

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: P321950

Luminaire Tested: **GAN-SA6A-750-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19828 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

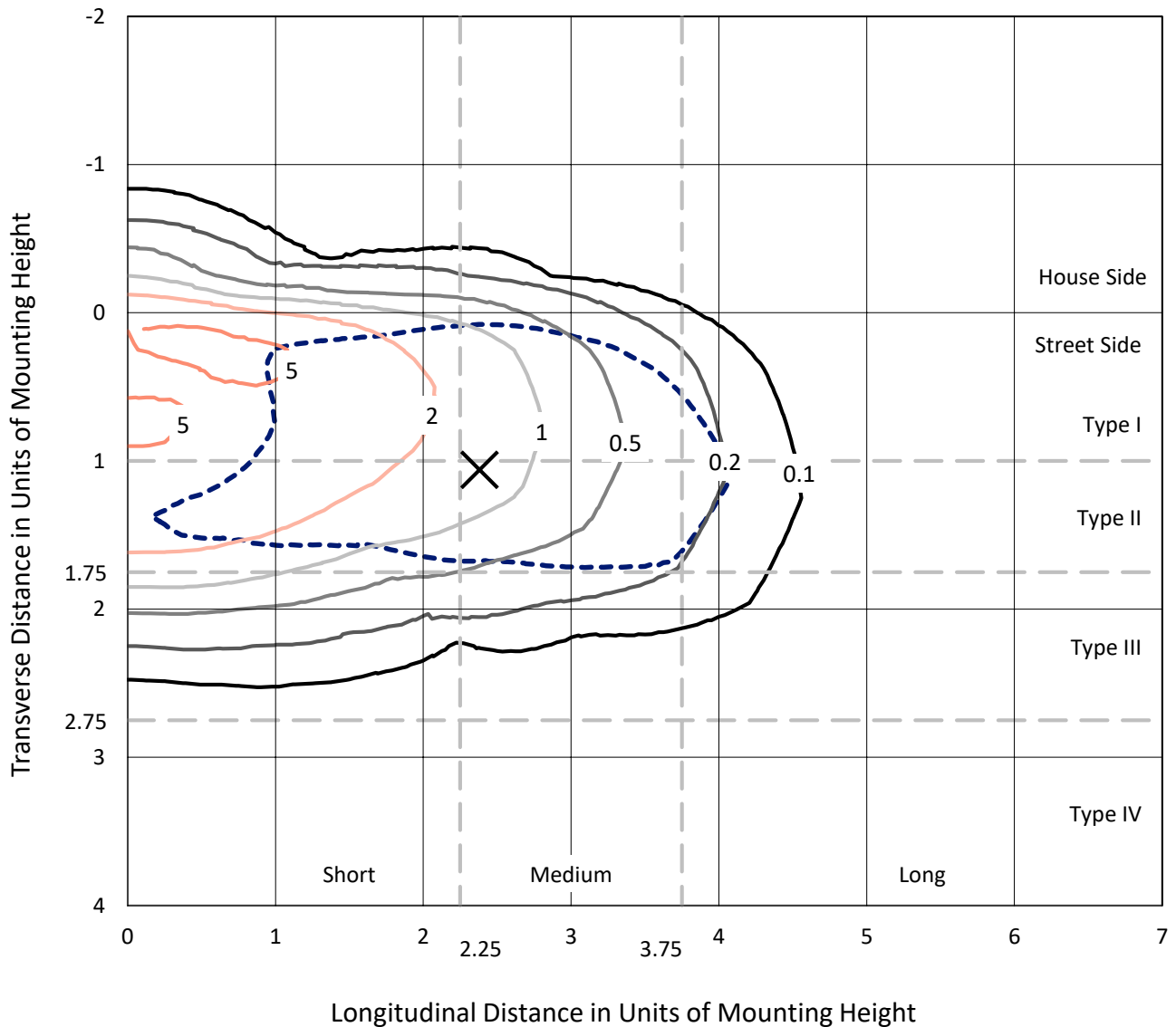
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

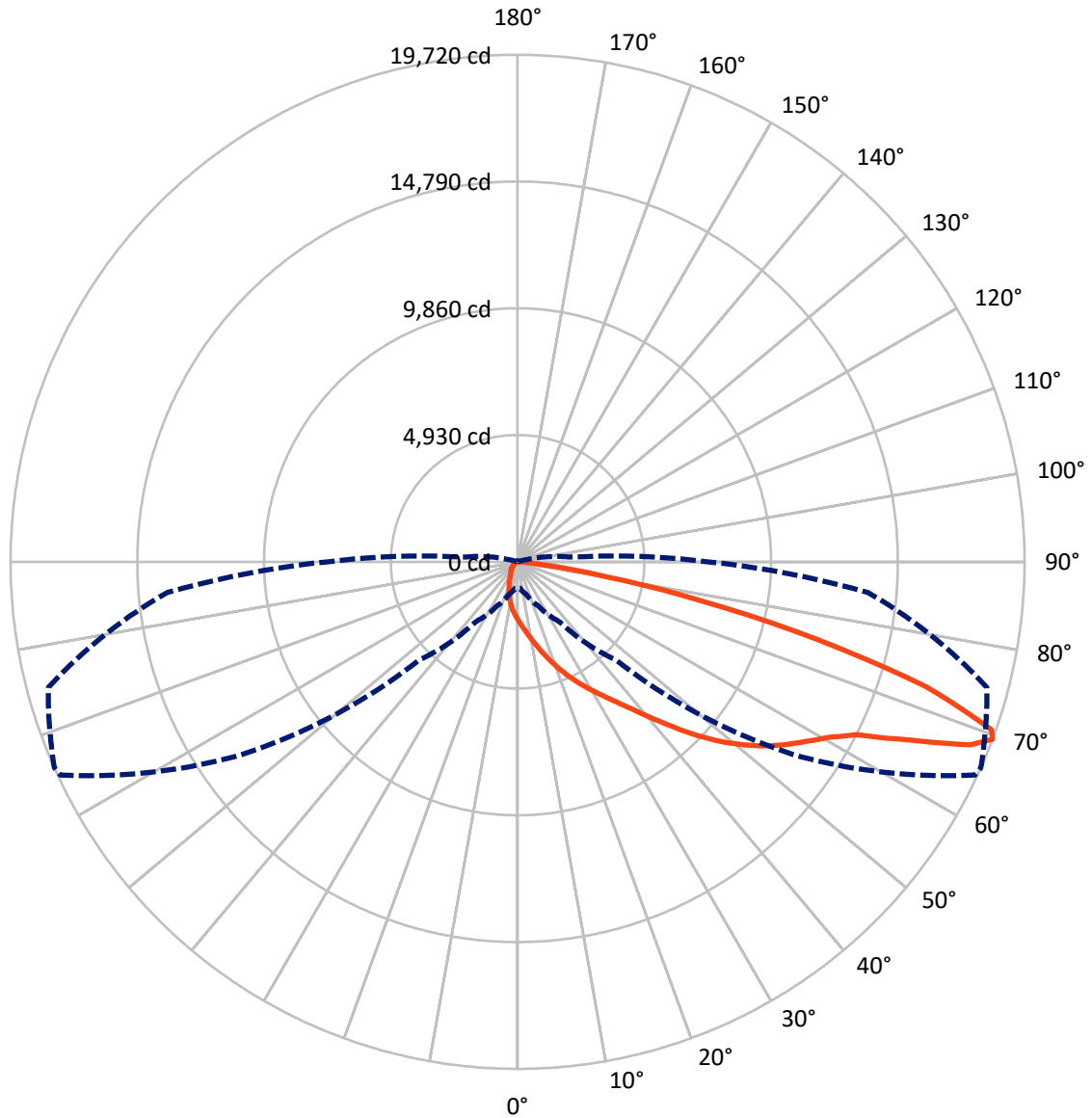
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1189.4	0.0	1189.4
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	18638.6	0.0	18638.6
	% Fixture	94.0	0.0	94.0
Total	Lumens	19828.0	0.0	19828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	1.1
10°-20°	649.2	3.3
20°-30°	1130.4	5.7
30°-40°	1983.3	10.0
40°-50°	3319.8	16.7
50°-60°	4879.8	24.6
60°-70°	5010.3	25.3
70°-80°	2473.5	12.5
80°-90°	163.5	0.8
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°	19828.0	100.0
0°-180°	19828.0	100.0

Coefficient of Utilization

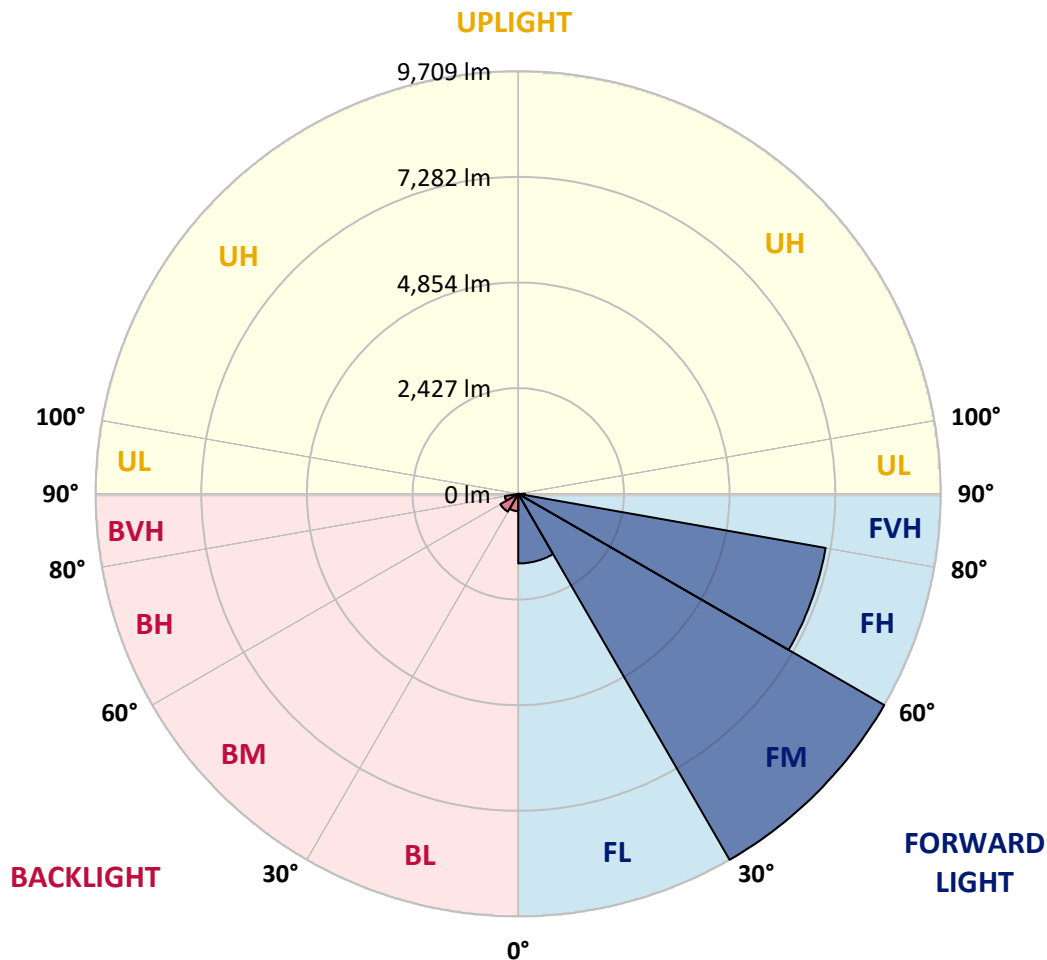


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1599.9	8.1			
FM (30°-60°)	9708.7	49.0			
FH (60°-80°)	7170.3	36.2			G3/7500
FVH (80°-90°)	159.6	0.8			G2/225
BL (0°-30°)	397.8	2.0	B1/500		
BM (30°-60°)	474.2	2.4	B1/1000		
BH (60°-80°)	313.4	1.6	B1/500		G1/500
BVH (80°-90°)	4.0	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-G3
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2655.8	2644.5	2639.8	2619.1	2583.3	2556.0	2503.2	2442.0	2430.7	2371.4	2298.9
