

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: P323533

Luminaire Tested: **GAN-SA9C-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323533
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-SA9C-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA 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: 54021 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

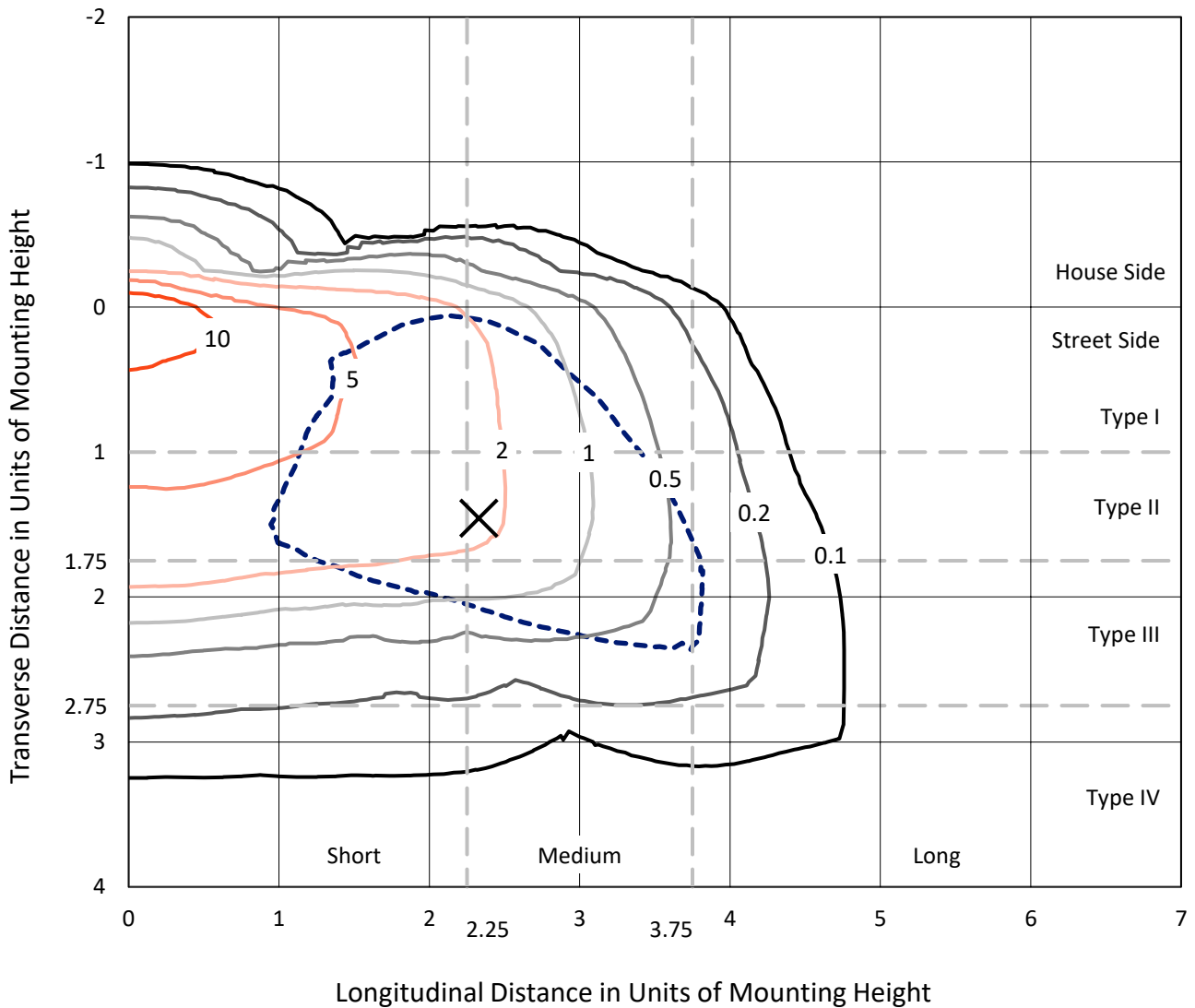
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

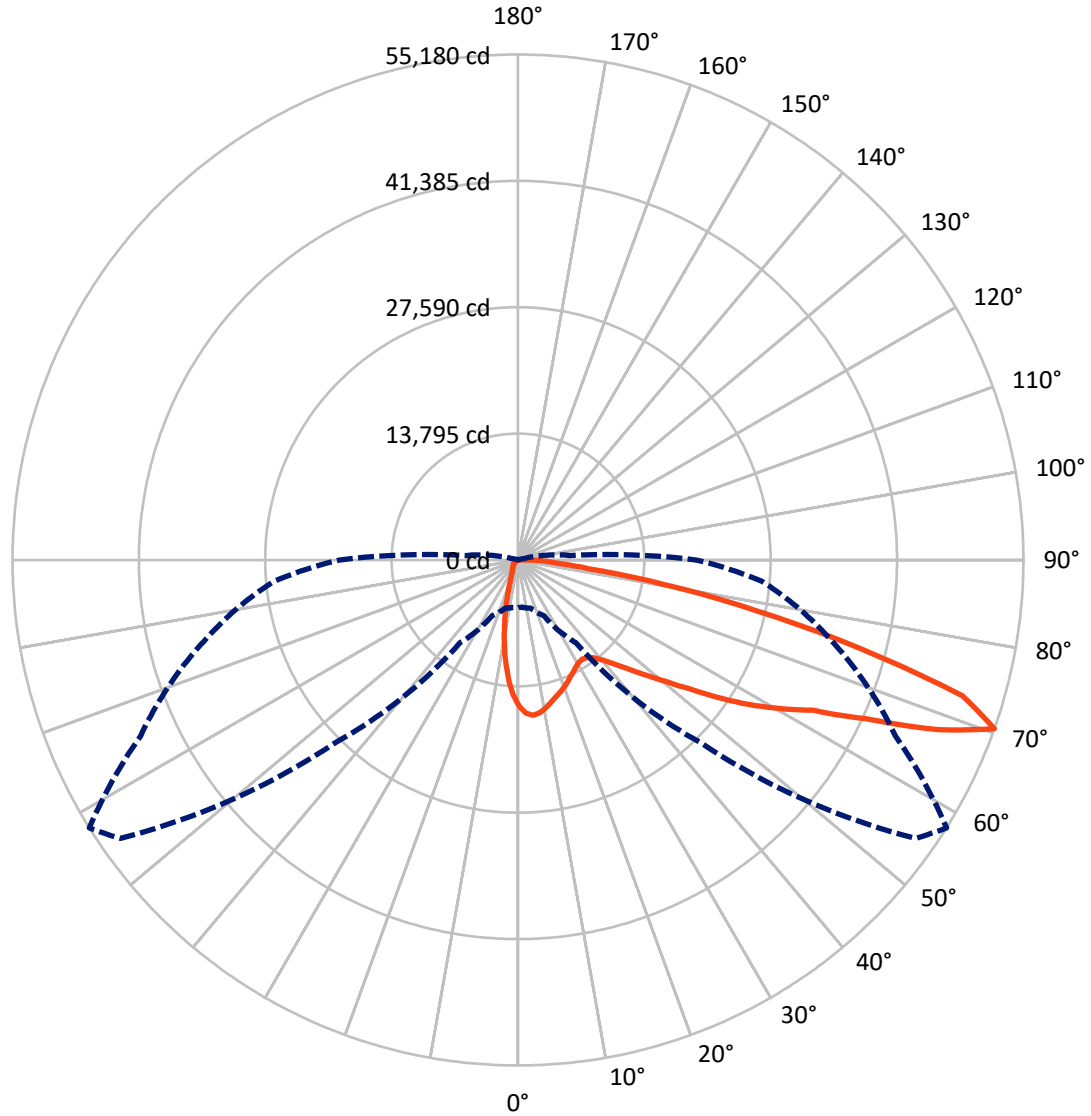
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 18 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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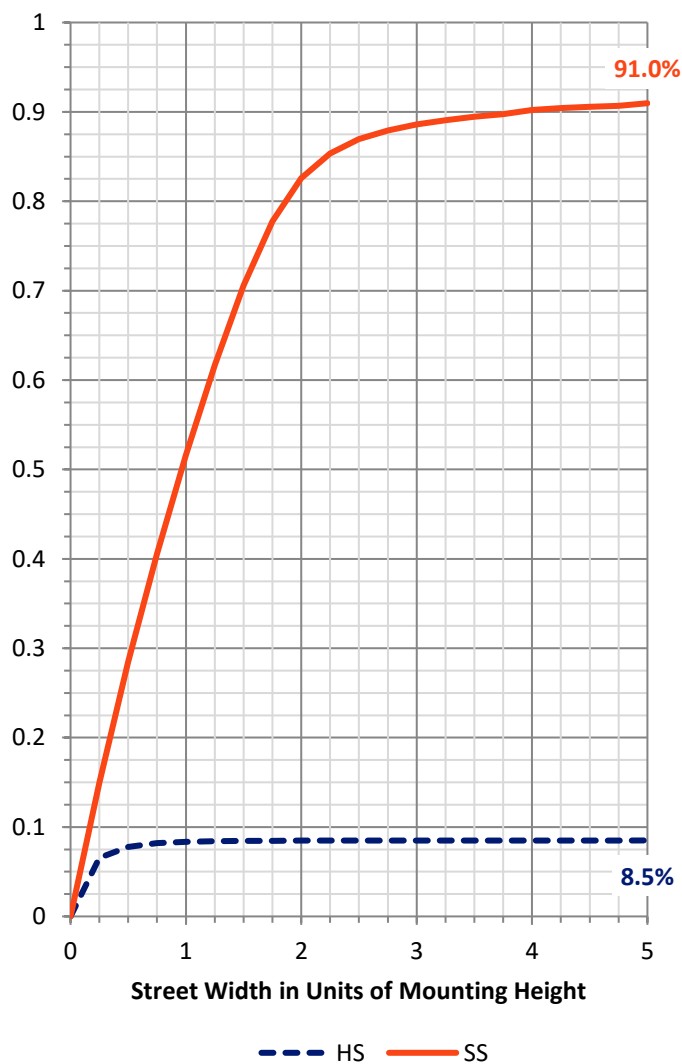
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4623.0	0.0	4623.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	49398.0	0.0	49398.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	54021.0	0.0	54021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1304.9	2.4
10°-20°	2738.7	5.1
20°-30°	3600.5	6.7
30°-40°	4768.4	8.8
40°-50°	7127.3	13.2
50°-60°	11417.7	21.1
60°-70°	14391.9	26.6
70°-80°	7762.9	14.4
80°-90°	908.7	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°	54021.0	100.0
0°-180°	54021.0	100.0

Coefficient of Utilization



