

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: P321650

Luminaire Tested: **GAN-SA6C-750-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-750-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32536 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

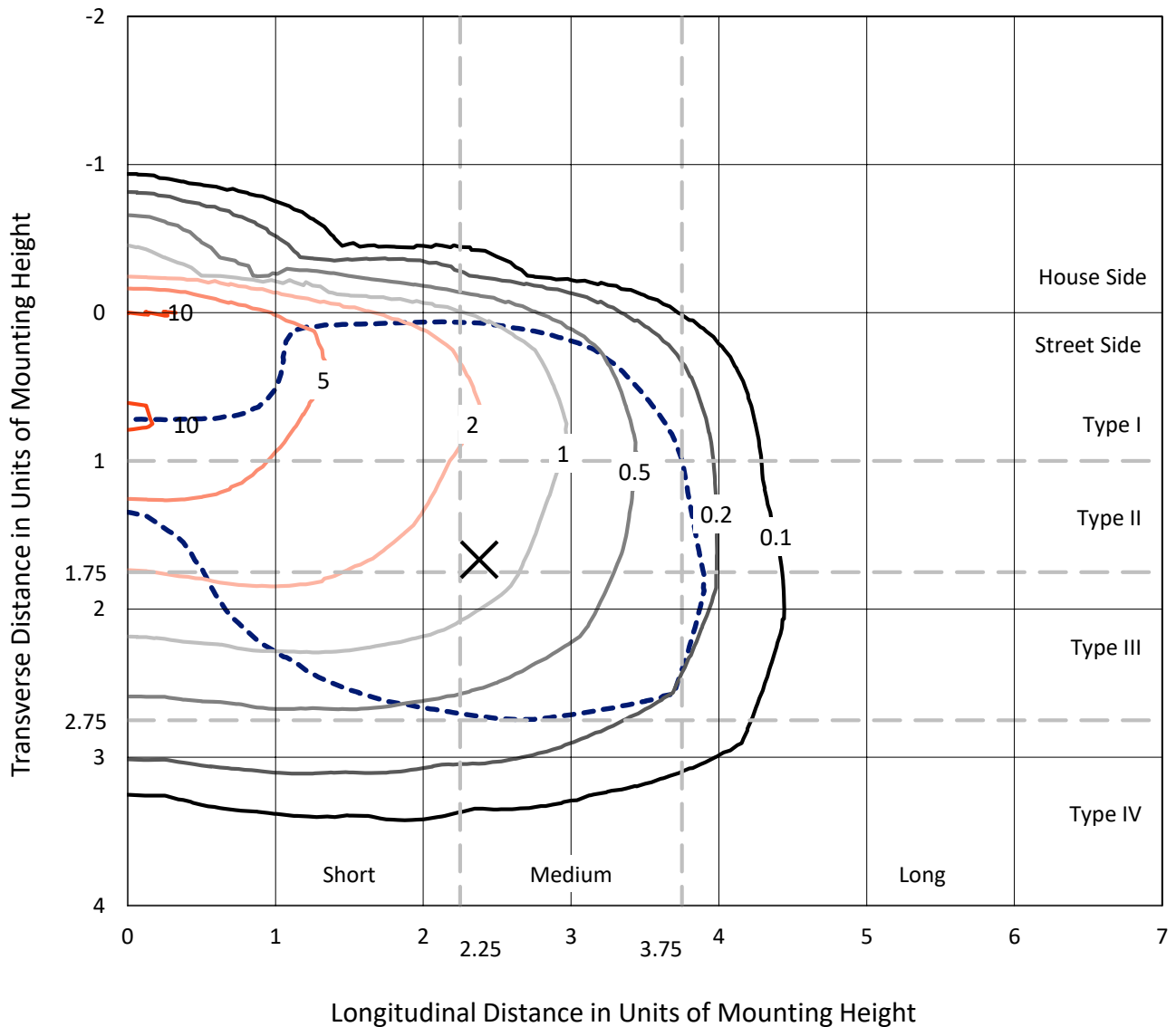
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

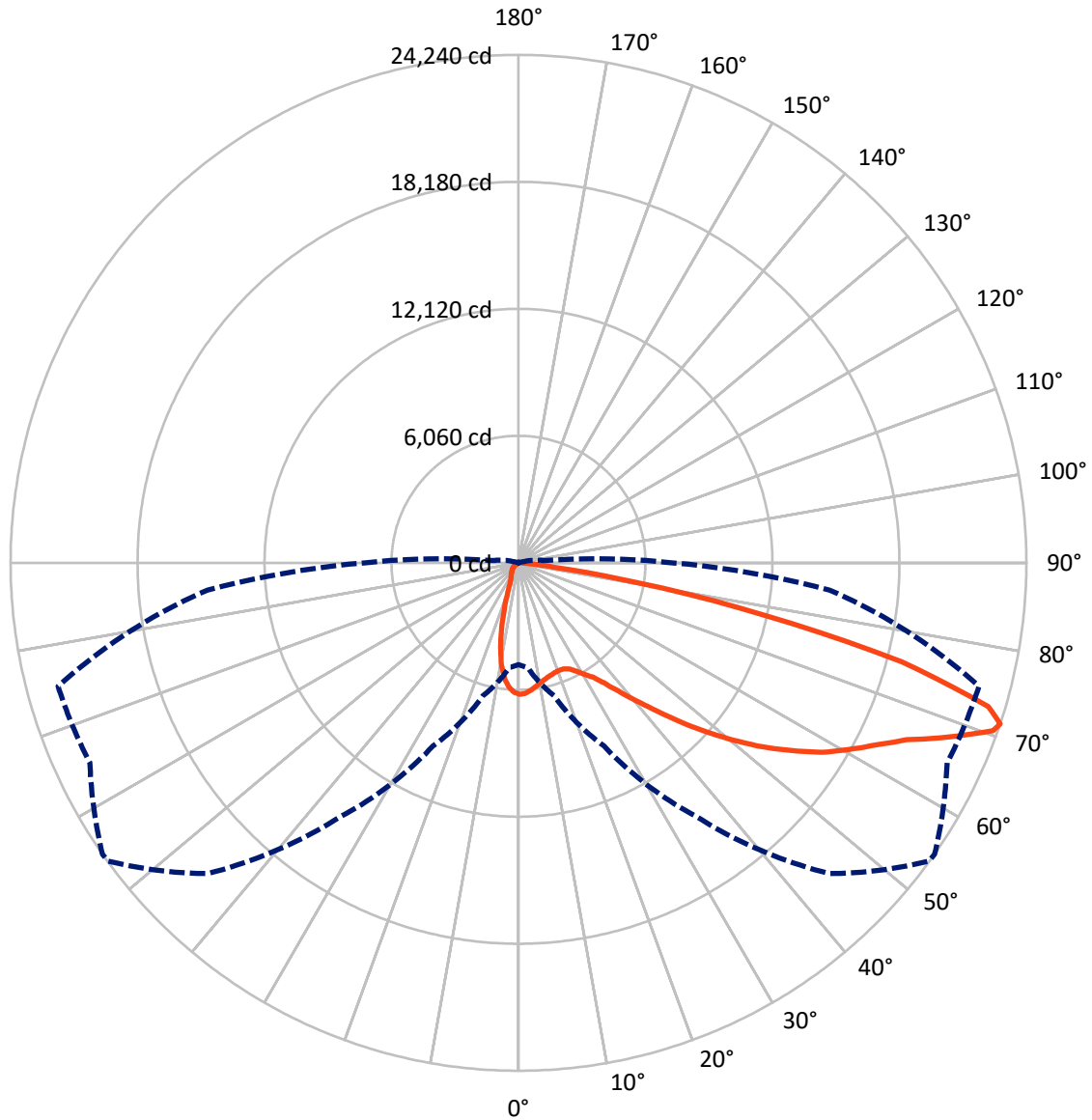
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2576.0	0.0	2576.0
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	29960.0	0.0	29960.0
	% Fixture	92.1	0.0	92.1
Total	Lumens	32536.0	0.0	32536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.0	1.6
10°-20°	1207.8	3.7
20°-30°	1941.0	6.0
30°-40°	3297.8	10.1
40°-50°	5118.6	15.7
50°-60°	6881.9	21.2
60°-70°	8418.8	25.9
70°-80°	4922.3	15.1
80°-90°	212.8	0.7
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°	32536.0	100.0
0°-180°	32536.0	100.0

Coefficient of Utilization

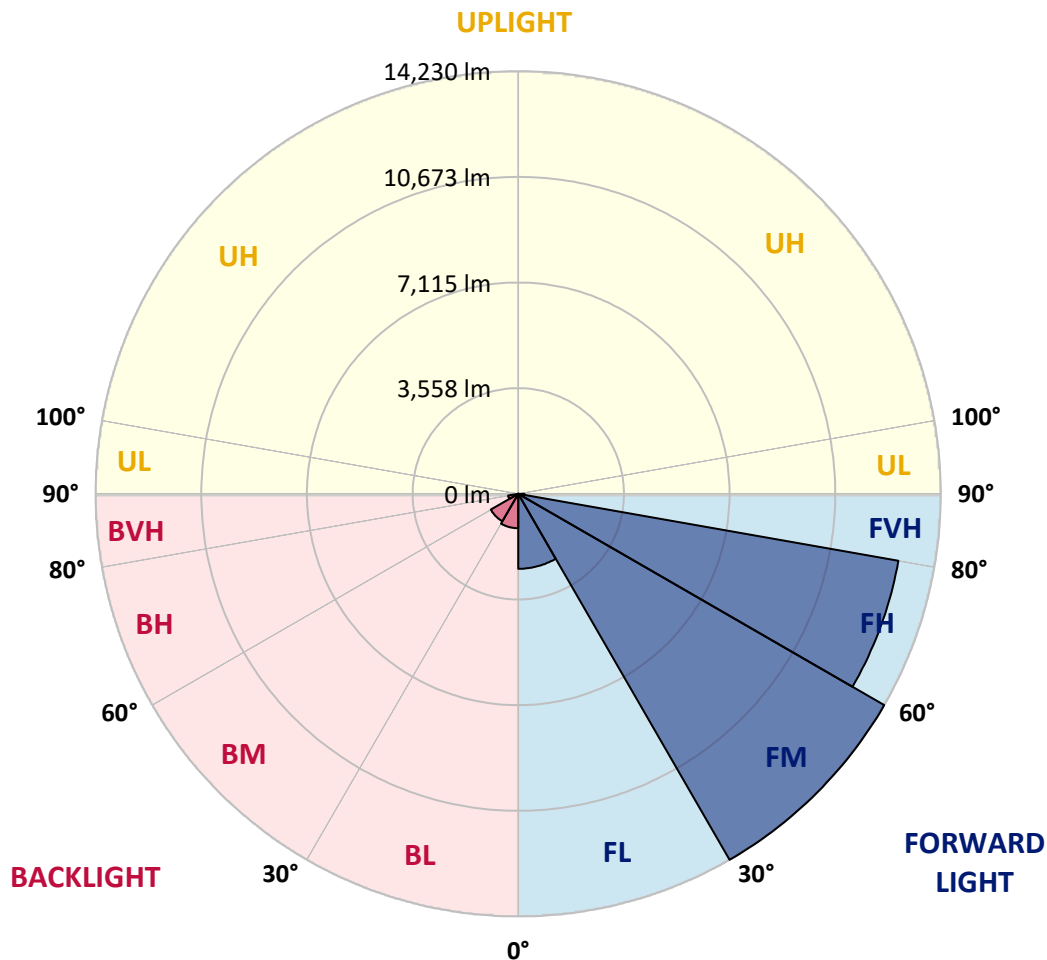


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2524.3	7.8			
FM (30°-60°)	14230.3	43.7			
FH (60°-80°)	12996.0	39.9			G5
FVH (80°-90°)	209.4	0.6			G2/225
BL (0°-30°)	1159.5	3.6	B3/2500		
BM (30°-60°)	1068.0	3.3	B2/2500		
BH (60°-80°)	345.1	1.1	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7
2.5°	6090.6	6097.9	6124.2	6135.9	6163.7	6210.4	6233.8	6235.2	6273.2	6287.8	6299.5
