

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: P323602

Luminaire Tested: **GAN-SA8B-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323602
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-SA8B-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 800mA 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: 39127 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

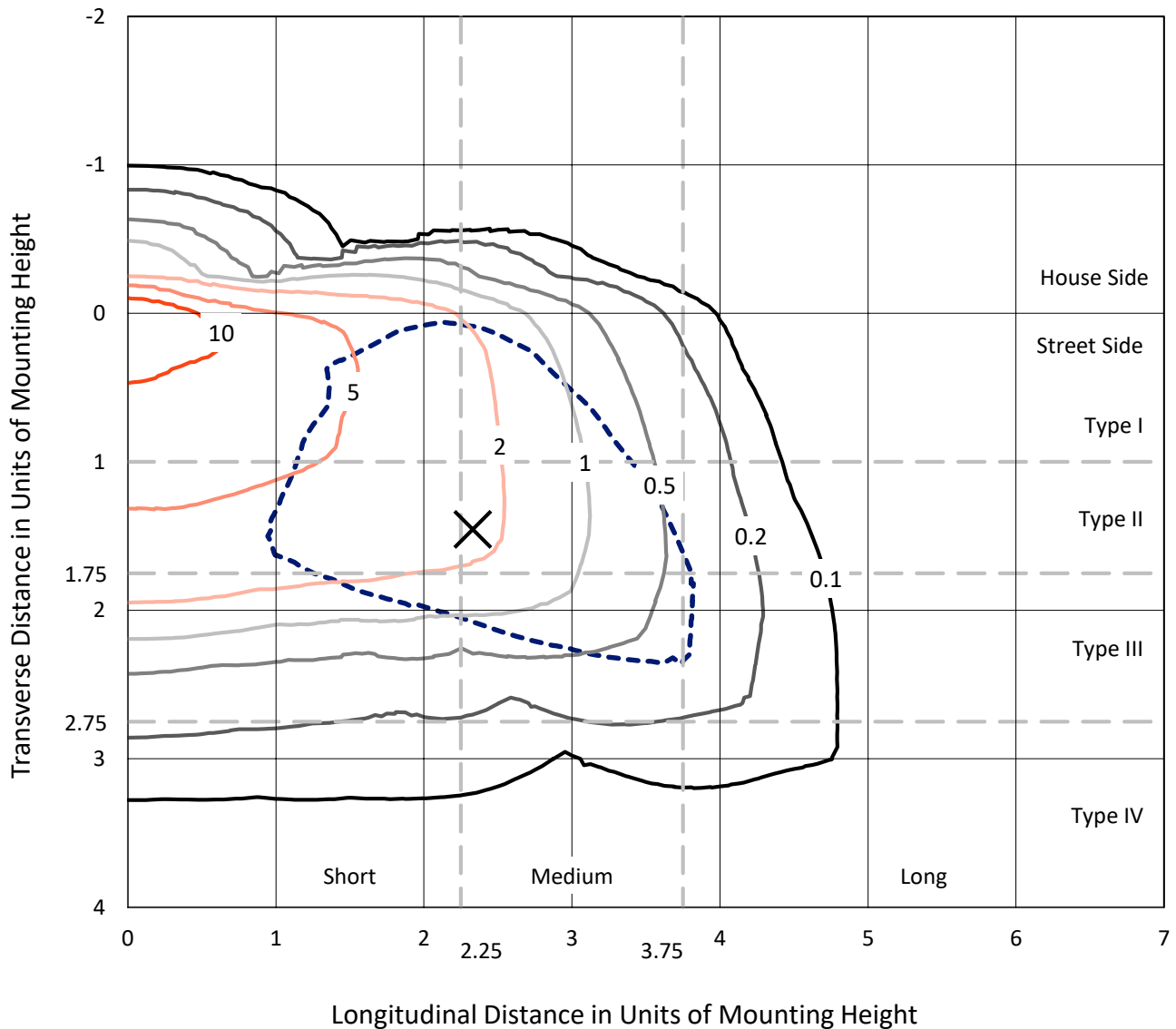
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

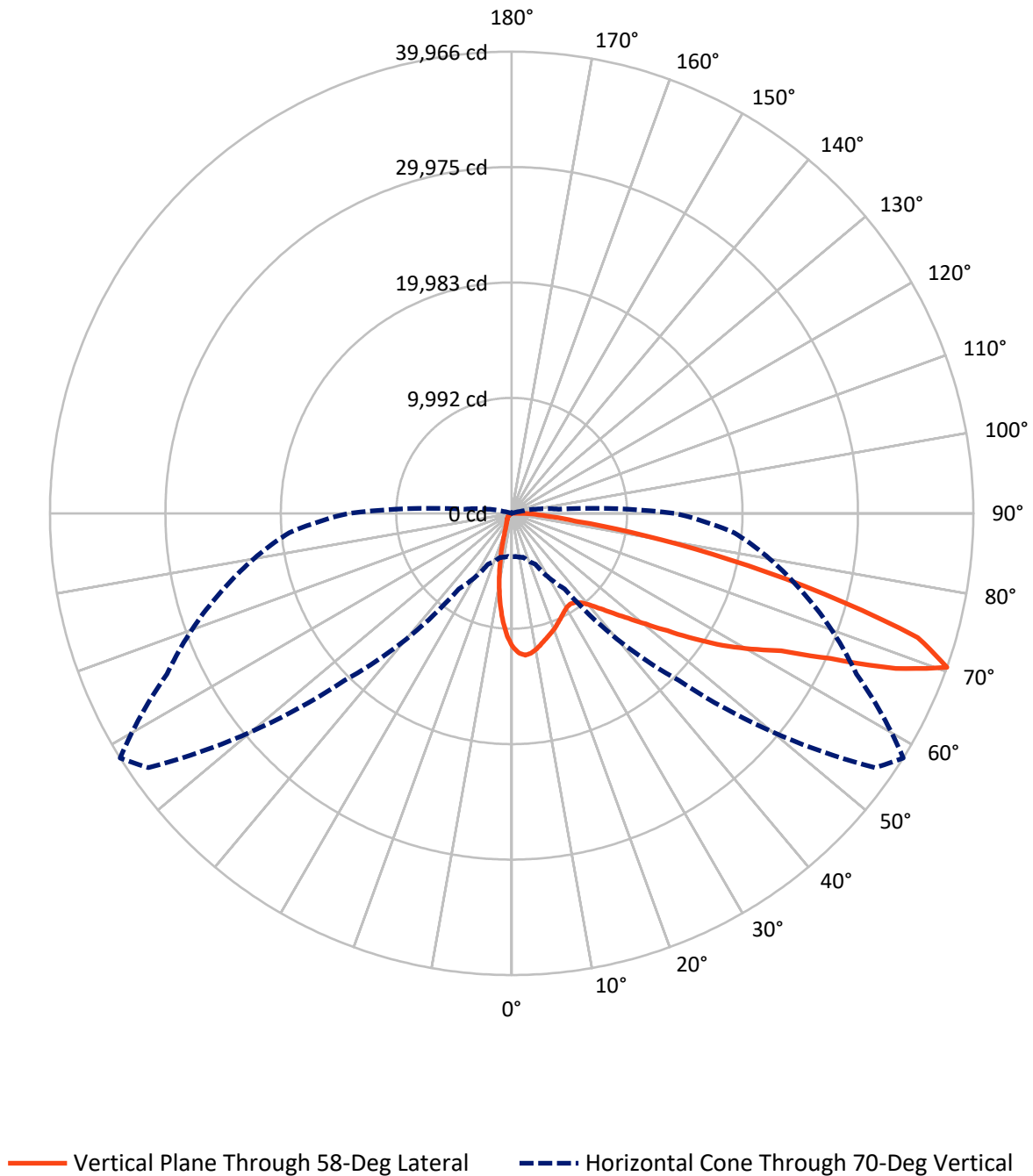
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3348.4	0.0	3348.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	35778.6	0.0	35778.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	39127.0	0.0	39127.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	945.1	2.4
10°-20°	1983.6	5.1
20°-30°	2607.8	6.7
30°-40°	3453.7	8.8
40°-50°	5162.3	13.2
50°-60°	8269.7	21.1
60°-70°	10423.9	26.6
70°-80°	5622.6	14.4
80°-90°	658.1	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°	39127.0	100.0
0°-180°	39127.0	100.0

Coefficient of Utilization



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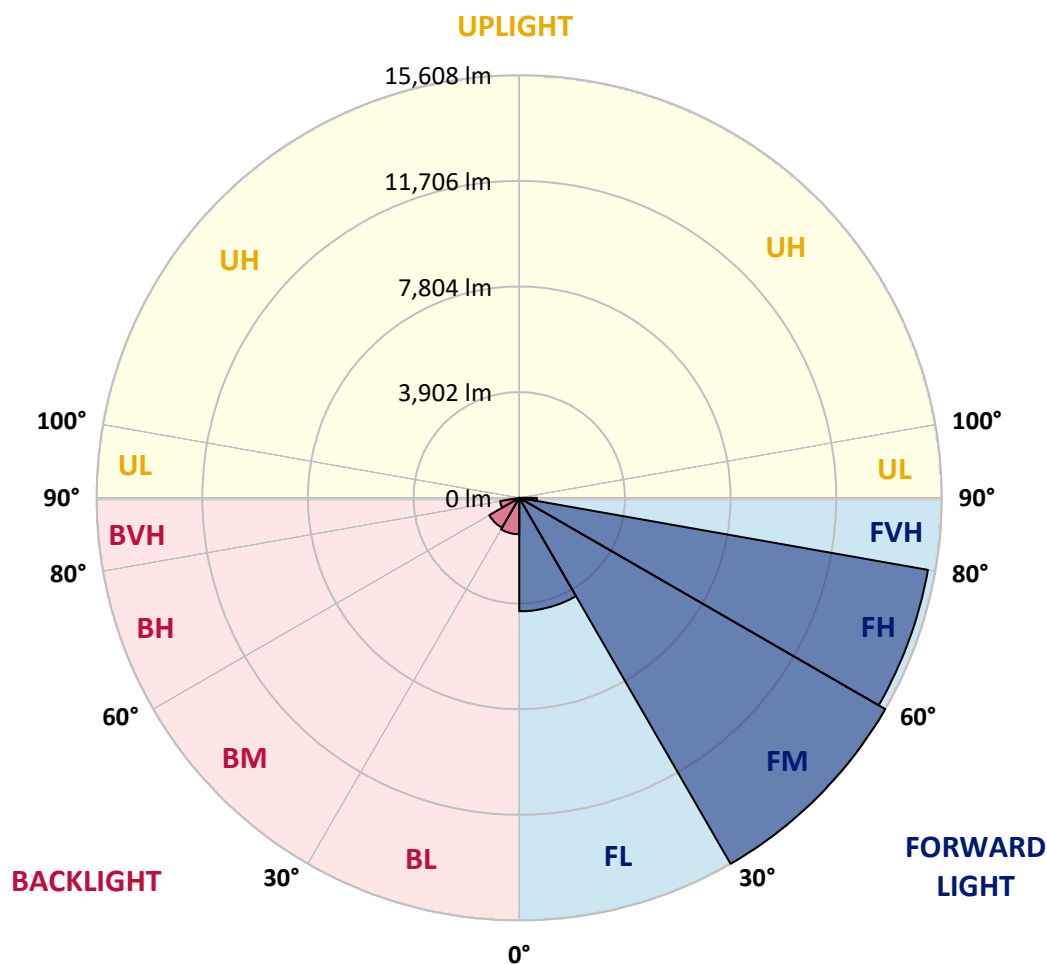
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4191.3	10.7			
FM	(30°-60°)	15608.4	39.9			
FH	(60°-80°)	15326.5	39.2			G5
FVH	(80°-90°)	652.5	1.7			G4/750
BL	(0°-30°)	1345.3	3.4	B3/2500		
BM	(30°-60°)	1277.4	3.3	B2/2500		
BH	(60°-80°)	720.1	1.8	B2/1000		G2/1000
