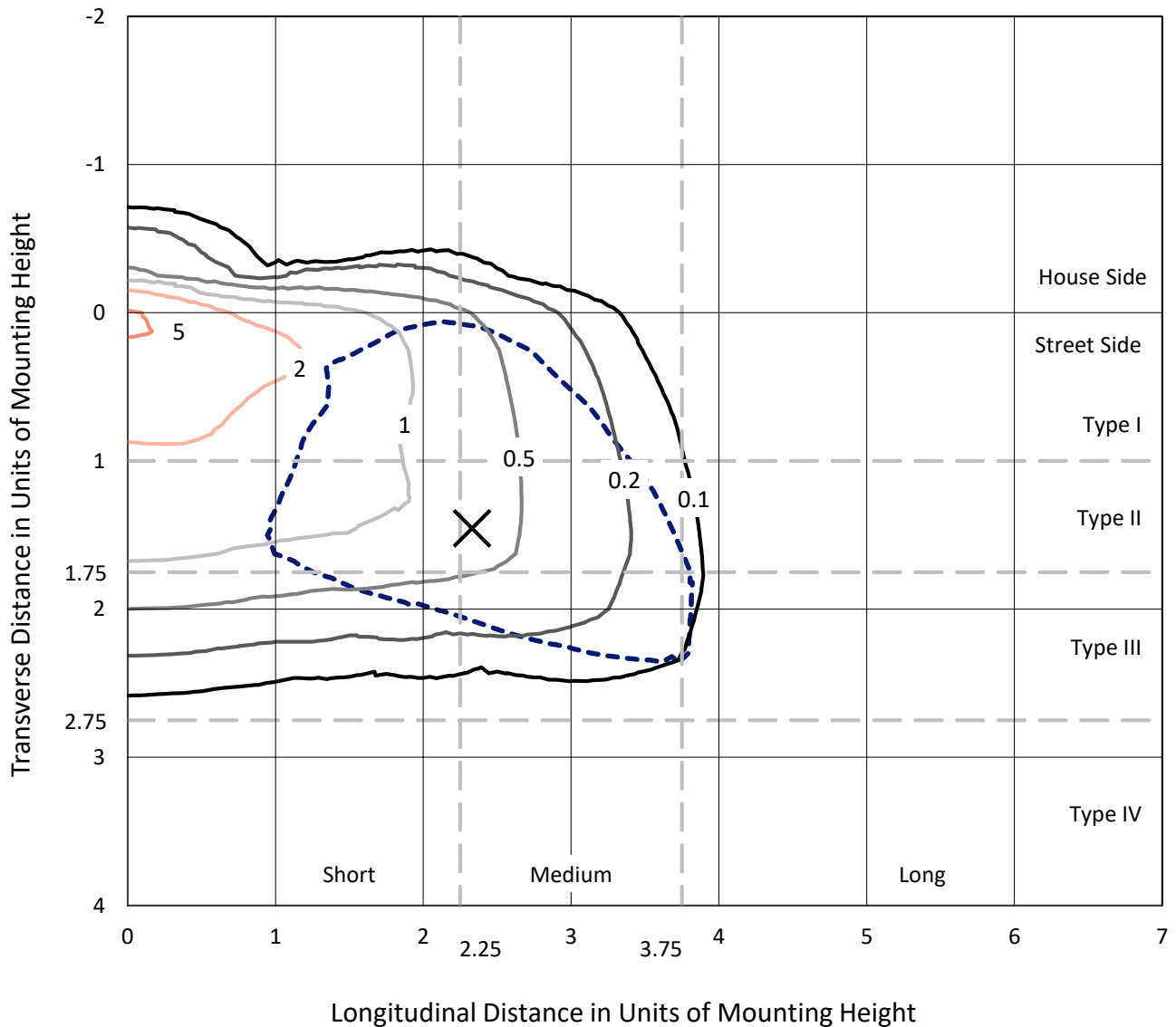
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

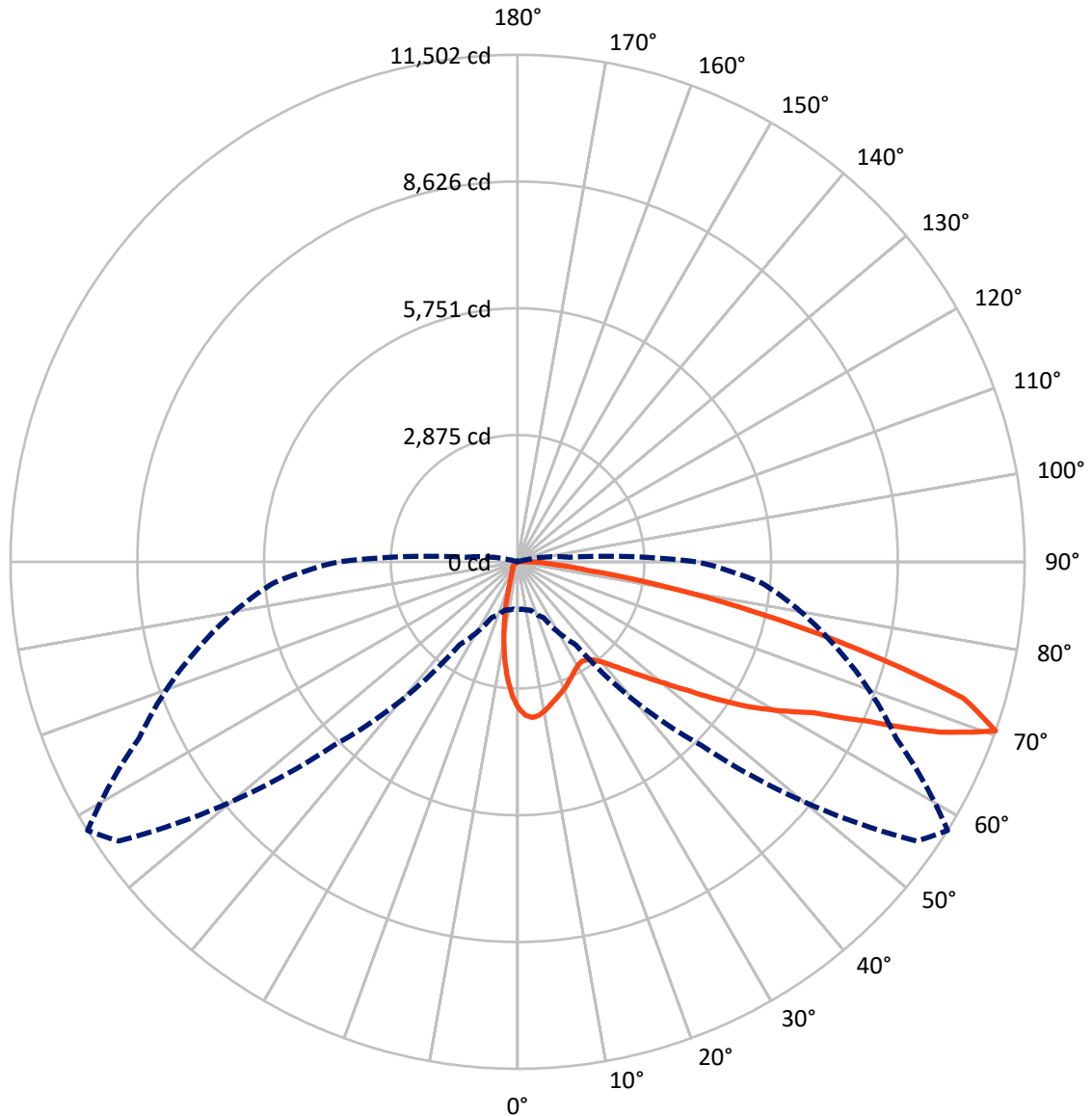
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.6	0.0	963.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	10296.4	0.0	10296.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	11260.0	0.0	11260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.0	2.4
10°-20°	570.9	5.1
20°-30°	750.5	6.7
30°-40°	993.9	8.8
40°-50°	1485.6	13.2
50°-60°	2379.9	21.1
60°-70°	2999.8	26.6
70°-80°	1618.1	14.4
80°-90°	189.4	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°	11260.0	100.0
0°-180°	11260.0	100.0

Coefficient of Utilization

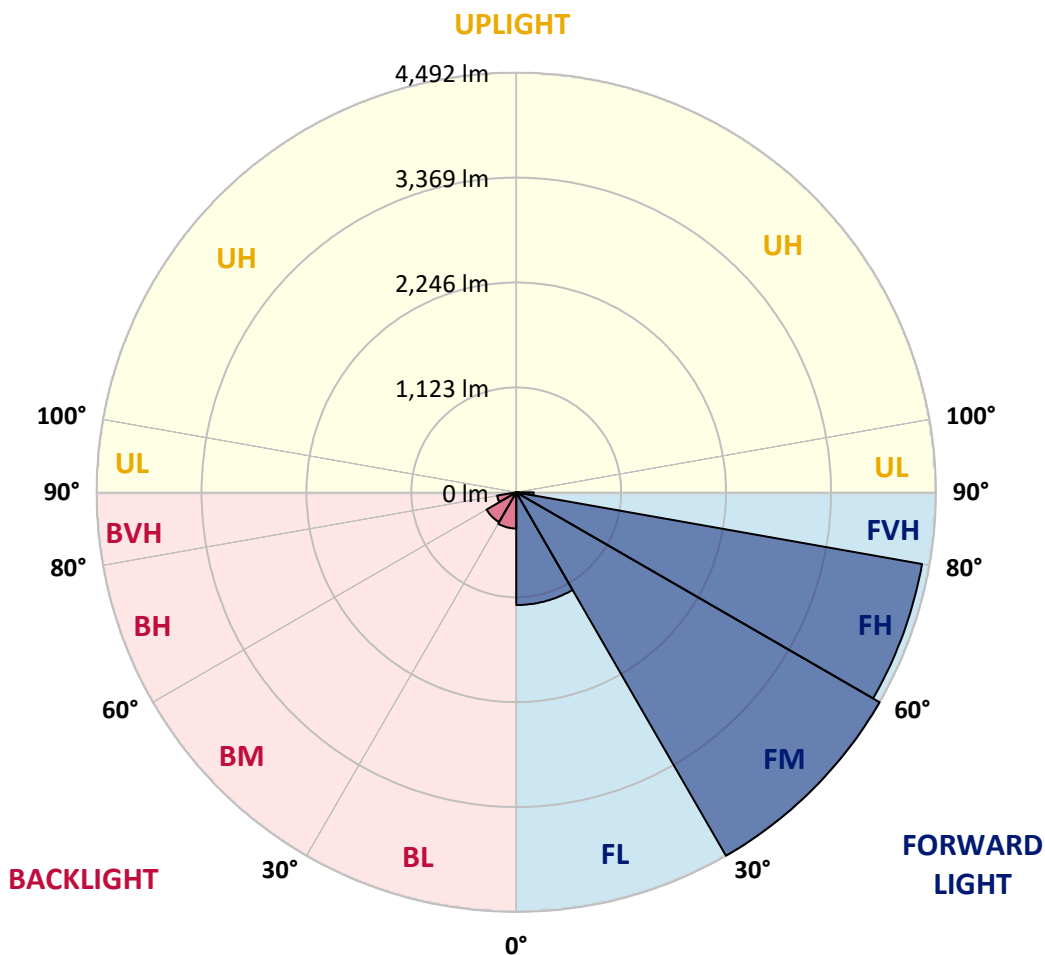


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1206.2	10.7			
FM (30°-60°)	4491.8	39.9			
FH (60°-80°)	4410.7	39.2			G2/5000
FVH (80°-90°)	187.8	1.7			G2/225
BL (0°-30°)	387.1	3.4	B1/500		
BM (30°-60°)	367.6	3.3	B1/1000		
BH (60°-80°)	207.2	1.8	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2
2.5°	3601.9	3593.0	3589.8	3584.1	3562.6	3541.5	3499.9	3488.2	3461.9	3399.7	3333.6
5°	3604.7	3604.3	3614.1	3611.8	3604.3	3594.4	3564.5	3549.0	3504.5	3415.6	3294.8
7.5°	3431.0	3439.9	3461.9	3479.7	3500.3	3527.0	3530.8	3515.8	3479.3	3383.3	3223.1