5°	5659.6	5703.5	5747.3	5794.0	5878.8	5991.3	6102.3	6112.5	6235.2	6325.8	6374.0
7.5°	5288.6	5328.0	5380.6	5455.1	5574.9	5751.7	5937.2	5959.1	6191.4	6397.4	6505.5
10°	4907.3	4939.4	5015.4	5124.9	5290.0	5526.7	5776.5	5813.0	6152.0	6493.8	6683.7
12.5°	4499.7	4518.6	4610.7	4768.5	5011.0	5311.9	5640.6	5688.9	6127.1	6604.9	6894.1
15°	4189.9	4198.7	4286.4	4450.0	4727.6	5119.1	5535.5	5593.9	6133.0	6737.8	7123.5
17.5°	4111.1	4115.4	4162.2	4274.7	4520.1	4946.7	5452.2	5523.8	6150.5	6867.8	7354.3
20°	4431.0	4400.3	4352.1	4334.6	4439.8	4843.0	5402.5	5482.9	6173.9	6983.2	7561.8
22.5°	5309.0	5218.4	5018.3	4750.9	4588.8	4850.3	5415.7	5496.0	6248.4	7124.9	7801.4
25°	6612.2	6486.5	6146.1	5620.2	5114.7	5060.7	5525.2	5607.0	6393.0	7294.4	8030.7
27.5°	8095.0	7970.8	7554.5	6803.5	5941.6	5477.0	5776.5	5852.5	6607.8	7444.9	8206.0
30°	9515.0	9480.0	8989.1	8135.9	6981.8	6152.0	6100.8	6165.1	6767.0	7535.5	8344.8
32.5°	10718.8	10663.3	10268.9	9439.1	8172.4	6962.8	6482.1	6501.1	6886.8	7652.3	8526.0
35°	11835.0	11766.3	11420.1	10635.6	9393.8	7953.3	7069.4	7041.7	7148.3	7887.5	8788.9
37.5°	12809.4	12872.2	12488.0	11741.5	10489.5	8983.2	7861.3	7778.0	7557.4	8270.3	9170.2
40°	13624.6	13624.6	13424.5	12802.1	11672.8	10048.3	8756.8	8647.2	8172.4	8860.5	9653.8
42.5°	13918.3	13981.1	14055.6	13703.5	12732.0	11155.6	9754.6	9640.7	9038.8	9697.6	10264.5
45°	13935.8	14035.1	14416.4	14415.0	13688.9	12255.7	10879.5	10825.5	10149.1	10772.9	11021.2
