

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: P323531

Luminaire Tested: **GAN-SA7C-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323531
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-SA7C-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 42742 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

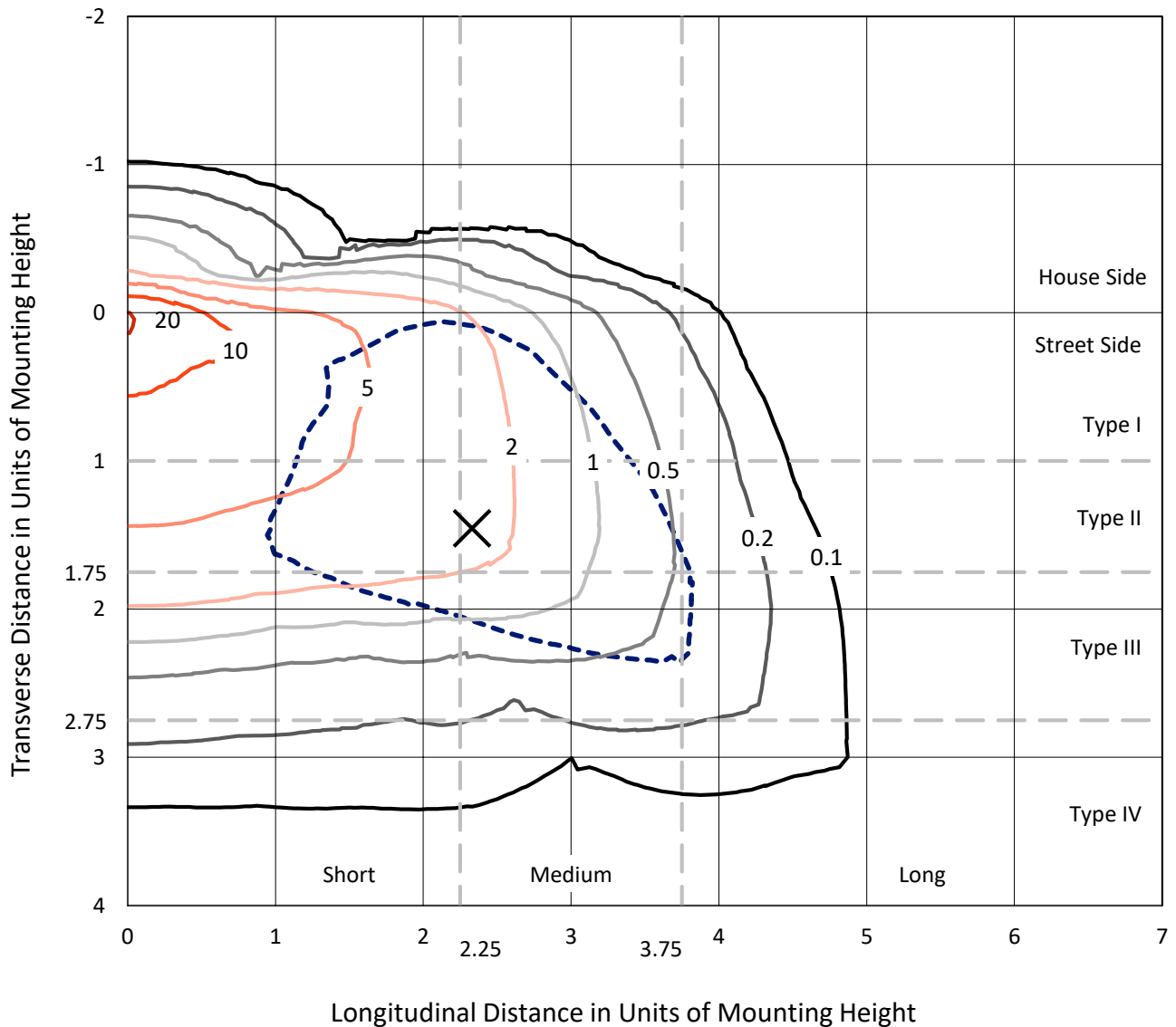
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

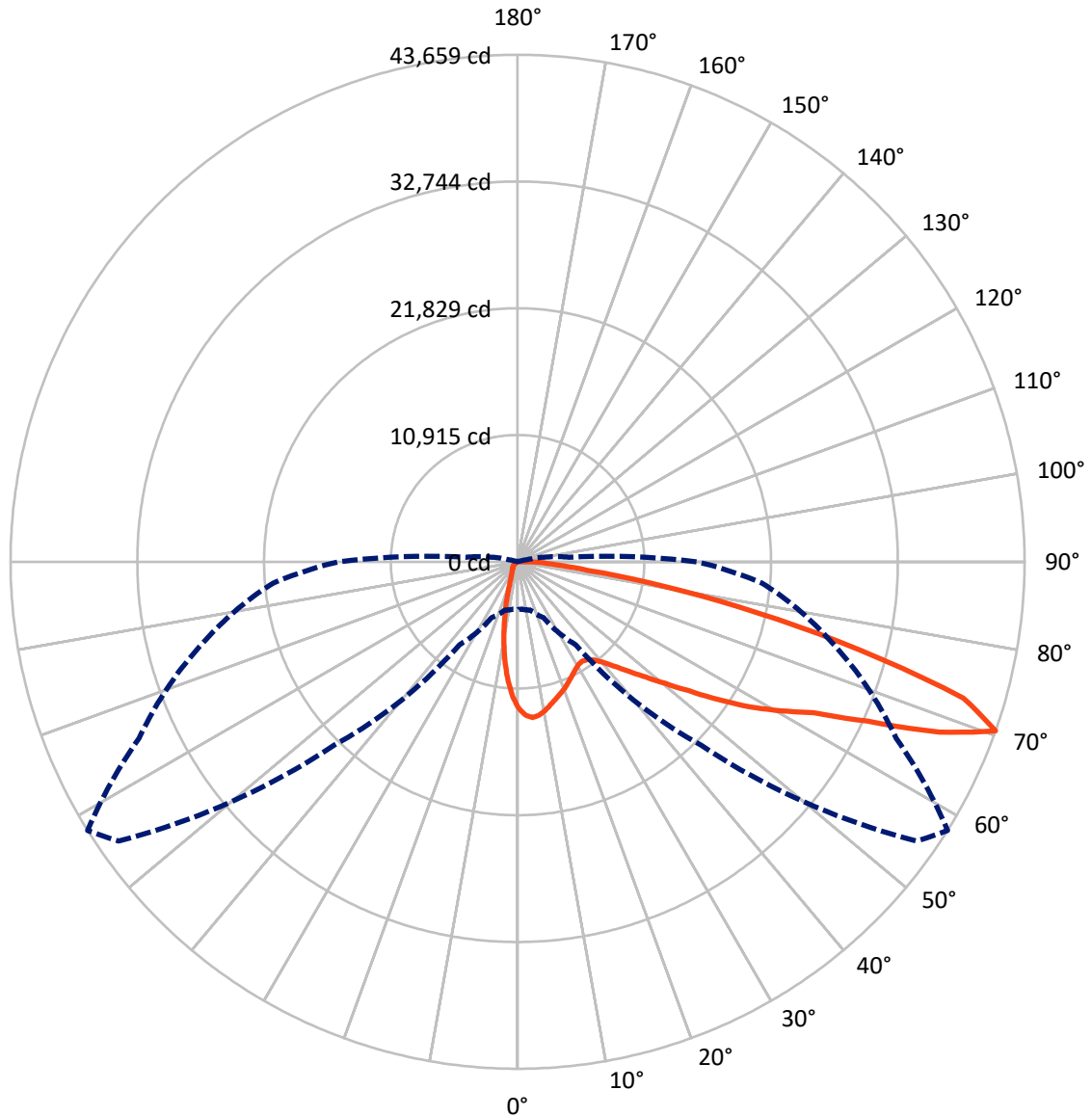
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.5 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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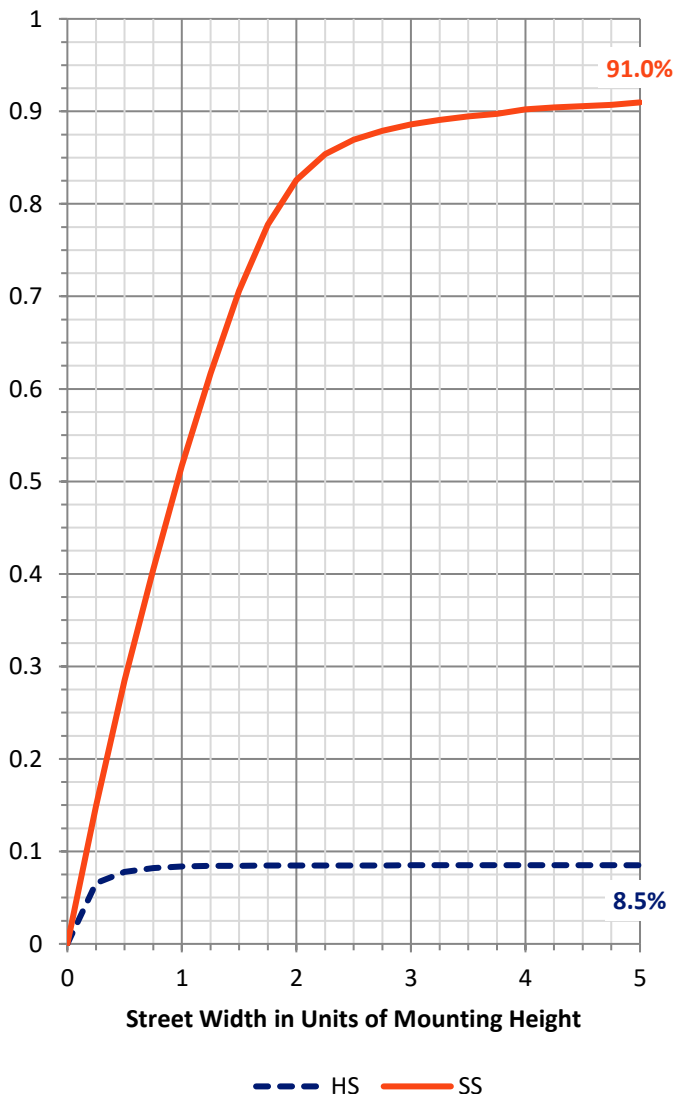
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3657.8	0.0	3657.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	39084.2	0.0	39084.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	42742.0	0.0	42742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.5	2.4
10°-20°	2166.9	5.1
20°-30°	2848.7	6.7
30°-40°	3772.8	8.8
40°-50°	5639.2	13.2
50°-60°	9033.8	21.1
60°-70°	11387.0	26.6
70°-80°	6142.1	14.4
80°-90°	719.0	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°	42742.0	100.0
0°-180°	42742.0	100.0

Coefficient of Utilization

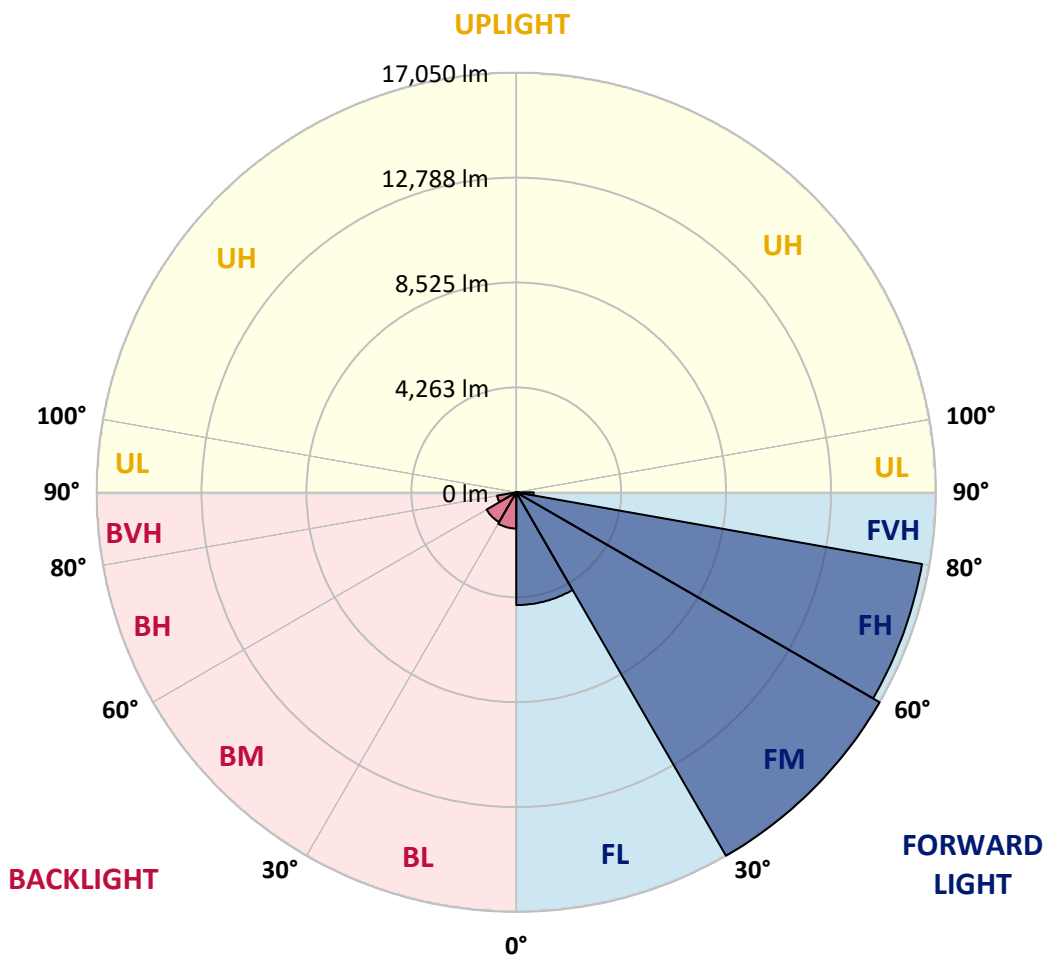