5°	3000.5	2991.1	2984.5	2955.3	2918.6	2849.8	2753.7	2639.8	2618.1	2505.1	2360.1
7.5°	3240.6	3257.6	3257.6	3238.8	3192.6	3140.8	3023.1	2867.7	2840.4	2667.1	2442.0
10°	3381.0	3401.7	3417.7	3433.7	3427.1	3406.4	3295.3	3120.1	3087.1	2857.3	2537.1
12.5°	3394.2	3414.9	3460.1	3526.9	3591.9	3639.0	3569.3	3399.8	3362.1	3077.7	2650.2
15°	3320.7	3342.4	3412.0	3542.0	3699.3	3836.8	3859.4	3709.6	3671.0	3340.5	2791.4
17.5°	3192.6	3206.7	3306.6	3486.4	3733.2	3985.6	4122.1	4042.1	4006.3	3640.9	2948.7
20°	3097.5	3107.9	3195.4	3388.5	3712.5	4078.8	4370.8	4395.3	4357.6	3963.0	3119.2
22.5°	3260.4	3279.3	3282.1	3373.4	3656.0	4125.0	4589.3	4742.8	4714.5	4304.8	3286.8
25°	3705.9	3727.5	3656.0	3599.5	3704.0	4145.7	4776.7	5098.8	5076.2	4673.1	3455.4
27.5°	4294.5	4317.1	4224.8	4056.2	3955.5	4223.9	4943.4	5460.4	5459.5	5063.0	3637.1
30°	4872.7	4895.3	4801.2	4632.6	4400.9	4445.2	5087.5	5839.0	5844.6	5465.1	3830.2
32.5°	5479.2	5507.5	5410.5	5193.9	4951.8	4827.5	5289.9	6219.5	6251.5	5931.3	4047.7
35°	6168.6	6172.4	6035.8	5808.9	5530.1	5338.9	5614.9	6646.1	6722.4	6508.6	4323.7
37.5°	6844.8	6872.1	6760.1	6402.2	6146.0	5929.4	6098.0	7179.1	7287.4	7214.0	4684.4
40°	7345.8	7403.3	7387.3	7001.1	6758.2	6603.7	6697.9	7813.0	7950.5	8035.2	5139.3
42.5°	7660.4	7703.7	7777.2	7544.6	7324.2	7349.6	7406.1	8551.3	8720.8	8971.3	5661.9
45°	8021.1	8041.8	8103.0	8000.4	7851.6	8107.7	8157.6	9382.9	9560.9	9978.1	6242.1
