

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: P323551

Luminaire Tested: **GAN-SA7A-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323551
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-SA7A-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 615mA 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: 28160 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

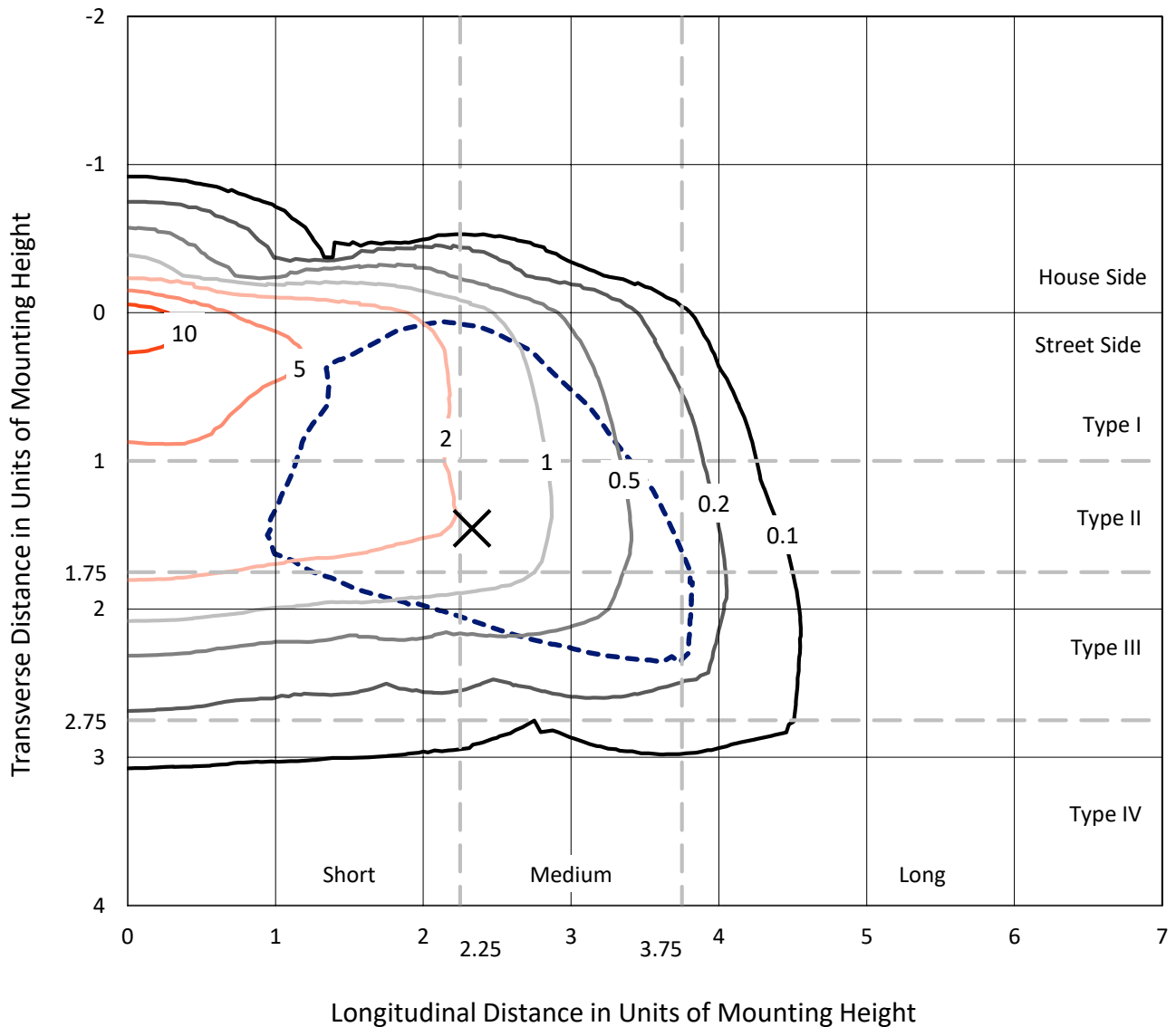
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

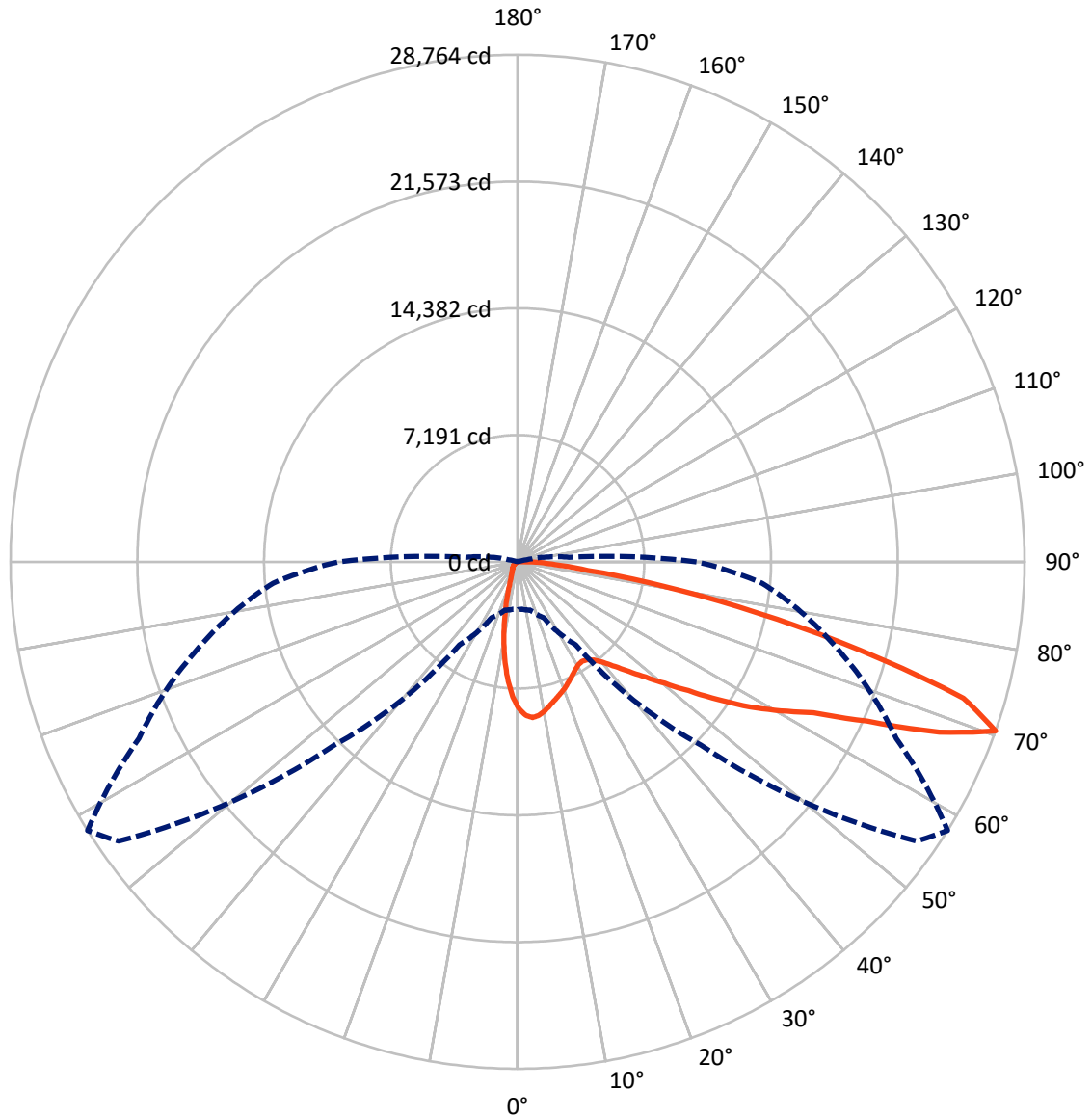
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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	2409.9	0.0	2409.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	25750.1	0.0	25750.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	28160.0	0.0	28160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.2	2.4
10°-20°	1427.6	5.1
20°-30°	1876.8	6.7
30°-40°	2485.7	8.8
40°-50°	3715.3	13.2
50°-60°	5951.8	21.1
60°-70°	7502.2	26.6
70°-80°	4046.6	14.4
80°-90°	473.7	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°	28160.0	100.0
0°-180°	28160.0	100.0

Coefficient of Utilization

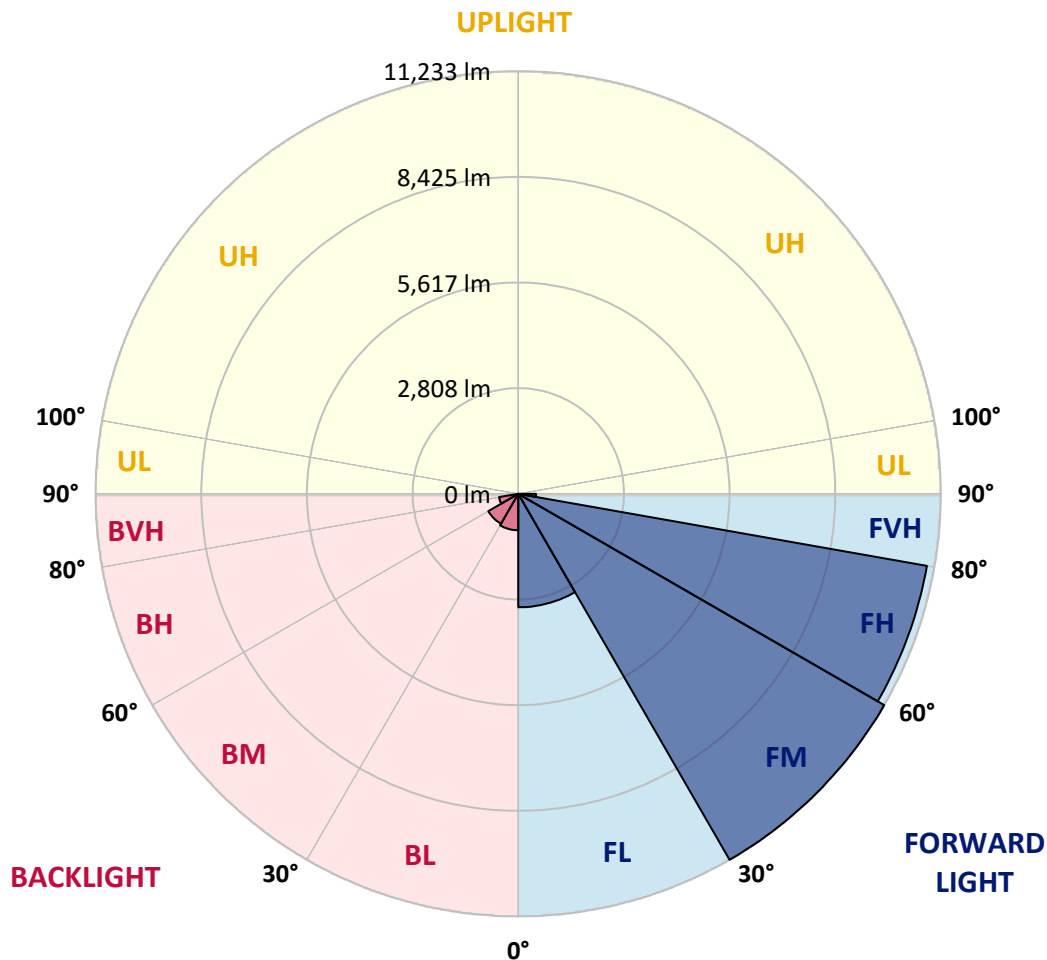


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3016.5	10.7			
FM (30°-60°)	11233.5	39.9			
FH (60°-80°)	11030.6	39.2			G4/12000
FVH (80°-90°)	469.6	1.7			G3/500
BL (0°-30°)	968.2	3.4	B2/1000		
BM (30°-60°)	919.3	3.3	B1/1000		