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4578.6	10.7			
FM (30°-60°)	17050.4	39.9			
FH (60°-80°)	16742.5	39.2			G5
FVH (80°-90°)	712.7	1.7			G4/750
BL (0°-30°)	1469.6	3.4	B3/2500		
BM (30°-60°)	1395.4	3.3	B2/2500		
BH (60°-80°)	786.6	1.8	B2/1000		G2/1000
BVH (80°-90°)	6.2	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°	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8
2.5°	13672.6	13638.8	13626.4	13605.1	13523.3	13443.3	13285.2	13240.7	13141.2	12904.8	12654.2
5°	13683.3	13681.5	13718.8	13709.9	13681.5	13644.2	13530.4	13471.8	13302.9	12965.2	12506.7
7.5°	13023.9	13057.7	13141.2	13208.7	13286.9	13388.2	13402.5	13345.6	13207.0	12842.6	12234.8
10°	12138.8	12192.1	12309.4	12442.7	12647.1	12849.7	13031.0	13023.9	12975.9	12616.9	11907.8
12.5°	11251.9	11314.2	11449.2	11646.5	11936.2	12266.8	12590.2	12634.7	12714.6	12414.3	11605.6
15°	10475.3	10528.6	10661.9	10903.6	11262.6	11706.9	12181.5	12263.2	12469.4	12256.1	11353.3
17.5°	9815.9	9849.7	9947.4	10215.8	10631.7	11170.2	11786.9	11946.9	12254.3	12131.7	11134.6
20°	9355.6	9360.9	9424.9	9613.3	10029.2	10631.7	11378.1	11607.4	12026.8	12025.1	10908.9
22.5°	9128.1	9110.3	9122.8	9231.2	9536.9	10118.0	10969.4	11241.3	11822.5	11934.4	10679.7
