

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: P324810

Luminaire Tested: **GAN-SA6C-740-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34631 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

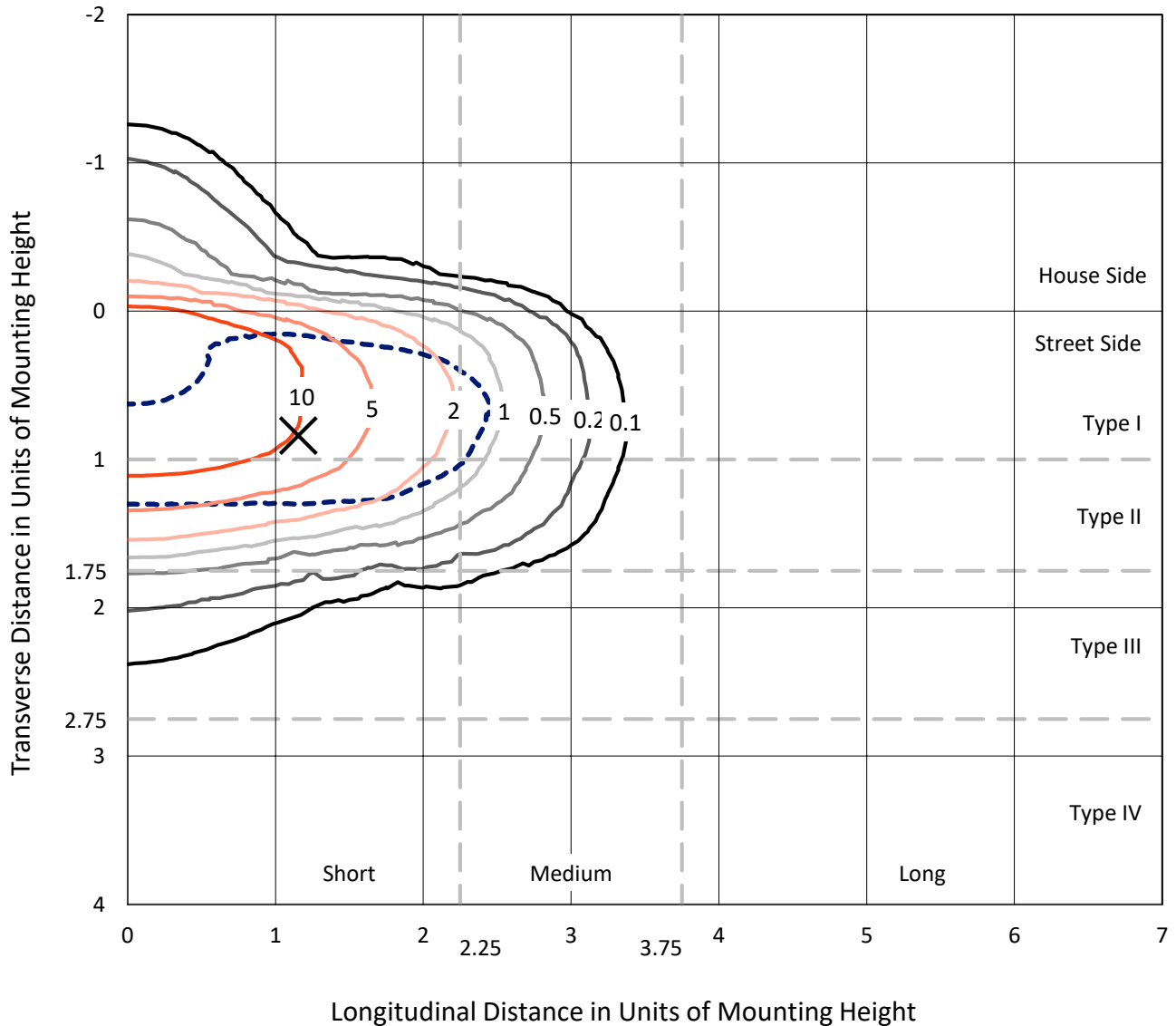
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

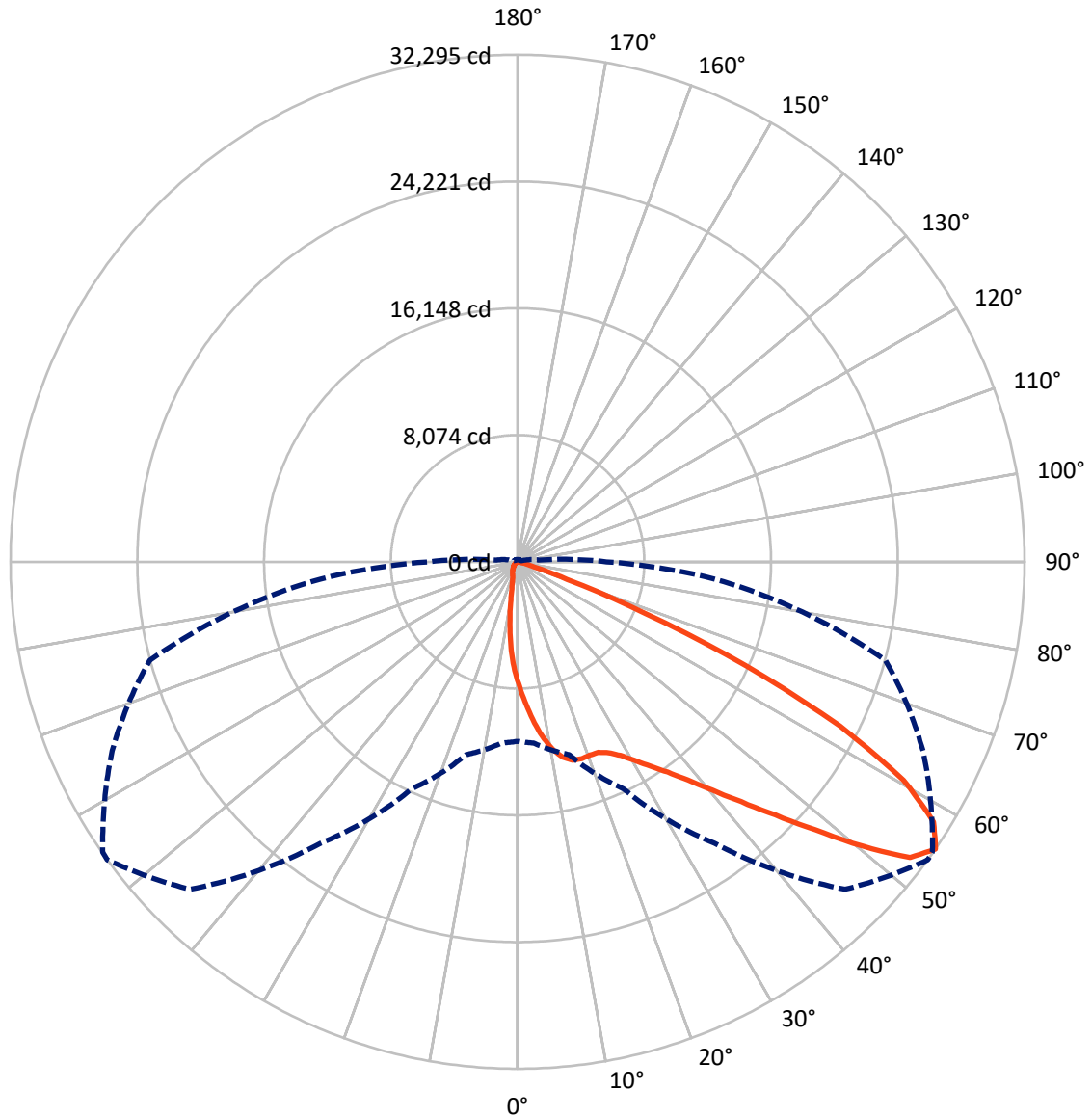
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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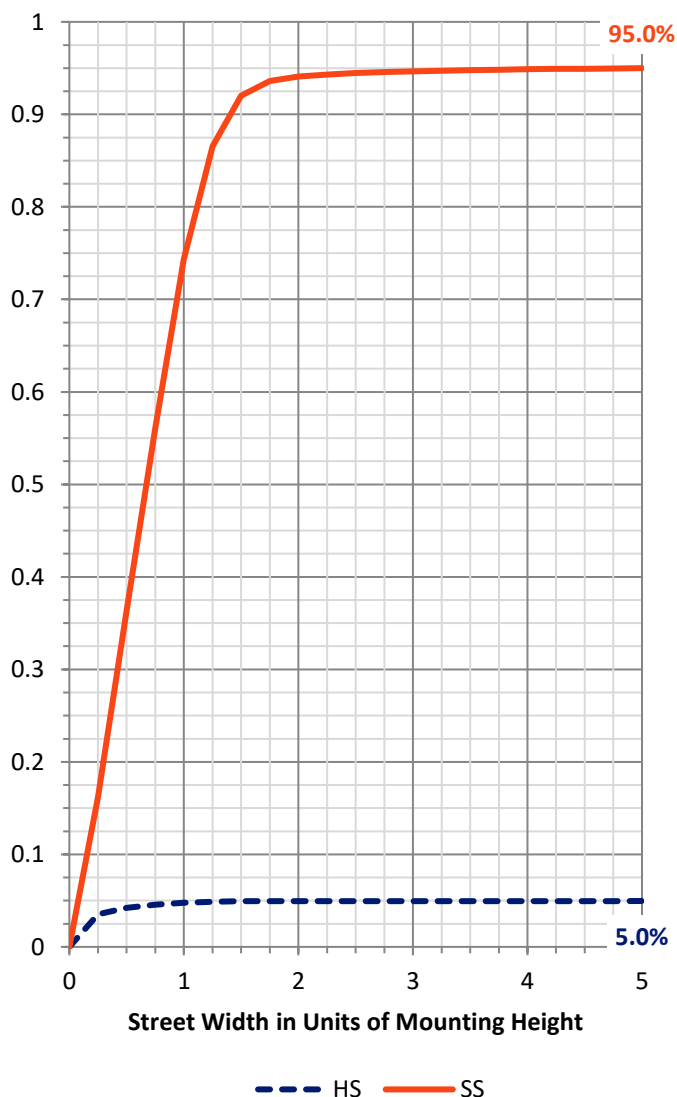
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1727.8	0.0	1727.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	32903.2	0.0	32903.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	34631.0	0.0	34631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.2	2.1
10°-20°	1958.8	5.7
20°-30°	3344.3	9.7
30°-40°	5367.1	15.5
40°-50°	8576.7	24.8
50°-60°	9190.1	26.5
60°-70°	4718.5	13.6