10°	3197.9	3211.9	3242.8	3277.9	3331.8	3385.1	3432.9	3431.0	3418.4	3323.8	3137.0
12.5°	2964.2	2980.6	3016.2	3068.2	3144.5	3231.6	3316.8	3328.5	3349.6	3270.4	3057.4
15°	2759.6	2773.7	2808.8	2872.5	2967.0	3084.1	3209.1	3230.6	3284.9	3228.8	2990.9
17.5°	2585.9	2594.8	2620.6	2691.3	2800.8	2942.7	3105.2	3147.3	3228.3	3196.0	2933.3
20°	2464.6	2466.1	2482.9	2532.5	2642.1	2800.8	2997.5	3057.9	3168.4	3167.9	2873.9
22.5°	2404.7	2400.0	2403.3	2431.9	2512.4	2665.5	2889.8	2961.4	3114.5	3144.0	2813.5
25°	2393.5	2389.7	2380.4	2384.1	2432.8	2547.1	2781.2	2864.0	3067.2	3129.5	2761.0
27.5°	2428.6	2432.3	2416.4	2399.6	2403.3	2470.3	2684.7	2780.7	3028.8	3129.5	2724.0
30°	2499.3	2501.2	2489.5	2467.5	2438.0	2448.7	2617.8	2713.7	3009.6	3151.0	2700.6
32.5°	2577.5	2587.8	2586.4	2568.6	2526.5	2482.9	2601.8	2689.4	3008.2	3198.8	2698.3
35°	2674.4	2686.1	2705.8	2702.0	2658.0	2586.4	2656.1	2725.0	3035.9	3277.5	2723.6
37.5°	2777.4	2795.2	2837.3	2857.5	2828.9	2747.9	2777.9	2827.0	3109.8	3404.8	2787.7
40°	2877.1	2897.3	2974.1	3053.2	3031.6	2948.3	2962.4	3001.7	3241.4	3587.9	2909.4
42.5°	2975.0	3005.0	3117.8	3248.0	3273.7	3207.2	3214.7	3246.1	3436.6	3839.8	3108.4
45°	3092.0	3125.8	3292.9	3453.5	3522.3	3493.3	3525.1	3545.7	3691.8	4172.7	3376.7