25°	9085.4	9071.2	9035.7	9049.9	9234.7	9668.4	10557.0	10871.6	11642.9	11879.3	10480.6
27.5°	9218.7	9233.0	9172.5	9108.6	9122.8	9376.9	10190.9	10555.3	11497.2	11879.3	10340.2
30°	9487.1	9494.2	9449.8	9366.3	9254.3	9295.2	9936.8	10301.1	11424.3	11961.1	10251.3
32.5°	9783.9	9823.0	9817.7	9750.1	9590.2	9424.9	9876.3	10208.7	11419.0	12142.4	10242.5
35°	10151.8	10196.2	10270.9	10256.7	10089.6	9817.7	10082.5	10343.8	11523.9	12440.9	10338.4
37.5°	10542.8	10610.4	10770.3	10846.7	10738.3	10430.8	10544.6	10731.2	11804.7	12924.4	10581.9
40°	10921.4	10997.8	11289.3	11589.6	11507.9	11191.5	11244.8	11394.1	12304.1	13619.3	11044.0
42.5°	11292.8	11406.6	11834.9	12329.0	12426.7	12174.4	12202.8	12321.9	13045.2	14575.5	11799.4
45°	11737.1	11865.1	12499.6	13109.2	13370.5	13260.3	13381.1	13459.3	14013.8	15839.1	12817.7
47.5°	12389.4	12536.9	13315.4	14010.3	14468.8	14539.9	14783.4	14834.9	15238.4	17310.7	14145.4
50°	13661.9	13702.8	14406.6	15037.6	15698.7	16125.2	16402.5	16441.6	16720.6	18919.1	15803.6
52.5°	15263.3	15289.9	15688.0	16111.0	16862.8	17733.7	18382.4	18437.5	18496.1	20486.7	17440.4
55°	16853.9	16850.4	17113.4	17362.2	18222.4	19487.9	20895.5	20929.2	20508.0	21974.3	18691.6
57.5°	17847.4	17943.4	18343.3	18663.2	19864.6	21487.3	23440.5	23564.9	22621.2	23076.2	19928.6