BVH	(80°-90°)	5.7	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°	55°	58°	65°	75°	85°
0°	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9
2.5°	12516.2	12485.3	12473.9	12454.4	12379.5	12306.3	12161.5	12120.9	12029.7	11813.4	11584.0
5°	12526.0	12524.3	12558.5	12550.4	12524.3	12490.2	12386.1	12332.4	12177.8	11868.7	11448.9
7.5°	11922.4	11953.3	12029.7	12091.6	12163.2	12255.9	12268.9	12216.8	12089.9	11756.4	11200.0
10°	11112.1	11161.0	11268.3	11390.4	11577.5	11762.9	11928.9	11922.4	11878.4	11549.8	10900.6
12.5°	10300.3	10357.2	10480.9	10661.5	10926.7	11229.3	11525.4	11566.1	11639.3	11364.3	10624.1
15°	9589.3	9638.1	9760.1	9981.4	10310.1	10716.8	11151.2	11226.0	11414.8	11219.5	10393.0
17.5°	8985.7	9016.6	9106.1	9351.8	9732.5	10225.4	10790.0	10936.4	11217.9	11105.6	10192.9
20°	8564.3	8569.2	8627.8	8800.2	9180.9	9732.5	10415.8	10625.7	11009.6	11008.0	9986.3
22.5°	8356.1	8339.8	8351.2	8450.4	8730.3	9262.3	10041.6	10290.5	10822.5	10925.0	9776.4
25°	8317.0	8304.0	8271.5	8284.5	8453.7	8850.7	9664.1	9952.1	10658.2	10874.6	9594.2
27.5°	8439.0	8452.1	8396.7	8338.2	8351.2	8583.8	9329.0	9662.5	10524.8	10874.6	9465.7
30°	8684.7	8691.2	8650.6	8574.1	8471.6	8509.0	9096.3	9429.9	10458.1	10949.4	9384.3
32.5°	8956.4	8992.2	8987.3	8925.5	8779.1	8627.8	9041.0	9345.3	10453.2	11115.4	9376.2
35°	9293.2	9333.9	9402.2	9389.2	9236.3	8987.3	9229.7	9468.9	10549.2	11388.7	9464.0
37.5°	9651.1	9713.0	9859.4	9929.3	9830.1	9548.6	9652.8	9823.6	10806.3	11831.3	9686.9
