

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: P323573

Luminaire Tested: **GAN-SA9C-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323573
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-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 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: 54020 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

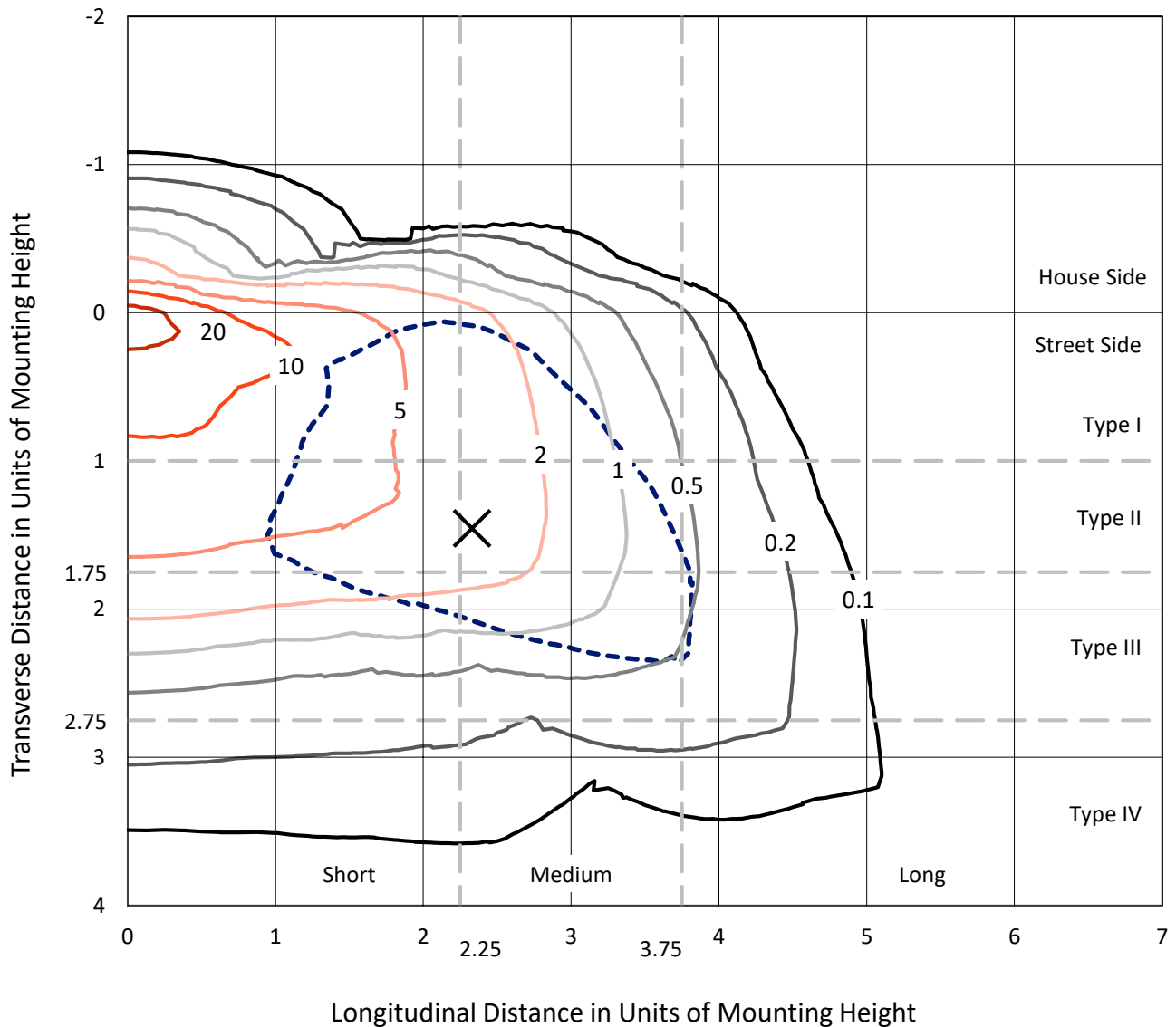
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

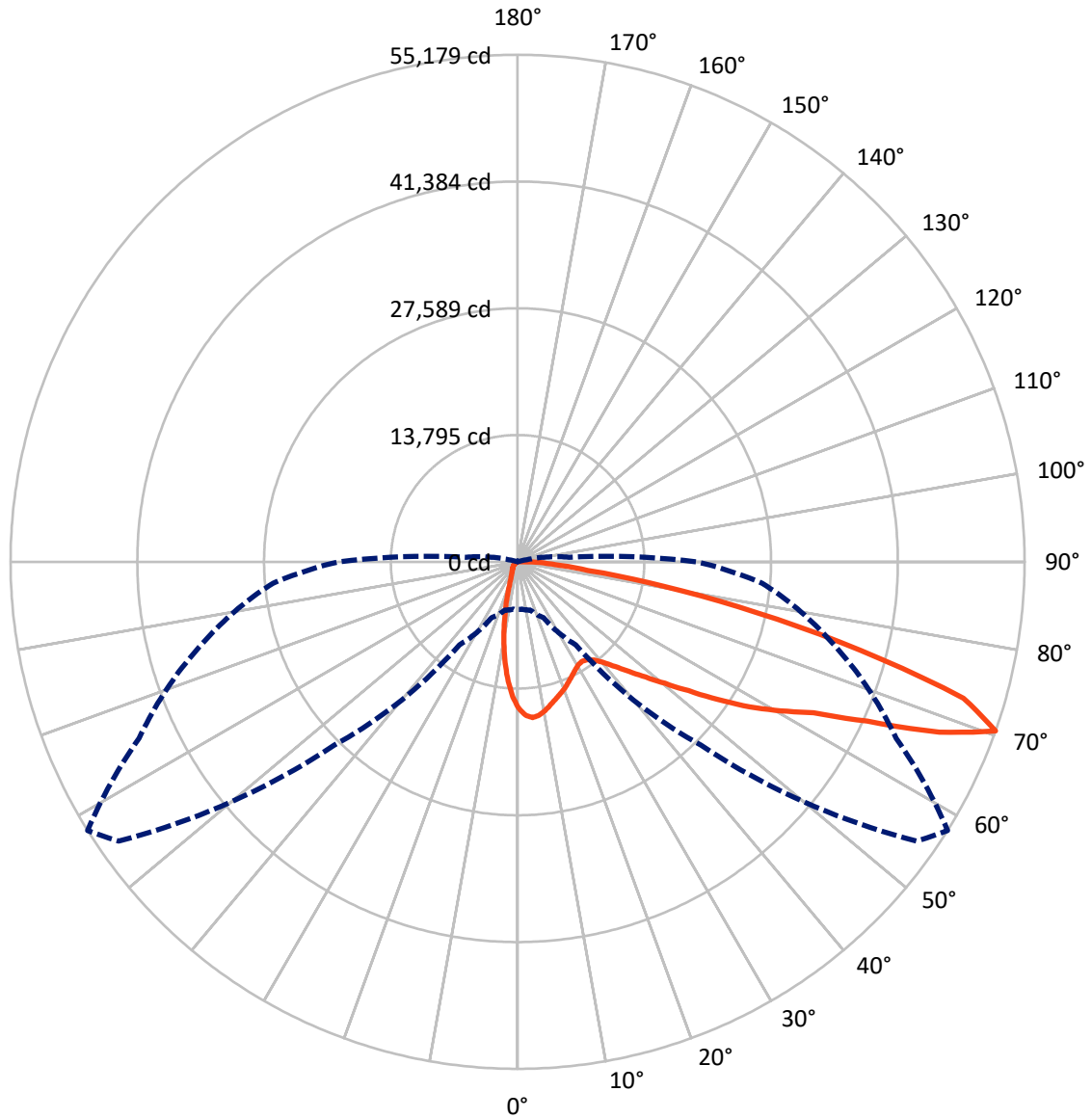
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.9 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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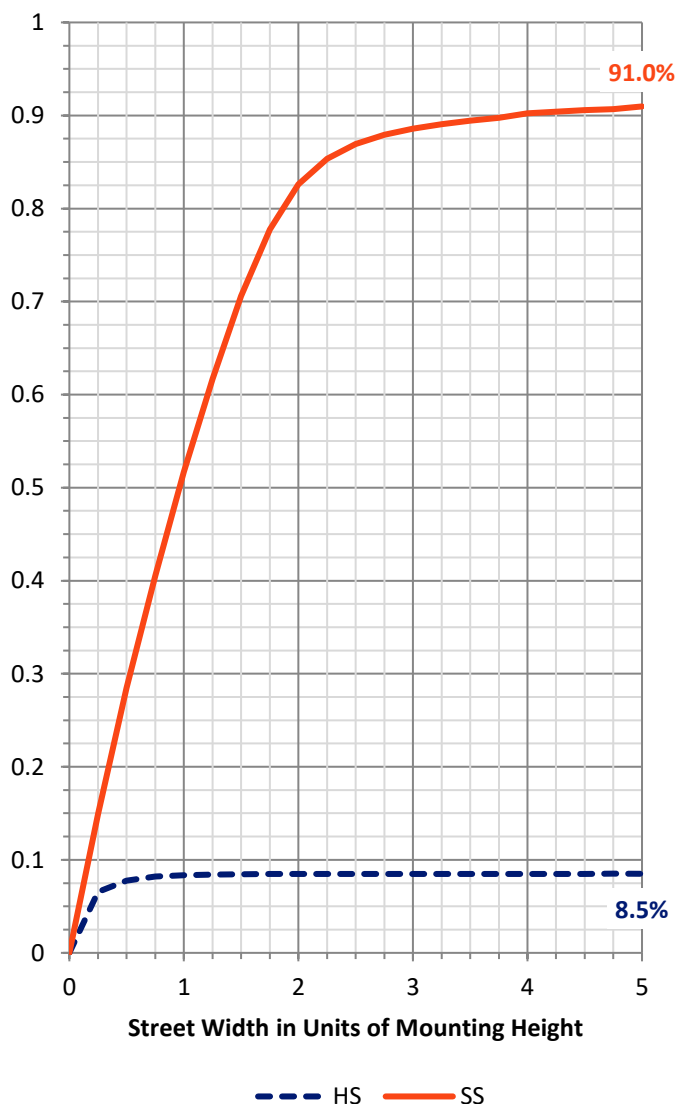
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4622.9	0.0	4622.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	49397.1	0.0	49397.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	54020.0	0.0	54020.0
	% 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°	3600.4	6.7
30°-40°	4768.3	8.8
40°-50°	7127.2	13.2
50°-60°	11417.5	21.1
60°-70°	14391.6	26.6
70°-80°	7762.8	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°	54020.0	100.0
0°-180°	54020.0	100.0