47.5°	3263.9	3302.7	3507.8	3690.9	3811.7	3830.4	3894.6	3908.1	4014.4	4560.3	3726.5
50°	3599.1	3609.9	3795.3	3961.5	4135.7	4248.1	4321.1	4331.4	4404.9	4984.1	4163.3
52.5°	4021.0	4028.0	4132.9	4244.3	4442.4	4671.8	4842.7	4857.2	4872.6	5397.0	4594.5
55°	4440.0	4439.1	4508.4	4573.9	4800.5	5133.9	5504.7	5513.6	5402.7	5788.9	4924.1
57.5°	4701.7	4727.0	4832.4	4916.7	5233.2	5660.6	6175.2	6208.0	5959.4	6079.2	5250.0
60°	4618.4	4630.6	4864.2	5176.0	5772.1	6409.3	6853.6	6862.1	6377.9	6369.0	5662.0
62.5°	3934.8	3941.4	4308.5	4951.3	6045.0	7380.4	7672.1	7534.9	6859.2	6771.2	6155.1
65°	2696.9	2739.5	3046.2	3840.7	5543.6	7989.5	8939.0	8711.9	7592.9	7350.9	6600.8
67.5°	1588.2	1579.3	1731.0	2316.2	4071.5	7585.0	10541.7	10316.0	8593.5	7739.0	6470.2
70°	1084.8	1078.8	1136.8	1402.3	2298.4	5884.0	11046.0	11501.5	9477.0	7477.8	5568.4
72.5°	774.4	777.7	863.4	1089.5	1443.0	3428.2	9499.0	10577.3	9200.3	6518.9	4232.6
75°	525.8	534.7	657.4	893.8	1265.1	1744.1	6740.8	8040.5	7491.8	4737.8	2432.8
77.5°	282.8	292.6	437.3	720.1	1143.8	1211.7	4336.1	5533.8	4706.0	2129.9	705.1
80°	118.0	123.6	204.6	523.5	988.4	1064.2	2551.3	3355.6	2005.3	420.0	157.3
82.5°	51.0	53.8	85.2	312.3	738.8	898.5	1350.8	1614.4	607.7	92.2	79.1
85°	9.8	10.3	35.1	165.3	471.5	507.1	875.5	858.2	273.0	39.8	57.6
87.5°	0.0	0.0	8.4	52.0	138.6	276.2	534.2	527.7	92.7	19.2	21.5