BH (60°-80°)	518.3	1.8	B2/1000		G2/1000
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3
2.5°	9008.0	8985.8	8977.6	8963.5	8909.7	8857.0	8752.7	8723.5	8657.9	8502.2	8337.1
5°	9015.0	9013.9	9038.5	9032.6	9013.9	8989.3	8914.3	8875.7	8764.5	8542.0	8239.9
7.5°	8580.6	8602.9	8657.9	8702.4	8753.9	8820.7	8830.0	8792.6	8701.2	8461.2	8060.7
10°	7997.5	8032.6	8109.9	8197.7	8332.4	8465.9	8585.3	8580.6	8549.0	8312.5	7845.3
12.5°	7413.2	7454.2	7543.2	7673.1	7864.0	8081.8	8294.9	8324.2	8376.9	8179.0	7646.2
15°	6901.5	6936.6	7024.4	7183.7	7420.2	7713.0	8025.6	8079.5	8215.3	8074.8	7479.9
17.5°	6467.1	6489.3	6553.7	6730.5	7004.5	7359.3	7765.6	7871.0	8073.6	7992.8	7335.9
20°	6163.8	6167.3	6209.5	6333.6	6607.6	7004.5	7496.3	7647.4	7923.7	7922.6	7187.2
22.5°	6013.9	6002.2	6010.4	6081.8	6283.2	6666.1	7227.0	7406.2	7789.1	7862.8	7036.2
25°	5985.8	5976.5	5953.0	5962.4	6084.2	6369.9	6955.4	7162.6	7670.8	7826.5	6905.0
27.5°	6073.6	6083.0	6043.2	6001.0	6010.4	6177.9	6714.1	6954.2	7574.8	7826.5	6812.5
30°	6250.5	6255.1	6225.9	6170.8	6097.1	6124.0	6546.7	6786.7	7526.8	7880.4	6754.0
32.5°	6446.0	6471.8	6468.3	6423.8	6318.4	6209.5	6506.9	6725.9	7523.3	7999.8	6748.1
35°	6688.4	6717.7	6766.8	6757.5	6647.4	6468.3	6642.7	6814.8	7592.4	8196.6	6811.3
37.5°	6946.0	6990.5	7095.9	7146.2	7074.8	6872.2	6947.2	7070.1	7777.4	8515.0	6971.8
40°	7195.4	7245.8	7437.8	7635.7	7581.8	7373.4	7408.5	7506.9	8106.4	8972.9	7276.2
