

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: P323171

Luminaire Tested: **GAN-SA7C-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37738 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

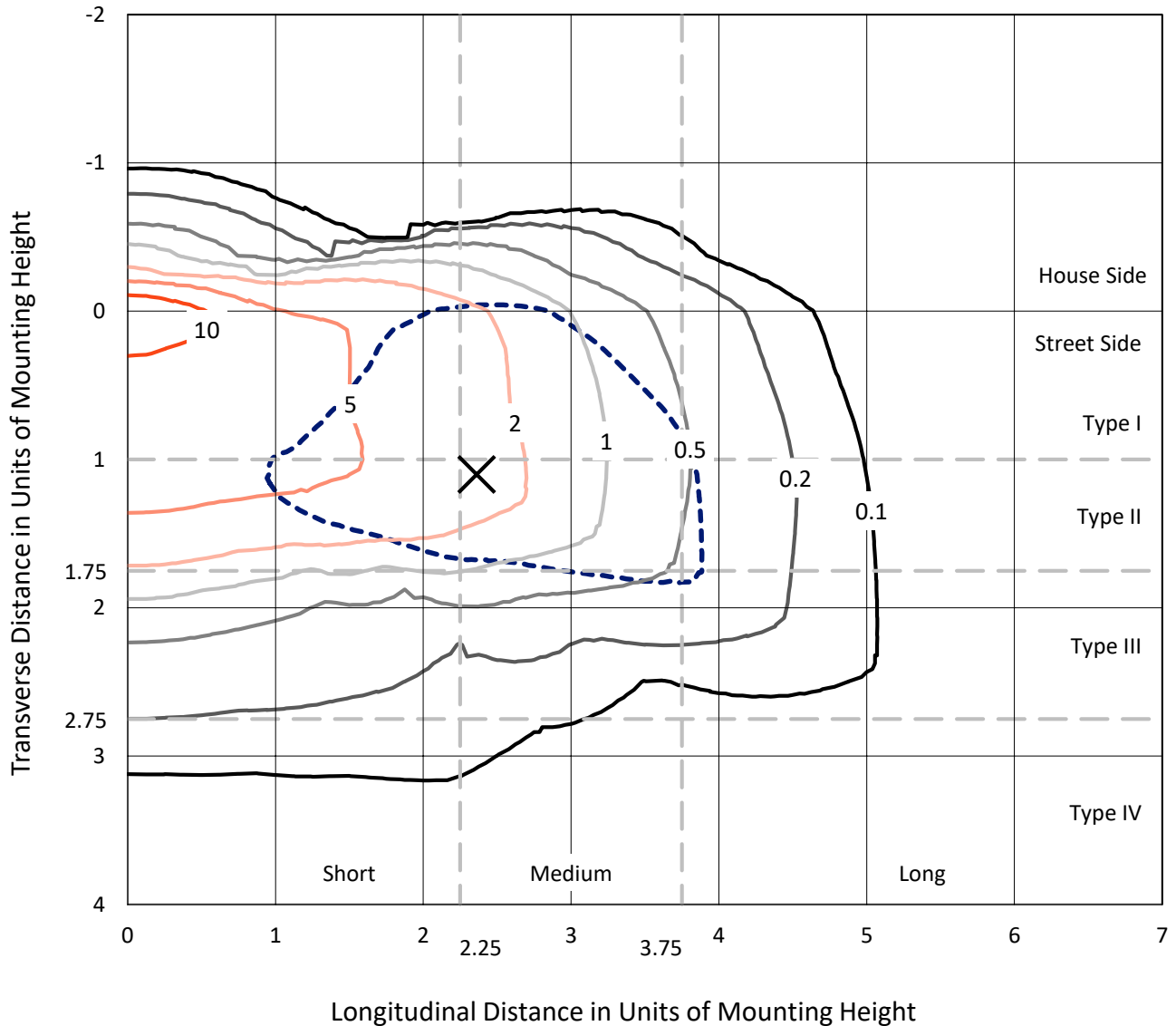
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

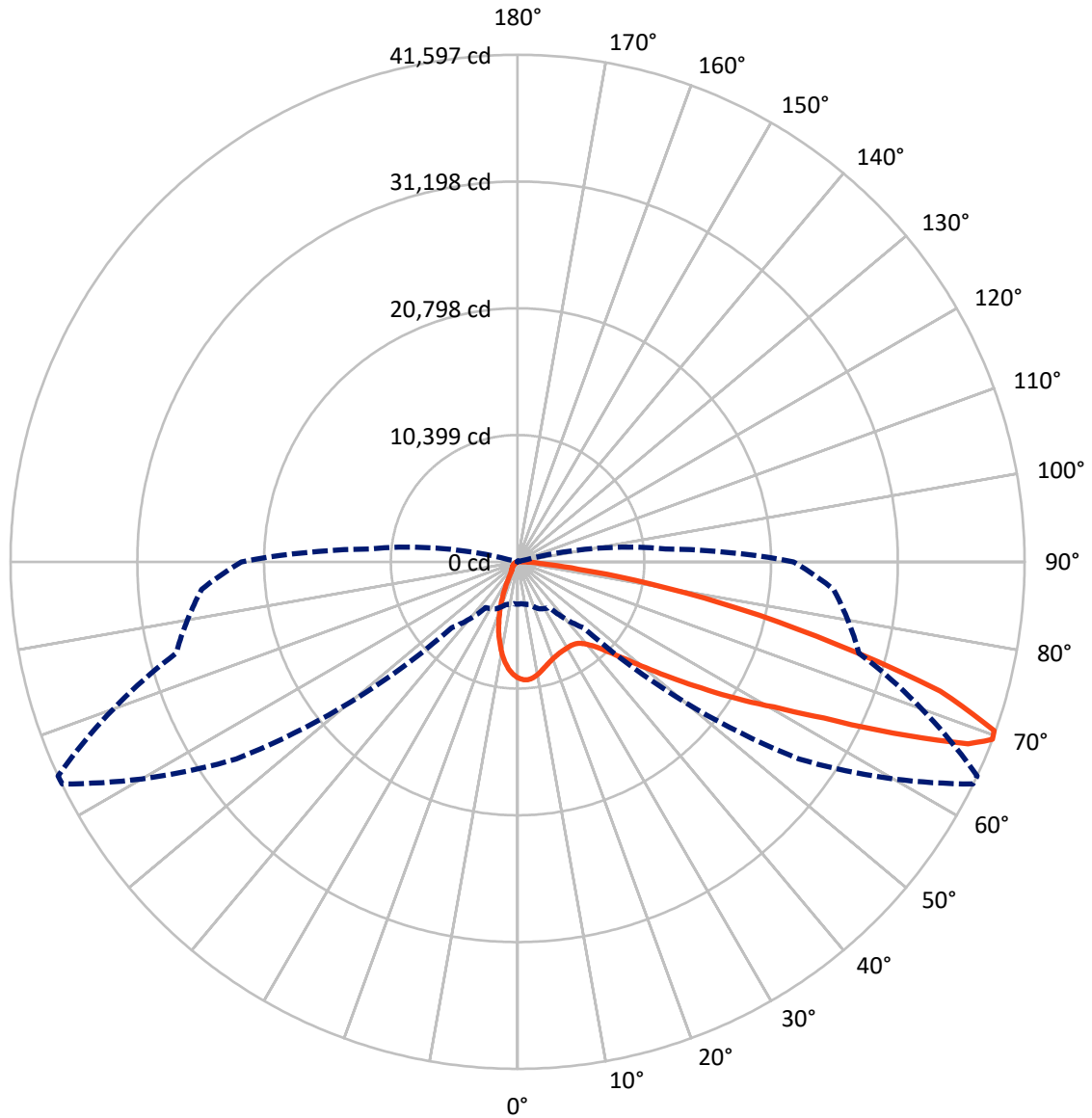
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4448.4	0.0	4448.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	33289.6	0.0	33289.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	37738.0	0.0	37738.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.4	2.1
10°-20°	1745.6	4.6
20°-30°	2417.8	6.4
30°-40°	3371.2	8.9
40°-50°	5239.9	13.9
50°-60°	8412.1	22.3
60°-70°	9515.4	25.2
70°-80°	5588.5	14.8
80°-90°	650.1	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°	37738.0	100.0
0°-180°	37738.0	100.0

Coefficient of Utilization



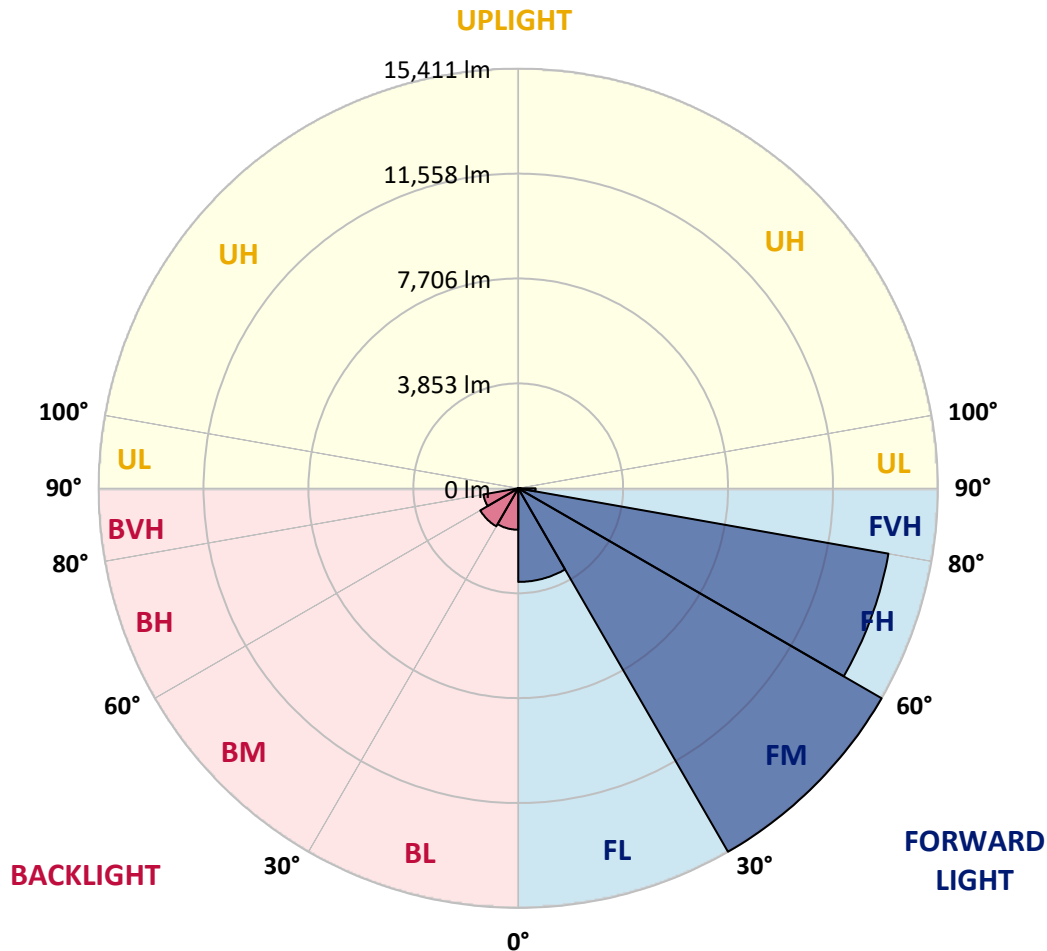
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3438.8	9.1			
FM (30°-60°)	15411.1	40.8			
FH (60°-80°)	13804.2	36.6			G5
FVH (80°-90°)	635.5	1.7			G4/750
BL (0°-30°)	1522.1	4.0	B3/2500		
BM (30°-60°)	1612.0	4.3	B2/2500		
BH (60°-80°)	1299.7	3.4	B3/2500		G3/2500
BVH (80°-90°)	14.6	0.0			G1/100
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°	55°	64°	65°	75°	85°
0°	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5
2.5°	9621.1	9597.1	9616.3	9657.8	9678.6	9678.6	9694.5	9675.4	9681.8	9635.5	9568.4