Coefficient of Utilization

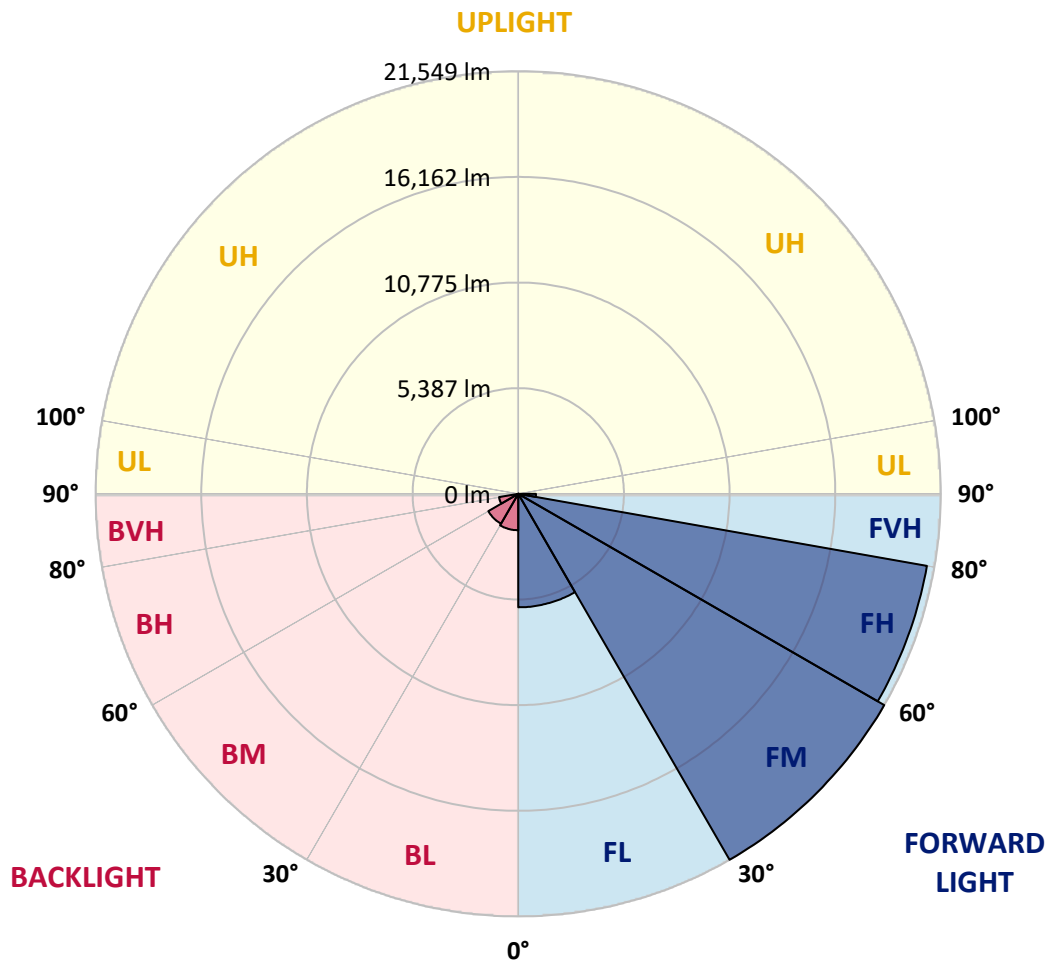


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5786.7	10.7			
FM (30°-60°)	21549.4	39.9			
FH (60°-80°)	21160.2	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°	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3
2.5°	17280.3	17237.6	17221.9	17194.9	17091.6	16990.5	16790.6	16734.4	16608.7	16309.9	15993.2
5°	17293.8	17291.5	17338.7	17327.5	17291.5	17244.3	17100.6	17026.5	16813.1	16386.3	15806.8
7.5°	16460.4	16503.1	16608.7	16694.0	16792.9	16920.9	16938.9	16867.0	16691.8	16231.3	15463.1
10°	15341.8	15409.2	15557.4	15725.9	15984.2	16240.3	16469.4	16460.4	16399.8	15946.0	15049.8
12.5°	14220.9	14299.5	14470.2	14719.6	15085.7	15503.5	15912.3	15968.5	16069.6	15690.0	14667.9
15°	13239.3	13306.7	13475.2	13780.7	14234.4	14795.9	15395.7	15499.0	15759.6	15490.0	14348.9
17.5°	12406.0	12448.6	12572.2	12911.4	13437.0	14117.6	14897.0	15099.2	15487.8	15332.8	14072.7
20°	11824.2	11830.9	11911.8	12149.9	12675.5	13437.0	14380.4	14670.2	15200.3	15198.0	13787.4
22.5°	11536.7	11514.2	11529.9	11666.9	12053.3	12787.8	13863.8	14207.4	14942.0	15083.5	13497.6
25°	11482.8	11464.8	11419.9	11437.8	11671.4	12219.5	13342.6	13740.2	14715.1	15013.8	13246.0