60°	17531.1	17577.3	18464.1	19647.8	21910.3	24329.2	26015.8	26047.8	24210.1	24176.3	21492.6
62.5°	14936.2	14961.1	16354.5	18794.7	22946.4	28015.2	29122.5	28601.7	26037.1	25703.0	23364.1
65°	10237.1	10398.9	11563.0	14579.0	21043.0	30327.5	33931.8	33069.8	28822.1	27903.3	25056.1
67.5°	6028.5	5994.8	6570.6	8792.2	15455.2	28791.9	40015.4	39158.8	32620.2	29376.6	24560.2
70°	4118.0	4094.8	4315.2	5322.9	8724.7	22335.1	41929.5	43658.8	35973.9	28384.9	21137.2
72.5°	2939.6	2952.1	3277.3	4135.7	5477.6	13013.2	36057.4	40150.5	34923.5	24745.0	16066.6
75°	1995.9	2029.7	2495.3	3392.8	4802.2	6620.4	25587.5	30521.2	28438.2	17984.3	9234.7
77.5°	1073.5	1110.8	1660.0	2733.5	4341.9	4599.6	16459.4	21005.7	17863.4	8084.8	2676.6
80°	447.9	469.2	776.7	1987.0	3751.8	4039.8	9684.4	12737.8	7612.1	1594.2	597.2
82.5°	193.7	204.4	323.5	1185.4	2804.5	3410.6	5127.4	6128.1	2306.9	350.1	300.4
85°	37.3	39.1	133.3	627.4	1789.7	1924.8	3323.5	3257.8	1036.2	151.1	218.6
87.5°	0.0	0.0	32.0	197.3	526.1	1048.6	2027.9	2003.0	351.9	72.9	81.8
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°	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8	12625.8
2.5°	12526.3	12403.6	12145.9	11827.8	11584.3	11315.9	11102.7	10832.5	10715.2	10720.5	10656.6