70°-80°	714.7	2.1
80°-90°	46.5	0.1
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°	34631.0	100.0
0°-180°	34631.0	100.0

Coefficient of Utilization



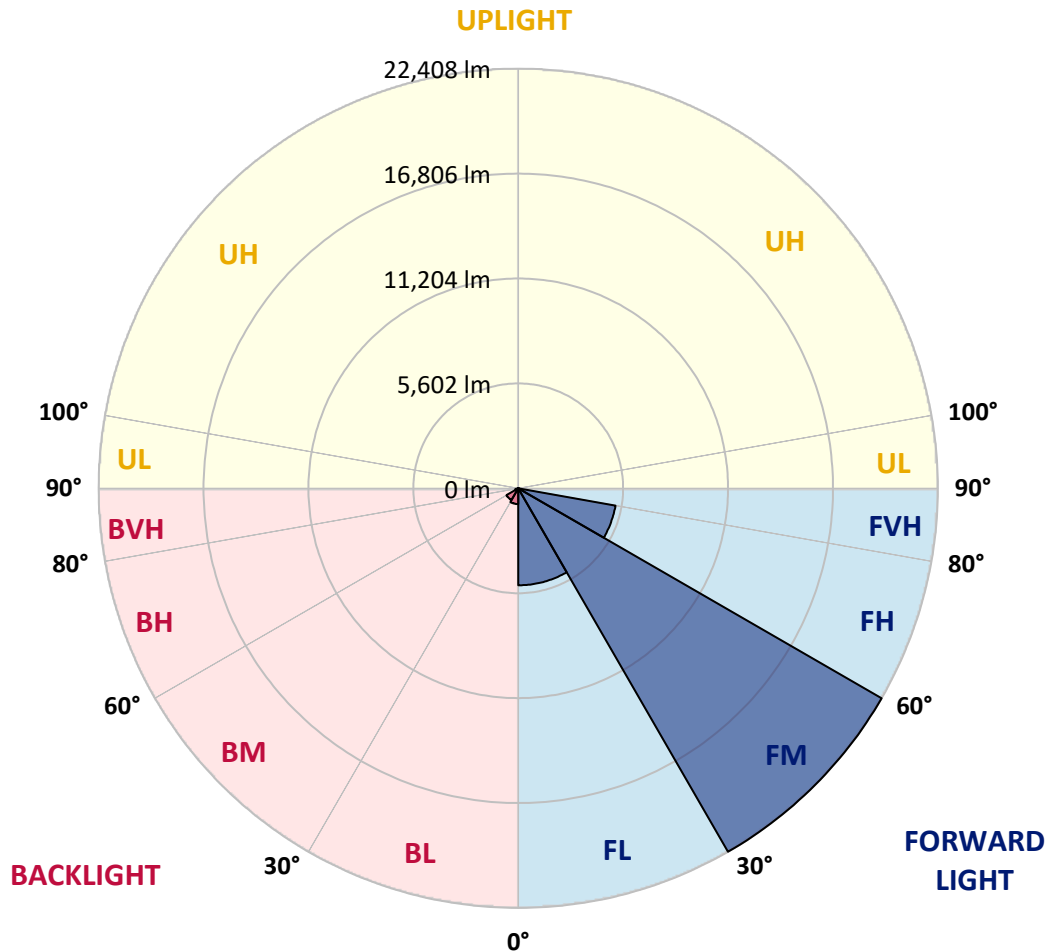
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5176.7	14.9			
FM (30°-60°)	22407.8	64.7			
FH (60°-80°)	5274.0	15.2			G3/7500
FVH (80°-90°)	44.7	0.1			G1/100
BL (0°-30°)	840.7	2.4	B2/1000		
BM (30°-60°)	726.1	2.1	B1/1000		
BH (60°-80°)	159.2	0.5	B1/500		G1/500
BVH (80°-90°)	1.9	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0
2.5°	9733.1	9588.0	9592.5	9526.7	9285.9	9097.5	8901.6	8855.2	8550.1	8230.0	7922.0
5°	11415.6	11309.4	11284.0	11156.8	10821.8	10467.4	10087.5	9999.3	9402.6	8747.5	8102.9
7.5°	12280.0	12281.5	12260.6	12214.2	12004.8	11660.9	11197.2	11104.5	10292.4	9309.8	8291.4
10°	12028.8	12085.6	12202.2	12356.3	12516.3	12472.9	12124.5	12040.7	11158.3	9905.1	8500.7