27.5°	11651.2	11669.2	11592.8	11512.0	11529.9	11851.1	12879.9	13340.4	14530.9	15013.8	13068.6
30°	11990.4	11999.4	11943.2	11837.7	11696.1	11747.8	12558.7	13019.2	14438.8	15117.2	12956.3
32.5°	12365.5	12414.9	12408.2	12322.8	12120.7	11911.8	12482.3	12902.4	14432.1	15346.3	12945.1
35°	12830.5	12886.6	12981.0	12963.0	12751.9	12408.2	12742.9	13073.1	14564.6	15723.6	13066.3
37.5°	13324.7	13410.0	13612.2	13708.8	13571.8	13183.2	13326.9	13562.8	14919.5	16334.6	13374.1
40°	13803.1	13899.7	14268.1	14647.7	14544.4	14144.5	14211.9	14400.6	15550.7	17212.9	13958.1
42.5°	14272.6	14416.3	14957.7	15582.1	15705.7	15386.7	15422.6	15573.1	16487.4	18421.4	14912.8
45°	14834.1	14995.9	15797.8	16568.2	16898.4	16759.2	16911.9	17010.7	17711.6	20018.4	16199.8
47.5°	15658.5	15844.9	16828.8	17707.1	18286.6	18376.4	18684.2	18749.3	19259.2	21878.3	17877.8
50°	17266.8	17318.5	18208.0	19005.4	19841.0	20380.1	20730.5	20779.9	21132.6	23911.2	19973.5
52.5°	19290.7	19324.4	19827.5	20362.1	21312.3	22412.9	23232.8	23302.4	23376.6	25892.3	22042.3
55°	21301.0	21296.6	21629.0	21943.5	23030.6	24630.0	26409.0	26451.7	25919.3	27772.4	23623.7