5°	12245.4	11993.1	11422.6	10702.8	10148.3	9576.0	9083.7	8593.1	8303.4	8209.2	8120.4
7.5°	11843.8	11443.9	10533.9	9424.9	8486.5	7569.4	6771.4	6069.4	5625.1	5408.3	5328.3
10°	11390.6	10829.0	9512.0	8051.1	6711.0	5470.5	4436.1	3536.8	3177.8	2934.3	2872.1
12.5°	10992.5	10231.8	8513.2	6641.7	5051.0	3554.6	2568.2	2008.3	1764.8	1668.9	1652.9
15°	10617.5	9673.7	7551.7	5365.6	3497.7	2187.8	1633.3	1443.1	1386.3	1370.3	1370.3
17.5°	10263.8	9142.3	6611.5	4109.1	2314.0	1533.8	1352.5	1309.9	1292.1	1290.3	1292.1
20°	9894.1	8610.9	5687.3	3010.7	1615.5	1299.2	1249.4	1226.3	1221.0	1221.0	1221.0
22.5°	9540.4	8079.5	4788.0	2150.5	1295.6	1185.4	1160.6	1144.6	1139.2	1137.5	1133.9
25°	9201.0	7574.8	3910.0	1519.6	1137.5	1085.9	1064.6	1043.3	1027.3	1018.4	1013.0
27.5°	8921.9	7125.1	3092.5	1219.2	1027.3	982.8	956.2	924.2	885.1	867.3	860.2
30°	8699.8	6714.6	2383.3	1029.0	924.2	879.8	838.9	783.8	726.9	696.7	694.9
32.5°	8525.6	6311.1	1809.3	910.0	831.8	776.7	718.0	648.7	582.9	549.2	547.4
35°	8440.3	5955.7	1382.7	822.9	750.0	680.7	607.8	531.4	467.4	435.4	431.9
37.5°	8497.2	5655.3	1078.8	750.0	680.7	600.7	515.4	435.4	378.6	350.1	348.3
40°	8705.1	5463.4	876.2	687.8	622.0	524.3	431.9	357.2	309.2	286.1	284.4
42.5°	9147.7	5392.3	748.2	636.3	565.2	453.2	359.0	295.0	250.6	234.6	231.0