42.5°	7440.1	7515.1	7797.3	8122.8	8187.2	8020.9	8039.6	8118.1	8594.7	9602.8	7773.8
45°	7732.9	7817.2	8235.2	8636.8	8809.0	8736.4	8816.0	8867.5	9232.8	10435.4	8444.8
47.5°	8162.6	8259.8	8772.7	9230.5	9532.6	9579.4	9739.8	9773.8	10039.6	11404.9	9319.5
50°	9001.0	9027.9	9491.6	9907.3	10342.9	10623.9	10806.6	10832.3	11016.2	12464.6	10412.0
52.5°	10056.0	10073.6	10335.9	10614.5	11109.8	11683.6	12111.0	12147.3	12185.9	13497.4	11490.4
55°	11104.0	11101.6	11274.9	11438.9	12005.6	12839.3	13766.7	13788.9	13511.4	14477.5	12314.7
57.5°	11758.5	11821.8	12085.2	12296.0	13087.6	14156.6	15443.5	15525.4	14903.7	15203.4	13129.7
60°	11550.1	11580.6	12164.9	12944.7	14435.3	16028.9	17140.2	17161.2	15950.5	15928.2	14160.1
62.5°	9840.5	9856.9	10775.0	12382.7	15118.0	18457.5	19187.0	18843.9	17154.2	16934.1	15393.1
65°	6744.6	6851.1	7618.1	9605.2	13863.9	19980.9	22355.5	21787.6	18989.1	18383.7	16507.9
67.5°	3971.8	3949.6	4329.0	5792.6	10182.5	18969.2	26363.6	25799.2	21491.4	19354.4	16181.2
70°	2713.1	2697.8	2843.0	3507.0	5748.1	14715.2	27624.7	28764.0	23700.9	18701.0	13925.9
72.5°	1936.7	1944.9	2159.2	2724.8	3608.8	8573.6	23756.0	26452.6	23008.9	16302.9	10585.3
75°	1315.0	1337.2	1644.0	2235.3	3163.9	4361.7	16858.0	20108.5	18736.2	11848.7	6084.2
77.5°	707.2	731.8	1093.7	1800.9	2860.6	3030.4	10844.0	13839.3	11769.1	5326.6	1763.4
80°	295.1	309.1	511.7	1309.1	2471.8	2661.5	6380.4	8392.1	5015.1	1050.3	393.4