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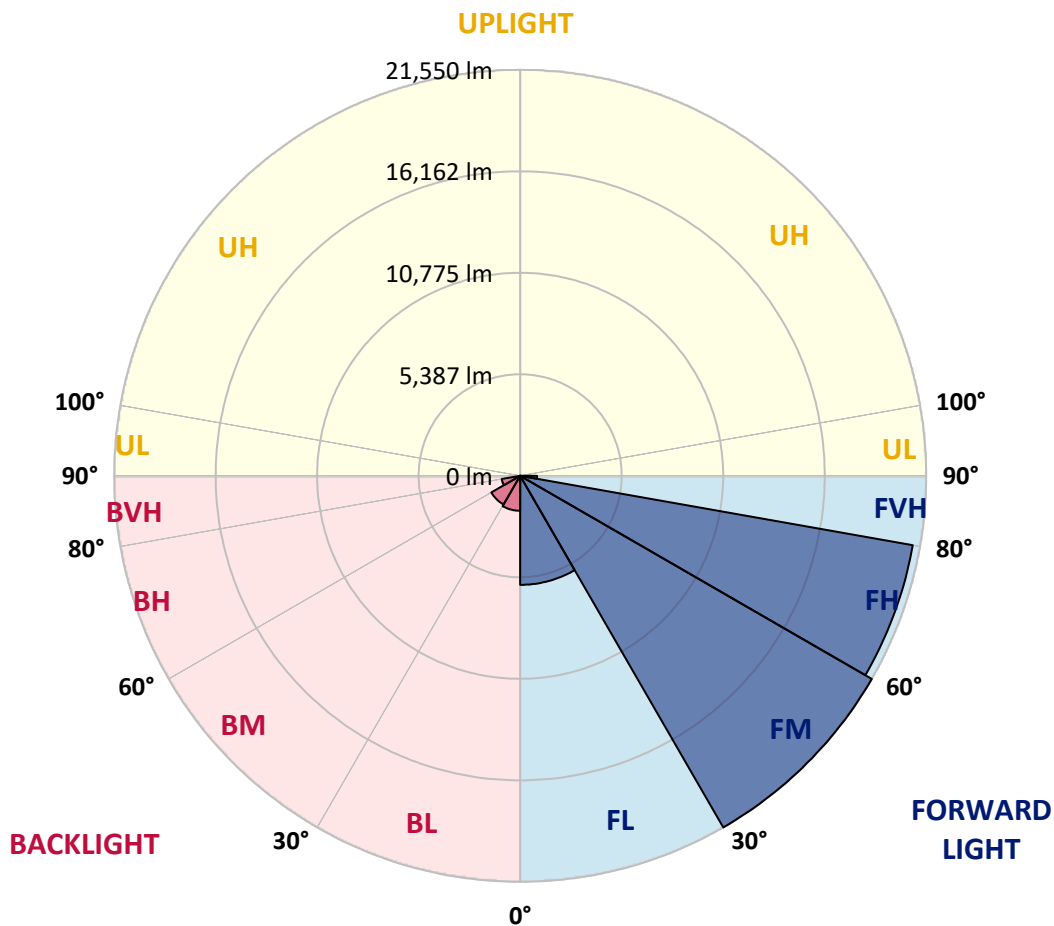
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5786.8	10.7			
FM (30°-60°)	21549.8	39.9			
FH (60°-80°)	21160.6	39.2			G5
FVH (80°-90°)	900.8	1.7			G5
BL (0°-30°)	1857.3	3.4	B3/2500		
BM (30°-60°)	1763.6	3.3	B2/2500		
BH (60°-80°)	994.2	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.8	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°	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5
2.5°	17280.6	17237.9	17222.2	17195.2	17091.9	16990.8	16790.9	16734.8	16609.0	16310.2	15993.5
5°	17294.1	17291.8	17339.0	17327.8	17291.8	17244.7	17100.9	17026.8	16813.4	16386.6	15807.0
7.5°	16460.7	16503.4	16609.0	16694.3	16793.2	16921.2	16939.2	16867.3	16692.1	16231.6	15463.4
10°	15342.1	15409.5	15557.7	15726.2	15984.5	16240.6	16469.7	16460.7	16400.1	15946.3	15050.1
12.5°	14221.2	14299.8	14470.5	14719.8	15086.0	15503.8	15912.6	15968.8	16069.9	15690.2	14668.2
15°	13239.6	13306.9	13475.4	13780.9	14234.7	14796.2	15396.0	15499.3	15759.9	15490.3	14349.2
17.5°	12406.2	12448.9	12572.4	12911.6	13437.2	14117.8	14897.3	15099.5	15488.1	15333.1	14072.9
20°	11824.4	11831.1	11912.0	12150.1	12675.7	13437.2	14380.7	14670.4	15200.6	15198.3	13787.6