57.5°	22556.7	22678.0	23183.4	23587.7	25106.2	27157.0	29625.6	29782.8	28590.1	29165.1	25187.0
60°	22156.9	22215.3	23336.1	24832.1	27691.6	30748.7	32880.4	32920.8	30598.2	30555.5	27163.7
62.5°	18877.4	18908.8	20669.9	23753.9	29001.1	35407.4	36806.8	36148.7	32907.3	32485.0	29529.0
65°	12938.3	13142.7	14614.0	18425.9	26595.4	38329.8	42885.1	41795.7	36427.2	35265.9	31667.4
67.5°	7619.2	7576.6	8304.3	11112.1	19533.3	36389.0	50574.0	49491.3	41227.4	37128.0	31040.7
70°	5204.5	5175.3	5453.9	6727.5	11026.8	28228.4	52993.2	55178.8	45466.0	35874.6	26714.5
72.5°	3715.3	3731.0	4142.1	5227.0	6922.9	16446.9	45571.6	50744.7	44138.5	31274.3	20306.0
75°	2522.5	2565.2	3153.7	4288.1	6069.3	8367.2	32339.0	38574.6	35942.0	22729.7	11671.4
77.5°	1356.7	1403.9	2098.0	3454.7	5487.6	5813.3	20802.4	26548.2	22576.9	10218.1	3382.8
80°	566.1	593.0	981.6	2511.3	4741.8	5105.7	12239.7	16098.8	9620.6	2014.9	754.7
82.5°	244.8	258.3	408.8	1498.2	3544.6	4310.5	6480.4	7745.0	2915.6	442.5	379.6
85°	47.2	49.4	168.5	792.9	2262.0	2432.7	4200.5	4117.3	1309.6	190.9	276.3
87.5°	0.0	0.0	40.4	249.3	664.9	1325.3	2563.0	2531.5	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°	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3	15957.3