82.5°	127.6	134.7	213.1	781.0	1847.7	2247.0	3378.2	4037.4	1519.9	230.7	197.9
85°	24.6	25.8	87.8	413.3	1179.1	1268.1	2189.7	2146.3	682.7	99.5	144.0
87.5°	0.0	0.0	21.1	130.0	346.6	690.9	1336.0	1319.6	231.8	48.0	53.9
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°	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3	8318.3
2.5°	8252.8	8172.0	8002.2	7792.6	7632.2	7455.4	7314.8	7136.9	7059.6	7063.1	7020.9
5°	8067.8	7901.5	7525.6	7051.4	6686.0	6309.0	5984.7	5661.5	5470.6	5408.6	5350.0
7.5°	7803.1	7539.7	6940.1	6209.5	5591.2	4987.0	4461.3	3998.7	3706.0	3563.2	3510.5
10°	7504.5	7134.5	6266.9	5304.3	4421.5	3604.1	2922.7	2330.2	2093.6	1933.2	1892.2
12.5°	7242.2	6741.1	5608.8	4375.8	3327.8	2341.9	1692.0	1323.2	1162.7	1099.5	1089.0
15°	6995.2	6373.4	4975.3	3535.1	2304.4	1441.4	1076.1	950.8	913.3	902.8	902.8
17.5°	6762.2	6023.3	4355.9	2707.2	1524.6	1010.5	891.1	863.0	851.3	850.1	851.3
20°	6518.6	5673.2	3747.0	1983.6	1064.4	856.0	823.2	807.9	804.4	804.4	804.4
22.5°	6285.6	5323.1	3154.5	1416.8	853.6	781.0	764.6	754.1	750.6	749.4	747.1
25°	6061.9	4990.5	2576.1	1001.2	749.4	715.4	701.4	687.3	676.8	670.9	667.4
27.5°	5878.1	4694.3	2037.4	803.3	676.8	647.5	630.0	608.9	583.1	571.4	566.7
30°	5731.7	4423.8	1570.2	678.0	608.9	579.6	552.7	516.4	478.9	459.0	457.8
32.5°	5617.0	4158.0	1192.0	599.5	548.0	511.7	473.1	427.4	384.1	361.8	360.6
35°	5560.8	3923.8	911.0	542.1	494.1	448.5	400.5	350.1	308.0	286.9	284.5