22.5°	11536.9	11514.4	11530.1	11667.2	12053.5	12788.1	13864.0	14207.7	14942.2	15083.7	13497.9
25°	11483.0	11465.0	11420.1	11438.0	11671.7	12219.7	13342.9	13740.5	14715.4	15014.1	13246.3
27.5°	11651.4	11669.4	11593.0	11512.2	11530.1	11851.4	12880.1	13340.6	14531.2	15014.1	13068.8
30°	11990.6	11999.6	11943.5	11837.9	11696.4	11748.0	12558.9	13019.4	14439.1	15117.4	12956.5
32.5°	12365.8	12415.2	12408.4	12323.1	12120.9	11912.0	12482.6	12902.6	14432.3	15346.6	12945.3
35°	12830.7	12886.9	12981.2	12963.3	12752.1	12408.4	12743.1	13073.3	14564.9	15723.9	13066.6
37.5°	13324.9	13410.3	13612.4	13709.0	13572.0	13183.4	13327.2	13563.0	14919.8	16334.9	13374.3
40°	13803.4	13900.0	14268.3	14648.0	14544.6	14144.8	14212.2	14400.9	15551.0	17213.2	13958.4
42.5°	14272.8	14416.6	14958.0	15582.4	15706.0	15387.0	15422.9	15573.4	16487.7	18421.7	14913.0
45°	14834.4	14996.1	15798.1	16568.5	16898.7	16759.5	16912.2	17011.1	17711.9	20018.8	16200.1
47.5°	15658.8	15845.2	16829.1	17707.4	18286.9	18376.8	18684.5	18749.7	19259.6	21878.7	17878.1
50°	17267.1	17318.8	18208.3	19005.7	19841.4	20380.5	20730.9	20780.3	21133.0	23911.6	19973.9
52.5°	19291.0	19324.7	19827.9	20362.5	21312.7	22413.3	23233.2	23302.9	23377.0	25892.8	22042.7
55°	21301.4	21296.9	21629.4	21943.9	23031.1	24630.4	26409.5	26452.2	25919.8	27773.0	23624.1