47.5°	13688.9	13813.1	14441.3	14797.7	14447.1	13279.8	12109.6	12042.4	11453.7	12090.6	11813.1
50°	13307.6	13444.9	14175.4	14948.2	14962.8	14171.0	13405.5	13304.7	12889.8	13596.9	12631.2
52.5°	12625.3	12891.2	13937.2	14983.3	15301.8	14940.9	14638.5	14594.7	14496.8	15047.6	13282.8
55°	11165.9	11461.0	13339.7	14995.0	15615.9	15623.2	15794.1	15805.8	16003.0	16403.3	13767.8
57.5°	10476.3	10642.9	12296.6	15050.5	16081.9	16397.5	16971.6	17062.2	17367.5	17690.4	14321.5
60°	10042.4	10239.6	11782.4	14974.5	16813.8	17412.8	18062.9	18093.6	18420.8	19018.4	15070.9
62.5°	9696.2	9890.5	11458.1	14682.3	17636.3	18634.1	19129.4	19132.3	19377.7	20600.5	15922.7
65°	8841.5	9005.2	10802.1	14353.6	18179.8	19842.3	20368.3	20349.3	20549.4	22268.9	16911.7
67.5°	7605.6	7731.2	9462.4	13107.4	17975.3	20940.9	22238.2	22175.4	21932.9	23710.9	17300.3
70°	5880.2	5925.5	7458.0	10923.4	16058.5	21363.1	24045.4	24013.3	22781.7	23452.3	15875.9
71°	4860.5	5009.5	6572.7	9640.7	14774.4	20973.1	24220.7	24239.7	22568.4	22748.1	14895.6
72.5°	2822.5	2949.6	4764.1	7404.0	12543.5	19345.6	23312.0	23449.3	21572.1	20691.1	12723.2
75°	604.8	647.2	1766.3	3583.7	6900.0	13558.9	18400.4	18889.8	17582.3	14076.0	7668.4
77.5°	420.7	454.3	756.8	1626.0	2280.5	6699.8	11430.3	11982.5	10504.1	5290.0	2454.4
80°	333.1	371.1	590.2	803.5	616.5	2160.7	5354.3	5691.8	3503.3	1180.4	413.4
82.5°	185.5	220.6	460.2	433.9	236.7	410.5	1498.9	1694.7	701.2	238.1	97.9