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°	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2	3326.2
2.5°	3299.9	3267.6	3199.7	3115.9	3051.8	2981.1	2924.9	2853.7	2822.8	2824.2	2807.4
5°	3226.0	3159.5	3009.2	2819.5	2673.5	2522.7	2393.0	2263.8	2187.5	2162.7	2139.2
7.5°	3120.1	3014.8	2775.1	2482.9	2235.7	1994.1	1783.9	1598.9	1481.9	1424.8	1403.7
10°	3000.7	2852.8	2505.9	2121.0	1768.0	1441.1	1168.6	931.7	837.2	773.0	756.6
12.5°	2895.9	2695.5	2242.7	1749.7	1330.6	936.4	676.6	529.1	464.9	439.6	435.4
15°	2797.1	2548.5	1989.4	1413.5	921.4	576.4	430.3	380.2	365.2	361.0	361.0
17.5°	2703.9	2408.5	1741.7	1082.5	609.6	404.1	356.3	345.1	340.4	339.9	340.4
20°	2606.5	2268.5	1498.3	793.1	425.6	342.3	329.2	323.1	321.7	321.7	321.7
22.5°	2513.3	2128.5	1261.4	566.5	341.3	312.3	305.7	301.5	300.1	299.7	298.7
25°	2423.9	1995.5	1030.1	400.3	299.7	286.1	280.5	274.8	270.6	268.3	266.9
27.5°	2350.4	1877.0	814.7	321.2	270.6	258.9	251.9	243.5	233.2	228.5	226.6
30°	2291.9	1768.9	627.9	271.1	243.5	231.8	221.0	206.5	191.5	183.5	183.1
32.5°	2246.0	1662.6	476.6	239.7	219.1	204.6	189.2	170.9	153.6	144.7	144.2
35°	2223.5	1569.0	364.3	216.8	197.6	179.3	160.1	140.0	123.1	114.7	113.8
37.5°	2238.5	1489.8	284.2	197.6	179.3	158.3	135.8	114.7	99.7	92.2	91.8