57.5°	22557.1	22678.4	23183.8	23588.1	25106.6	27157.5	29626.1	29783.4	28590.6	29165.7	25187.5
60°	22157.3	22215.7	23336.6	24832.6	27692.1	30749.3	32881.0	32921.4	30598.8	30556.1	27164.2
62.5°	18877.7	18909.2	20670.2	23754.4	29001.7	35408.1	36807.5	36149.3	32907.9	32485.6	29529.5
65°	12938.6	13143.0	14614.3	18426.2	26595.9	38330.5	42885.9	41796.5	36427.9	35266.5	31668.0
67.5°	7619.4	7576.7	8304.5	11112.3	19533.6	36389.7	50574.9	49492.2	41228.2	37128.7	31041.3
70°	5204.6	5175.4	5454.0	6727.6	11027.0	28229.0	52994.2	55179.8	45466.9	35875.3	26715.0
72.5°	3715.3	3731.1	4142.1	5227.1	6923.0	16447.2	45572.5	50745.6	44139.3	31274.9	20306.3
75°	2522.6	2565.2	3153.8	4288.1	6069.4	8367.4	32339.6	38575.3	35942.7	22730.1	11671.7
77.5°	1356.8	1403.9	2098.0	3454.8	5487.7	5813.4	20802.8	26548.7	22577.3	10218.3	3382.9
80°	566.1	593.0	981.6	2511.3	4741.9	5105.8	12240.0	16099.1	9620.8	2014.9	754.7
82.5°	244.8	258.3	408.8	1498.3	3544.6	4310.6	6480.5	7745.2	2915.7	442.5	379.6
85°	47.2	49.4	168.5	792.9	2262.0	2432.7	4200.5	4117.4	1309.6	190.9	276.3
87.5°	0.0	0.0	40.4	249.3	664.9	1325.3	2563.0	2531.6	444.8	92.1	103.3
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°	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5	15957.5
2.5°	15831.8	15676.8	15351.1	14949.0	14641.2	14302.0	14032.5	13691.1	13542.8	13549.5	13468.7