85°	54.1	65.7	296.6	315.6	100.8	78.9	255.7	317.0	132.9	62.8	43.8
87.5°	0.0	0.0	143.2	121.3	29.2	11.7	23.4	26.3	26.3	26.3	29.2
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°	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7	6274.7
2.5°	6299.5	6309.7	6273.2	6225.0	6173.9	6111.1	6045.3	5994.2	5992.7	5967.9	5943.1
5°	6376.9	6371.1	6270.3	6116.9	5935.7	5747.3	5567.6	5364.5	5297.3	5214.1	5186.3
7.5°	6520.1	6479.2	6265.9	5929.9	5532.5	5138.1	4730.5	4320.0	4144.7	3986.9	3959.1
10°	6699.8	6622.4	6238.2	5649.4	4920.4	4192.9	3577.8	3019.7	2774.3	2585.8	2577.1
12.5°	6886.8	6768.5	6160.7	5225.7	4118.4	3095.7	2387.2	1837.8	1633.3	1501.8	1513.5
15°	7082.6	6905.8	5994.2	4654.5	3205.3	2100.8	1466.8	1143.9	1062.1	1028.5	1037.3
17.5°	7282.7	7000.8	5761.9	3966.4	2303.9	1355.7	1015.3	924.8	924.8	932.1	935.0
20°	7456.6	7051.9	5420.0	3195.0	1561.7	987.6	888.2	875.1	882.4	894.1	895.5
22.5°	7629.0	7054.8	4974.5	2413.5	1092.8	864.9	845.9	840.0	844.4	857.6	859.0
25°	7769.2	7019.8	4416.4	1716.6	872.2	815.2	806.4	803.5	806.4	822.5	822.5
27.5°	7826.2	6892.7	3735.6	1206.7	781.6	759.7	756.8	759.7	764.1	775.8	777.2
30°	7832.0	6670.6	2993.4	873.6	708.5	685.2	691.0	701.2	696.9	693.9	696.9
32.5°	7846.6	6413.5	2270.3	718.8	647.2	610.7	603.4	603.4	585.8	575.6	569.8
35°	7894.9	6111.1	1646.5	645.7	584.4	542.0	514.2	482.1	448.5	431.0	426.6
37.5°	7970.8	5794.0	1179.0	597.5	528.9	480.6	428.1	371.1	322.9	309.7	309.7