40°	2293.3	1439.3	230.8	181.2	163.9	138.1	113.8	94.1	81.5	75.4	74.9
42.5°	2409.9	1420.5	197.1	167.6	148.9	119.4	94.6	77.7	66.0	61.8	60.9
45°	2604.6	1448.2	174.2	154.5	133.4	101.6	78.2	63.7	53.4	50.1	49.6
47.5°	2864.0	1520.7	157.8	141.9	119.4	85.7	65.1	51.5	43.5	40.3	39.8
50°	3198.3	1635.9	144.2	129.2	106.3	72.6	53.8	40.7	33.7	31.4	31.4
52.5°	3562.1	1773.1	132.0	117.5	93.2	60.4	43.5	31.4	26.7	23.9	23.9
55°	3862.7	1893.0	118.9	108.6	77.3	50.1	33.2	23.9	19.7	18.3	18.3
57.5°	4162.8	2020.8	103.9	93.2	61.8	40.7	25.3	17.8	14.5	13.6	13.6
60°	4551.9	2177.2	89.4	75.8	48.7	30.9	18.7	12.6	10.8	10.3	10.3
62.5°	4979.9	2268.9	76.3	60.9	37.9	22.9	13.6	8.4	8.0	8.0	7.5
65°	5241.6	2139.2	64.1	48.7	29.5	17.3	8.9	6.1	7.0	6.6	5.6
67.5°	4907.8	1674.8	52.4	37.9	22.9	13.1	5.6	4.2	7.5	6.1	4.7
70°	4063.6	1172.4	40.7	26.7	18.3	11.2	3.7	2.8	8.0	6.1	3.7
72.5°	3041.0	784.7	32.3	17.8	13.6	9.8	3.3	1.4	7.0	5.2	3.3
75°	1661.7	316.0	25.8	11.2	8.4	7.0	2.3	0.9	4.7	3.7	2.3
77.5°	437.3	83.3	18.7	7.5	4.7	2.8	1.4	0.5	2.3	1.9	0.9
80°	111.4	32.3	12.2	5.2	3.3	1.4	0.0	0.0	0.5	0.0	0.0
82.5°	59.5	13.6	7.5	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	44.9	8.9	4.2	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.3	2.8	1.4	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)