5°	15476.8	15157.9	14436.8	13527.1	12826.2	12102.9	11480.7	10860.7	10494.6	10375.6	10263.2
7.5°	14969.2	14463.8	13313.7	11912.0	10726.0	9566.9	8558.3	7671.0	7109.5	6835.4	6734.3
10°	14396.4	13686.6	12022.1	10175.6	8481.9	6914.0	5606.7	4470.1	4016.3	3708.6	3630.0
12.5°	13893.2	12931.8	10759.7	8394.3	6383.9	4492.6	3245.9	2538.3	2230.6	2109.3	2089.0
15°	13419.3	12226.5	9544.4	6781.5	4420.7	2765.2	2064.3	1824.0	1752.1	1731.9	1731.9
17.5°	12972.2	11554.8	8356.1	5193.4	2924.7	1938.5	1709.4	1655.5	1633.0	1630.8	1633.0
20°	12505.0	10883.2	7188.1	3805.2	2041.9	1642.0	1579.1	1549.9	1543.2	1543.2	1543.2
22.5°	12058.0	10211.6	6051.5	2718.0	1637.5	1498.3	1466.8	1446.6	1439.9	1437.6	1433.1
25°	11629.0	9573.6	4941.8	1920.6	1437.6	1372.5	1345.5	1318.6	1298.3	1287.1	1280.4
27.5°	11276.3	9005.3	3908.5	1540.9	1298.3	1242.2	1208.5	1168.1	1118.6	1096.2	1087.2
30°	10995.5	8486.4	3012.3	1300.6	1168.1	1111.9	1060.2	990.6	918.7	880.5	878.3
32.5°	10775.4	7976.5	2286.7	1150.1	1051.3	981.6	907.5	819.9	736.8	694.1	691.9
35°	10667.6	7527.3	1747.6	1040.0	947.9	860.3	768.2	671.6	590.8	550.3	545.8
37.5°	10739.4	7147.7	1363.5	947.9	860.3	759.2	651.4	550.3	478.5	442.5	440.3
40°	11002.3	6905.1	1107.4	869.3	786.2	662.7	545.8	451.5	390.9	361.7	359.4