5°	9019.1	8982.3	9035.0	9151.6	9295.3	9418.3	9600.3	9696.1	9705.7	9707.3	9629.1
7.5°	8370.7	8337.2	8415.5	8552.8	8738.0	8966.4	9284.2	9562.0	9578.0	9728.1	9670.6
10°	7843.8	7819.8	7910.9	8057.8	8274.9	8530.4	8920.1	9306.5	9352.8	9685.0	9664.2
12.5°	7425.4	7406.2	7492.5	7661.7	7883.7	8166.4	8573.6	9022.3	9084.5	9587.6	9632.3
15°	7120.4	7117.2	7189.1	7352.0	7597.9	7861.4	8278.1	8758.8	8830.6	9482.2	9627.5
17.5°	6960.7	6965.5	7018.2	7157.1	7367.9	7629.8	8029.0	8536.8	8615.1	9388.0	9651.4
20°	6944.8	6949.5	6978.3	7056.5	7227.4	7458.9	7826.2	8350.0	8431.4	9317.7	9689.8
22.5°	7085.3	7082.1	7090.1	7082.1	7177.9	7353.5	7692.1	8206.3	8300.5	9271.4	9720.1
25°	7355.1	7350.4	7347.2	7288.1	7224.2	7318.4	7636.2	8124.8	8214.3	9237.8	9737.7
27.5°	7730.4	7727.2	7722.4	7625.0	7433.4	7374.3	7642.6	8094.5	8169.5	9210.7	9734.5
30°	8223.8	8246.2	8239.8	8104.1	7805.5	7545.2	7709.6	8078.5	8144.0	9158.0	9700.9
32.5°	8803.5	8848.2	8883.3	8738.0	8364.4	7883.7	7864.5	8096.1	8144.0	9118.1	9640.3
35°	9405.5	9463.0	9592.3	9541.2	9049.4	8393.1	8131.2	8201.5	8241.4	9140.4	9611.5
37.5°	9998.0	10066.6	10347.7	10496.2	9946.9	9067.0	8546.4	8461.8	8482.5	9276.2	9643.4
40°	10686.2	10790.0	11216.4	11455.9	11018.3	9969.2	9167.6	8908.9	8916.9	9574.8	9792.0
42.5°	11590.0	11697.0	12158.5	12533.8	12225.6	11109.4	10010.7	9592.3	9584.4	10133.7	10141.7
45°	12691.9	12803.6	13281.1	13697.9	13559.0	12460.3	11090.2	10590.4	10580.8	11015.2	10804.4