40°	9997.7	10067.6	10334.5	10609.4	10534.6	10245.0	10293.8	10430.4	11263.5	12467.4	10109.9
42.5°	10337.7	10441.8	10833.9	11286.2	11375.7	11144.7	11170.7	11279.7	11941.9	13342.7	10801.4
45°	10744.5	10861.6	11442.4	12000.5	12239.6	12138.8	12249.4	12321.0	12828.6	14499.5	11733.6
47.5°	11341.5	11476.6	12189.2	12825.3	13245.1	13310.2	13533.1	13580.2	13949.6	15846.6	12949.0
50°	12506.4	12543.9	13188.1	13765.7	14370.9	14761.4	15015.2	15051.0	15306.4	17319.0	14466.9
52.5°	13972.3	13996.7	14361.2	14748.4	15436.6	16233.8	16827.7	16878.1	16931.8	18754.0	15965.4
55°	15428.5	15425.2	15666.0	15893.8	16681.2	17839.6	19128.2	19159.1	18773.5	20115.7	17110.7
57.5°	16337.9	16425.8	16791.9	17084.7	18184.5	19670.0	21458.0	21571.9	20708.0	21124.5	18243.1
60°	16048.3	16090.6	16902.5	17986.1	20057.2	22271.5	23815.5	23844.7	22162.5	22131.5	19674.8
62.5°	13673.0	13695.8	14971.3	17205.1	21005.7	25645.8	26659.4	26182.7	23835.0	23529.1	21388.0
65°	9371.3	9519.3	10585.0	13346.0	19263.2	27762.5	31061.9	30272.9	26384.4	25543.3	22936.9
67.5°	5518.7	5487.7	6014.9	8048.6	14148.1	26356.8	36631.0	35846.8	29861.2	26892.0	22483.0
70°	3769.7	3748.5	3950.3	4872.7	7986.8	20446.0	38383.3	39966.3	32931.3	25984.2	19349.4
72.5°	2691.0	2702.4	3000.1	3785.9	5014.3	11912.6	33007.8	36754.7	31969.8	22652.2	14707.7
75°	1827.1	1858.0	2284.3	3105.9	4396.0	6060.4	23423.4	27939.8	26033.0	16463.2	8453.7
77.5°	982.7	1016.9	1519.6	2502.3	3974.7	4210.6	15067.3	19229.1	16352.6	7401.0	2450.2
80°	410.0	429.5	711.0	1818.9	3434.5	3698.1	8865.3	11660.4	6968.3	1459.4	546.7