2.5°	15831.5	15676.5	15350.8	14948.7	14641.0	14301.8	14032.2	13690.8	13542.5	13549.3	13468.4
5°	15476.6	15157.6	14436.6	13526.8	12826.0	12102.7	11480.5	10860.5	10494.4	10375.4	10263.0
7.5°	14968.9	14463.5	13313.4	11911.8	10725.8	9566.7	8558.2	7670.9	7109.3	6835.3	6734.2
10°	14396.1	13686.3	12021.8	10175.4	8481.8	6913.9	5606.6	4470.0	4016.3	3708.5	3629.9
12.5°	13893.0	12931.6	10759.5	8394.2	6383.8	4492.5	3245.8	2538.2	2230.5	2109.2	2089.0
15°	13419.0	12226.3	9544.3	6781.4	4420.6	2765.1	2064.3	1823.9	1752.1	1731.8	1731.8
17.5°	12972.0	11554.6	8356.0	5193.3	2924.6	1938.5	1709.4	1655.5	1633.0	1630.8	1633.0
20°	12504.8	10883.0	7188.0	3805.1	2041.8	1642.0	1579.1	1549.9	1543.2	1543.2	1543.2
22.5°	12057.8	10211.4	6051.4	2717.9	1637.5	1498.2	1466.8	1446.6	1439.8	1437.6	1433.1
25°	11628.8	9573.5	4941.7	1920.5	1437.6	1372.4	1345.5	1318.5	1298.3	1287.1	1280.4
27.5°	11276.1	9005.2	3908.4	1540.9	1298.3	1242.2	1208.5	1168.0	1118.6	1096.2	1087.2
30°	10995.3	8486.3	3012.2	1300.6	1168.0	1111.9	1060.2	990.6	918.7	880.5	878.3
32.5°	10775.2	7976.4	2286.7	1150.1	1051.2	981.6	907.5	819.9	736.8	694.1	691.8
35°	10667.4	7527.1	1747.6	1040.0	947.9	860.3	768.2	671.6	590.8	550.3	545.8