12.5°	11442.5	11450.0	11580.1	11832.8	12293.5	12766.1	12772.0	12743.6	11985.4	10527.2	8731.1
15°	11150.9	11179.3	11227.1	11390.2	11826.9	12583.6	13125.0	13165.4	12743.6	11188.3	8976.3
17.5°	11342.3	11382.7	11342.3	11361.7	11614.5	12295.0	13186.3	13289.5	13406.2	11841.8	9208.1
20°	11861.3	11898.6	11826.9	11747.6	11796.9	12211.2	13142.9	13282.0	13925.1	12422.1	9402.6
22.5°	12561.2	12576.1	12467.0	12336.8	12300.9	12495.4	13178.8	13322.4	14340.9	12947.0	9525.2
25°	13331.4	13344.8	13208.8	13059.2	12973.9	13053.2	13473.5	13581.1	14707.3	13448.0	9595.5
27.5°	14170.4	14182.4	14011.9	13827.9	13729.2	13732.2	13959.5	14074.7	15097.6	14019.3	9652.3
30°	15057.3	15051.3	14894.2	14638.5	14512.9	14509.9	14659.4	14776.1	15663.0	14752.2	9730.1
32.5°	16053.3	16041.3	15818.5	15501.4	15359.4	15380.3	15513.4	15580.7	16364.4	15532.8	9869.2
35°	17364.9	17330.5	16994.0	16600.7	16339.0	16331.5	16443.6	16497.5	17258.7	16478.0	10101.0