47.5°	8461.8	8510.8	8527.8	8433.6	8365.8	8778.3	8881.9	10139.1	10388.7	11056.4	6856.1
50°	9023.1	9036.3	9065.5	9004.3	8936.5	9354.6	9531.7	10933.1	11160.0	12138.5	7461.7
52.5°	9572.2	9619.3	9721.0	9682.4	9655.1	9845.3	10110.9	11648.8	11902.1	13040.7	8066.3
55°	9730.4	9770.9	10122.2	10362.3	10584.6	10449.9	10664.6	12290.1	12564.2	13846.9	8648.3
57.5°	9098.5	9180.4	9788.8	10414.1	11336.1	11389.8	11425.6	12948.4	13194.3	14464.7	9253.9
60°	7501.2	7517.2	8515.5	9588.2	11211.8	12210.1	12536.9	13655.7	13862.0	15040.1	9979.0
62.5°	4771.0	4934.0	6029.2	7543.6	9897.1	12091.4	13880.8	14725.6	14800.9	15730.4	11018.8
65°	2272.5	2378.0	3167.2	4660.8	7168.8	10572.4	14808.5	16660.9	16694.8	17098.8	12407.9
67.5°	1258.2	1309.1	1684.8	2508.9	4190.9	7476.7	14433.6	18953.2	18985.2	18496.4	13626.5
69°	984.2	1027.5	1323.2	1891.1	2841.3	5373.8	13061.5	19624.7	19719.8	18896.7	13669.8
70°	835.4	877.7	1139.5	1597.2	2284.7	4152.3	11626.2	19458.0	19558.8	18859.0	13346.8
72.5°	511.4	535.9	759.1	1124.5	1531.3	2088.9	7169.7	16455.6	16626.1	17299.4	11470.8
75°	344.7	357.9	474.7	776.0	1095.3	1075.5	3724.7	11598.9	11968.1	13457.0	8472.2
77.5°	246.7	259.0	318.3	502.0	767.5	710.1	1686.7	7208.3	7287.4	8071.0	4620.3
80°	140.3	151.6	225.1	298.5	520.8	473.7	670.5	3443.1	3482.7	3461.0	1542.6
82.5°	73.5	82.9	123.4	196.8	334.3	309.8	278.8	1152.7	1158.4	963.4	338.1