47.5°	13940.6	14050.8	14477.1	14906.7	15056.8	14038.0	12465.1	11952.5	11930.2	12239.9	11828.0
50°	15012.1	15084.0	15476.8	16054.8	16731.9	15976.6	14175.3	13681.9	13658.0	13867.1	13330.6
52.5°	15401.7	15443.3	15842.5	16652.1	18341.6	18601.8	16422.1	15786.6	15769.0	15860.0	15331.5
55°	14612.9	14687.9	15178.2	16379.0	19213.4	21568.8	19258.2	18392.7	18260.1	18063.7	17423.4
57.5°	12463.5	12583.3	13110.2	14707.1	18806.2	23922.6	23426.0	21340.5	21145.6	19944.8	19124.0
60°	9338.4	9485.4	9922.9	11645.9	16632.9	24760.9	27980.2	24625.2	24186.1	21442.7	20687.3
62.5°	6408.2	6481.7	6778.7	7901.3	12249.5	23387.6	31790.3	29024.6	28222.9	23071.5	22378.4
65°	4894.4	4919.9	5041.3	5427.7	7294.5	18997.9	33305.7	34829.2	33859.9	25019.6	24133.4
67.5°	3944.2	3923.5	4091.2	4643.7	4884.8	11590.0	31538.0	40320.8	39867.3	27624.1	25899.5
69°	3478.0	3449.2	3620.1	4262.0	4587.8	7661.7	28194.2	41567.9	41596.7	28999.0	26020.9
70°	3129.8	3149.0	3318.3	4035.3	4487.2	6013.8	25000.5	41250.1	41476.9	29513.2	25292.7
72.5°	2090.3	2141.4	2481.5	3350.2	4314.7	4551.1	15095.1	35397.6	36269.5	28355.5	21699.8
75°	1178.5	1216.8	1620.8	2526.2	4065.6	4333.9	7973.1	26078.4	26921.5	23711.8	16733.5
77.5°	578.1	598.8	916.6	1630.4	3399.7	4129.5	4522.3	17714.0	18676.9	15476.8	9464.6
80°	244.3	255.5	458.3	1006.0	2430.4	3941.1	3358.2	10901.8	11021.5	6063.3	2521.4
82.5°	94.2	97.4	193.2	627.6	1544.2	3072.4	2808.9	5169.0	5044.5	1141.8	574.9