82.5°	177.3	187.1	296.1	1085.2	2567.3	3122.1	4693.8	5609.8	2111.8	320.5	275.0
85°	34.2	35.8	122.0	574.3	1638.3	1762.0	3042.4	2982.2	948.5	138.3	200.1
87.5°	0.0	0.0	29.3	180.6	481.6	959.9	1856.4	1833.6	322.1	66.7	74.8
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°	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9	11557.9
2.5°	11466.8	11354.6	11118.7	10827.4	10604.5	10358.9	10163.6	9916.3	9808.9	9813.8	9755.3
5°	11209.8	10978.7	10456.5	9797.6	9289.9	8766.1	8315.4	7866.4	7601.2	7514.9	7433.6
7.5°	10842.1	10476.0	9643.0	8627.8	7768.7	6929.2	6198.7	5556.1	5149.3	4950.8	4877.6
10°	10427.2	9913.1	8707.5	7370.1	6143.4	5007.8	4060.9	3237.7	2909.0	2686.1	2629.2
12.5°	10062.8	9366.4	7793.1	6080.0	4623.8	3253.9	2351.0	1838.5	1615.6	1527.7	1513.1
15°	9719.5	8855.5	6913.0	4911.8	3201.9	2002.8	1495.2	1321.1	1269.0	1254.4	1254.4
17.5°	9395.7	8369.1	6052.3	3761.5	2118.3	1404.1	1238.1	1199.1	1182.8	1181.2	1182.8
20°	9057.3	7882.6	5206.3	2756.1	1478.9	1189.3	1143.8	1122.6	1117.7	1117.7	1117.7
22.5°	8733.5	7396.2	4383.0	1968.6	1186.1	1085.2	1062.4	1047.8	1042.9	1041.3	1038.0
25°	8422.8	6934.1	3579.3	1391.1	1041.3	994.1	974.5	955.0	940.4	932.2	927.4
27.5°	8167.3	6522.5	2830.9	1116.1	940.4	899.7	875.3	846.0	810.2	794.0	787.4
30°	7964.0	6146.7	2181.8	942.0	846.0	805.3	767.9	717.5	665.4	637.8	636.1
32.5°	7804.5	5777.3	1656.2	833.0	761.4	711.0	657.3	593.8	533.6	502.7	501.1
35°	7726.4	5451.9	1265.8	753.3	686.6	623.1	556.4	486.5	427.9	398.6	395.4