37.5°	19066.8	19035.4	18579.3	18008.0	17640.1	17502.5	17635.6	17704.4	18534.4	17690.9	10473.4
40°	20744.9	20713.5	20442.8	19919.3	19352.5	19022.0	19126.7	19199.9	20127.2	19162.6	10943.0
42.5°	21902.4	21929.3	22023.6	22066.9	21536.0	20842.1	20889.9	20966.2	21800.7	20735.9	11479.9
45°	22207.5	22265.8	22798.3	23843.7	24042.6	23501.2	23000.2	23042.0	23501.2	22309.2	12016.8
47.5°	21290.7	21398.4	22425.9	24370.1	26054.1	26436.9	25488.8	25433.4	25132.8	23581.9	12398.2
50°	19207.4	19306.1	20637.2	23513.1	26664.3	29239.6	28470.9	28307.9	26564.1	24343.2	12532.8
52.5°	16192.4	16312.0	17393.3	20815.2	25514.2	30489.9	31294.5	31158.4	27613.9	24403.0	12555.2
55°	11435.0	11580.1	12724.2	15953.1	21869.5	29495.4	32295.0	32254.7	28485.9	24244.5	12603.1
57.5°	6426.4	6531.1	7764.9	10226.6	16017.4	25690.7	31249.6	31517.3	29012.3	23969.3	12674.8