85°	14.1	17.0	61.2	134.7	172.3	134.7	114.0	270.3	275.9	243.9	83.8
87.5°	0.0	0.9	24.5	30.1	33.9	34.8	36.7	52.7	56.5	76.3	22.6
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°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2266.8	2232.9	2168.0	2092.6	2034.2	1976.8	1931.6	1884.5	1867.5	1859.1	1858.1
5°	2289.5	2217.9	2080.4	1939.1	1823.3	1714.0	1635.9	1561.5	1526.6	1510.6	1504.0
7.5°	2327.1	2212.2	1990.9	1775.2	1608.5	1472.0	1363.7	1282.7	1242.2	1225.2	1218.7
10°	2371.4	2204.7	1886.4	1602.0	1389.1	1247.9	1140.5	1060.4	1016.2	997.3	987.9
12.5°	2423.2	2191.5	1765.8	1426.8	1201.7	1060.4	930.5	831.6	780.7	759.1	748.7
15°	2487.2	2178.3	1639.6	1262.0	1036.9	864.5	722.3	655.5	645.1	641.3	642.3
17.5°	2550.3	2157.6	1502.1	1099.1	863.6	675.3	602.7	599.0	600.9	600.9	600.9
20°	2606.8	2110.5	1352.4	959.7	698.8	569.8	554.7	548.1	543.4	539.6	534.9
22.5°	2651.1	2047.4	1208.3	821.2	570.7	521.7	498.2	477.5	460.5	449.2	443.6
25°	2681.2	1963.6	1076.4	688.4	513.3	474.7	432.3	397.4	371.1	355.0	348.5
27.5°	2703.8	1873.2	958.7	576.4	473.7	420.0	364.5	323.0	295.7	281.6	275.9
30°	2719.8	1770.5	855.1	506.7	429.4	362.6	303.3	262.8	243.0	235.4	231.7
32.5°	2734.9	1656.6	757.2	473.7	388.0	309.8	254.3	223.2	211.0	201.5	198.7
35°	2772.6	1551.1	664.0	438.9	345.6	264.6	218.5	195.9	183.6	178.0	176.1
37.5°	2862.1	1472.9	574.5	403.1	303.3	228.9	191.2	175.2	163.9	158.2	156.3