85°	11.2	12.8	70.3	376.9	859.1	1580.9	2281.9	2227.6	2061.5	226.8	295.4
87.5°	0.0	0.0	4.8	115.0	255.5	740.9	1186.5	924.6	833.6	73.5	153.3
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°	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5	9536.5
2.5°	9512.5	9496.5	9410.3	9285.8	9167.6	9020.7	8880.1	8795.5	8728.4	8683.7	8736.4
5°	9538.1	9467.8	9205.9	8870.6	8541.6	8171.1	7826.2	7534.0	7419.0	7291.3	7348.8
7.5°	9530.1	9397.5	8926.5	8329.2	7725.6	7101.2	6510.4	6055.3	5819.0	5587.4	5646.5
10°	9490.1	9266.6	8552.8	7668.1	6764.3	5866.9	5028.5	4391.4	4035.3	3712.7	3759.0
12.5°	9402.3	9090.9	8112.1	6911.2	5702.4	4519.1	3537.0	2721.1	2283.5	2090.3	2114.2
15°	9349.6	8920.1	7645.8	6144.7	4568.6	3147.4	2162.2	1608.0	1408.4	1344.6	1352.5
17.5°	9324.1	8755.6	7163.5	5268.0	3409.3	2004.1	1397.3	1232.8	1189.7	1178.5	1181.7
20°	9298.5	8589.5	6666.9	4401.0	2349.0	1347.8	1148.1	1100.2	1084.3	1069.9	1073.1
22.5°	9255.4	8429.8	6133.5	3522.7	1584.1	1093.9	1034.8	988.5	954.9	937.4	940.6
25°	9202.7	8262.2	5589.0	2623.6	1156.1	975.7	919.8	854.3	814.4	782.5	784.1
27.5°	9118.1	8056.2	5026.9	1909.8	970.9	873.5	798.4	726.6	659.5	622.8	622.8
30°	8999.9	7823.0	4402.5	1366.9	870.3	772.9	681.9	592.4	520.6	487.0	483.8
32.5°	8869.0	7580.3	3771.8	1036.4	790.4	678.7	574.9	480.7	416.8	389.6	388.0
35°	8757.2	7318.4	3142.6	868.7	710.6	587.6	474.3	394.4	343.3	321.0	319.4
37.5°	8685.3	7056.5	2529.4	776.1	638.7	503.0	397.6	325.8	289.0	271.5	269.9