37.5°	5598.2	3725.9	710.8	494.1	448.5	395.8	339.6	286.9	249.4	230.7	229.5
40°	5735.2	3599.5	577.3	453.2	409.8	345.4	284.5	235.4	203.7	188.5	187.3
42.5°	6026.8	3552.6	493.0	419.2	372.4	298.6	236.5	194.4	165.1	154.6	152.2
45°	6513.9	3621.7	435.6	386.4	333.7	254.1	195.5	159.2	133.5	125.3	124.1
47.5°	7162.6	3803.2	394.6	354.8	298.6	214.3	162.8	128.8	108.9	100.7	99.5
50°	7998.7	4091.3	360.6	323.2	265.8	181.5	134.7	101.9	84.3	78.5	78.5
52.5°	8908.5	4434.3	330.2	293.9	233.0	151.1	108.9	78.5	66.7	59.7	59.7
55°	9660.2	4734.1	297.4	271.7	193.2	125.3	83.1	59.7	49.2	45.7	45.7
57.5°	10410.8	5053.8	259.9	233.0	154.6	101.9	63.2	44.5	36.3	34.0	34.0
60°	11383.8	5444.9	223.6	189.7	121.8	77.3	46.8	31.6	26.9	25.8	25.8
62.5°	12454.1	5674.4	190.9	152.2	94.8	57.4	34.0	21.1	19.9	19.9	18.7
65°	13108.6	5350.0	160.4	121.8	73.8	43.3	22.2	15.2	17.6	16.4	14.1
67.5°	12273.8	4188.4	131.1	94.8	57.4	32.8	14.1	10.5	18.7	15.2	11.7
70°	10162.6	2932.0	101.9	66.7	45.7	28.1	9.4	7.0	19.9	15.2	9.4
72.5°	7605.2	1962.5	80.8	44.5	34.0	24.6	8.2	3.5	17.6	12.9	8.2
75°	4155.7	790.4	64.4	28.1	21.1	17.6	5.9	2.3	11.7	9.4	5.9
77.5°	1093.7	208.4	46.8	18.7	11.7	7.0	3.5	1.2	5.9	4.7	2.3
80°	278.7	80.8	30.4	12.9	8.2	3.5	0.0	0.0	1.2	0.0	0.0
82.5°	148.7	34.0	18.7	9.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	112.4	22.2	10.5	5.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	43.3	7.0	3.5	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)