40°	8109.6	5466.8	872.2	559.5	485.0	425.1	346.2	271.7	227.9	220.6	220.6
42.5°	8328.7	5122.0	695.4	525.9	447.0	368.2	264.4	197.2	165.1	160.7	159.2
45°	8556.7	4742.2	607.7	493.8	406.1	302.4	195.8	146.1	127.1	122.7	122.7
47.5°	8784.6	4337.5	565.4	463.1	366.7	235.2	146.1	115.4	106.6	106.6	108.1
50°	8977.4	3915.3	534.7	429.5	315.6	178.2	115.4	97.9	95.0	100.8	102.3
52.5°	9025.6	3500.4	496.7	387.1	252.7	135.9	95.0	86.2	86.2	86.2	86.2
55°	8996.4	3179.0	447.0	334.6	187.0	108.1	81.8	76.0	74.5	74.5	74.5
57.5°	9095.7	2989.1	357.9	260.0	134.4	87.7	71.6	67.2	64.3	62.8	62.8
60°	9295.9	2864.9	255.7	187.0	100.8	73.0	61.4	57.0	52.6	49.7	49.7
62.5°	9561.8	2756.8	189.9	138.8	77.4	58.4	51.1	46.7	40.9	38.0	38.0
65°	9766.3	2563.9	144.6	103.7	58.4	46.7	39.4	38.0	29.2	26.3	24.8
67.5°	9453.7	2140.3	116.9	76.0	43.8	36.5	30.7	29.2	17.5	14.6	14.6
70°	8108.1	1490.1	93.5	55.5	32.1	29.2	24.8	19.0	13.1	11.7	11.7
71°	7352.8	1244.7	84.7	46.7	27.8	27.8	23.4	16.1	11.7	10.2	10.2
72.5°	6108.1	883.9	71.6	36.5	24.8	29.2	24.8	14.6	11.7	10.2	8.8
75°	3545.7	369.6	49.7	24.8	19.0	35.1	32.1	13.1	8.8	7.3	7.3
77.5°	1066.5	135.9	27.8	16.1	14.6	30.7	36.5	11.7	4.4	1.5	1.5
80°	194.3	58.4	17.5	10.2	10.2	19.0	27.8	5.8	0.0	0.0	0.0
82.5°	68.7	29.2	10.2	5.8	4.4	8.8	13.1	0.0	0.0	0.0	0.0
85°	39.4	20.5	5.8	2.9	0.0	1.5	2.9	0.0	0.0	0.0	0.0
87.5°	26.3	5.8	0.0	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)