40°	8674.2	6861.7	1968.9	705.8	571.7	428.0	332.1	276.3	242.7	223.6	222.0
42.5°	8819.5	6749.9	1510.6	646.7	503.0	362.5	282.6	236.3	201.2	182.0	180.4
45°	9201.1	6785.1	1162.5	594.0	434.3	306.6	239.5	196.4	164.5	150.1	146.9
47.5°	9897.3	7027.8	924.6	541.3	368.9	260.3	204.4	162.9	135.7	121.4	119.8
50°	11136.5	7597.9	772.9	483.8	308.2	222.0	169.3	132.5	110.2	97.4	95.8
52.5°	12781.3	8613.5	689.8	428.0	255.5	188.4	138.9	105.4	86.2	76.6	75.1
55°	14595.3	9843.1	635.6	367.3	209.2	156.5	110.2	83.0	67.1	59.1	55.9
57.5°	16366.2	10908.2	584.5	308.2	174.1	127.7	87.8	65.5	52.7	44.7	43.1
60°	17993.4	11887.0	525.4	247.5	142.1	100.6	68.7	51.1	41.5	33.5	33.5
62.5°	19735.6	12644.0	443.9	193.2	116.6	76.6	55.9	46.3	33.5	28.7	27.1
65°	21581.6	13206.0	348.1	150.1	91.0	57.5	46.3	47.9	27.1	20.8	19.2
67.5°	22945.3	13094.3	257.1	118.2	70.3	44.7	44.7	51.1	24.0	16.0	14.4
69°	22645.1	12185.7	215.6	102.2	60.7	38.3	41.5	51.1	22.4	14.4	12.8
70°	21774.8	11179.6	190.0	91.0	54.3	35.1	39.9	49.5	20.8	14.4	12.8
72.5°	18134.0	8420.3	148.5	68.7	43.1	28.7	33.5	43.1	20.8	14.4	11.2
75°	13640.4	5389.4	113.4	49.5	31.9	22.4	25.5	31.9	20.8	12.8	11.2
77.5°	7422.2	1943.4	81.4	33.5	22.4	17.6	17.6	24.0	19.2	9.6	6.4
80°	1908.2	488.6	51.1	22.4	17.6	12.8	11.2	16.0	11.2	1.6	0.0
82.5°	471.1	110.2	27.1	16.0	12.8	4.8	4.8	8.0	4.8	0.0	0.0
85°	258.7	54.3	17.6	11.2	6.4	0.0	0.0	1.6	0.0	0.0	0.0
87.5°	132.5	16.0	4.8	3.2	1.6	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)