40°	3006.1	1433.4	499.1	364.5	261.8	201.5	173.3	158.2	146.0	137.5	135.6
42.5°	3218.0	1439.0	446.4	325.9	228.9	179.9	156.3	138.4	125.3	117.7	115.8
45°	3475.1	1480.5	409.7	288.2	201.5	162.9	137.5	118.7	106.4	99.8	97.9
47.5°	3753.9	1547.3	379.5	254.3	179.9	146.9	118.7	98.9	88.5	82.9	81.9
50°	4047.7	1612.3	348.5	221.3	161.0	130.9	99.8	81.9	73.5	68.7	66.9
52.5°	4345.3	1687.7	320.2	191.2	145.0	112.1	82.9	66.9	60.3	56.5	54.6
55°	4665.5	1744.2	292.9	167.6	129.0	95.1	68.7	55.6	49.9	45.2	44.3
57.5°	5042.3	1831.8	264.6	145.0	110.2	79.1	56.5	44.3	39.6	34.8	33.9
60°	5550.8	1934.4	234.5	128.1	90.4	65.0	46.1	35.8	30.1	26.4	25.4
62.5°	6221.4	2048.4	196.8	112.1	73.5	52.7	36.7	28.3	21.7	17.0	17.0
65°	7071.8	2233.9	161.0	94.2	60.3	43.3	28.3	20.7	12.2	7.5	7.5
67.5°	7568.1	2265.9	130.0	77.2	49.0	36.7	23.5	14.1	3.8	0.9	0.0
69°	7408.9	2080.4	110.2	65.9	42.4	34.8	21.7	10.4	1.9	0.0	0.0
70°	7109.5	1902.4	97.0	58.4	38.6	33.0	20.7	7.5	1.9	0.0	0.0
72.5°	5874.8	1354.3	73.5	43.3	28.3	29.2	18.8	4.7	1.9	0.0	0.0
75°	4279.4	823.1	52.7	30.1	17.9	21.7	13.2	1.9	0.9	0.0	0.0
77.5°	2380.8	388.0	33.0	17.0	11.3	13.2	6.6	0.0	0.0	0.0	0.0
80°	773.2	105.5	15.1	9.4	6.6	7.5	2.8	0.0	0.0	0.0	0.0
82.5°	143.1	30.1	8.5	4.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0
85°	31.1	12.2	4.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.4	3.8	0.9	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)