42.5°	11561.6	6815.2	945.7	804.2	714.3	572.8	453.7	372.9	316.7	296.5	292.0
45°	12496.0	6947.7	835.6	741.3	640.2	487.4	375.1	305.5	256.1	240.4	238.1
47.5°	13740.5	7295.9	757.0	680.6	572.8	411.1	312.2	247.1	208.9	193.2	190.9
50°	15344.3	7848.5	691.9	620.0	509.9	348.2	258.3	195.4	161.7	150.5	150.5
52.5°	17089.7	8506.6	633.4	563.8	447.0	289.8	208.9	150.5	128.0	114.6	114.6
55°	18531.8	9081.7	570.6	521.1	370.6	240.4	159.5	114.6	94.3	87.6	87.6
57.5°	19971.6	9694.9	498.7	447.0	296.5	195.4	121.3	85.4	69.6	65.1	65.1
60°	21838.3	10445.2	429.0	363.9	233.6	148.3	89.9	60.6	51.7	49.4	49.4
62.5°	23891.4	10885.5	366.1	292.0	181.9	110.1	65.1	40.4	38.2	38.2	35.9
65°	25147.1	10263.2	307.7	233.6	141.5	83.1	42.7	29.2	33.7	31.4	27.0
67.5°	23545.5	8034.9	251.6	181.9	110.1	62.9	27.0	20.2	35.9	29.2	22.5
70°	19495.4	5624.7	195.4	128.0	87.6	53.9	18.0	13.5	38.2	29.2	18.0
72.5°	14589.6	3764.8	155.0	85.4	65.1	47.2	15.7	6.7	33.7	24.7	15.7
75°	7972.0	1516.2	123.5	53.9	40.4	33.7	11.2	4.5	22.5	18.0	11.2
77.5°	2098.0	399.8	89.9	35.9	22.5	13.5	6.7	2.2	11.2	9.0	4.5
80°	534.6	155.0	58.4	24.7	15.7	6.7	0.0	0.0	2.2	0.0	0.0
82.5°	285.3	65.1	35.9	18.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	215.6	42.7	20.2	11.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	83.1	13.5	6.7	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)