45°	9887.0	5497.1	661.1	586.5	506.5	385.7	296.8	241.7	202.6	190.2	188.4
47.5°	10871.6	5772.6	598.9	538.5	453.2	325.2	247.0	195.5	165.3	152.8	151.1
50°	12140.6	6209.8	547.4	490.5	403.4	275.5	204.4	154.6	128.0	119.1	119.1
52.5°	13521.5	6730.6	501.2	446.1	353.7	229.3	165.3	119.1	101.3	90.6	90.6
55°	14662.5	7185.5	451.4	412.3	293.3	190.2	126.2	90.6	74.6	69.3	69.3
57.5°	15801.8	7670.7	394.6	353.7	234.6	154.6	96.0	67.5	55.1	51.5	51.5
60°	17278.7	8264.3	339.5	287.9	184.8	117.3	71.1	48.0	40.9	39.1	39.1
62.5°	18903.1	8612.7	289.7	231.0	144.0	87.1	51.5	32.0	30.2	30.2	28.4
65°	19896.6	8120.4	243.5	184.8	112.0	65.8	33.8	23.1	26.7	24.9	21.3
67.5°	18629.4	6357.3	199.1	144.0	87.1	49.8	21.3	16.0	28.4	23.1	17.8
70°	15425.0	4450.3	154.6	101.3	69.3	42.7	14.2	10.7	30.2	23.1	14.2
72.5°	11543.4	2978.7	122.6	67.5	51.5	37.3	12.4	5.3	26.7	19.6	12.4
75°	6307.6	1199.7	97.8	42.7	32.0	26.7	8.9	3.6	17.8	14.2	8.9
77.5°	1660.0	316.4	71.1	28.4	17.8	10.7	5.3	1.8	8.9	7.1	3.6
80°	423.0	122.6	46.2	19.6	12.4	5.3	0.0	0.0	1.8	0.0	0.0
82.5°	225.7	51.5	28.4	14.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	170.6	33.8	16.0	8.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	65.8	10.7	5.3	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)