37.5°	10739.2	7147.5	1363.5	947.9	860.3	759.2	651.4	550.3	478.4	442.5	440.3
40°	11002.1	6904.9	1107.4	869.3	786.2	662.6	545.8	451.5	390.8	361.6	359.4
42.5°	11561.4	6815.1	945.7	804.2	714.3	572.8	453.7	372.9	316.7	296.5	292.0
45°	12495.8	6947.6	835.6	741.3	640.2	487.4	375.1	305.5	256.1	240.3	238.1
47.5°	13740.2	7295.8	757.0	680.6	572.8	411.1	312.2	247.1	208.9	193.2	190.9
50°	15344.0	7848.3	691.8	620.0	509.9	348.2	258.3	195.4	161.7	150.5	150.5
52.5°	17089.4	8506.5	633.4	563.8	447.0	289.8	208.9	150.5	128.0	114.6	114.6
55°	18531.4	9081.5	570.5	521.1	370.6	240.3	159.5	114.6	94.3	87.6	87.6
57.5°	19971.3	9694.7	498.7	447.0	296.5	195.4	121.3	85.4	69.6	65.1	65.1
60°	21837.9	10445.0	429.0	363.9	233.6	148.3	89.8	60.6	51.7	49.4	49.4
62.5°	23891.0	10885.3	366.1	292.0	181.9	110.1	65.1	40.4	38.2	38.2	35.9
65°	25146.6	10263.0	307.7	233.6	141.5	83.1	42.7	29.2	33.7	31.4	27.0
67.5°	23545.0	8034.8	251.6	181.9	110.1	62.9	27.0	20.2	35.9	29.2	22.5
70°	19495.1	5624.6	195.4	128.0	87.6	53.9	18.0	13.5	38.2	29.2	18.0
72.5°	14589.3	3764.7	155.0	85.4	65.1	47.2	15.7	6.7	33.7	24.7	15.7
75°	7971.9	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	89.8	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)