37.5°	7778.5	5177.0	987.6	686.6	623.1	549.9	471.8	398.6	346.5	320.5	318.9
40°	7968.9	5001.3	802.1	629.6	569.4	480.0	395.4	327.0	283.1	261.9	260.3
42.5°	8374.0	4936.2	685.0	582.5	517.4	414.9	328.6	270.1	229.4	214.8	211.5
45°	9050.8	5032.2	605.2	536.9	463.7	353.1	271.7	221.3	185.5	174.1	172.5
47.5°	9952.1	5284.4	548.3	493.0	414.9	297.7	226.1	179.0	151.3	139.9	138.3
50°	11113.8	5684.6	501.1	449.0	369.3	252.2	187.1	141.5	117.1	109.0	109.0
52.5°	12377.9	6161.3	458.8	408.4	323.8	209.9	151.3	109.0	92.7	83.0	83.0
55°	13422.4	6577.8	413.2	377.5	268.4	174.1	115.5	83.0	68.3	63.5	63.5
57.5°	14465.3	7022.0	361.2	323.8	214.8	141.5	87.9	61.8	50.4	47.2	47.2
60°	15817.3	7565.4	310.7	263.6	169.2	107.4	65.1	43.9	37.4	35.8	35.8
62.5°	17304.4	7884.3	265.2	211.5	131.8	79.7	47.2	29.3	27.7	27.7	26.0
65°	18213.8	7433.6	222.9	169.2	102.5	60.2	30.9	21.2	24.4	22.8	19.5
67.5°	17053.8	5819.6	182.2	131.8	79.7	45.6	19.5	14.6	26.0	21.2	16.3
70°	14120.4	4073.9	141.5	92.7	63.5	39.0	13.0	9.8	27.7	21.2	13.0
72.5°	10567.1	2726.8	112.3	61.8	47.2	34.2	11.4	4.9	24.4	17.9	11.4
75°	5774.1	1098.2	89.5	39.0	29.3	24.4	8.1	3.3	16.3	13.0	8.1
77.5°	1519.6	289.6	65.1	26.0	16.3	9.8	4.9	1.6	8.1	6.5	3.3
80°	387.2	112.3	42.3	17.9	11.4	4.9	0.0	0.0	1.6	0.0	0.0
82.5°	206.6	47.2	26.0	13.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	156.2	30.9	14.6	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	60.2	9.8	4.9	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)