60°	2853.5	2881.9	3520.5	5090.9	9377.1	19633.7	28257.0	28708.7	28560.6	23601.4	12796.0
62.5°	1582.3	1558.4	1558.4	2116.2	4075.4	12154.4	23042.0	23788.3	26632.9	23166.2	12802.0
65°	1239.8	1217.4	1153.1	1162.0	1552.4	5394.5	15956.1	17282.6	22971.7	21890.5	12371.2
67.5°	1051.4	1031.9	967.6	942.2	964.6	1779.7	8767.0	10144.4	17430.7	18574.8	10715.7
70°	888.4	874.9	842.0	810.6	753.8	879.4	3354.5	4290.8	10741.1	12356.3	7314.8
72.5°	714.9	708.9	720.9	693.9	625.1	586.3	1147.1	1389.4	4824.7	5514.1	3013.5
75°	616.2	613.2	619.2	592.2	514.5	408.3	583.3	637.1	1361.0	1349.0	610.2
77.5°	400.8	405.3	513.0	501.0	442.7	272.2	302.1	326.0	412.8	309.6	185.4
80°	255.7	252.7	260.2	415.8	397.8	207.9	151.1	158.5	198.9	152.5	89.7
82.5°	155.5	152.5	170.5	194.4	200.4	145.1	92.7	94.2	124.1	98.7	47.9
85°	13.5	17.9	103.2	95.7	68.8	44.9	44.9	47.9	65.8	58.3	26.9
87.5°	0.0	0.0	17.9	26.9	15.0	16.5	16.5	17.9	25.4	25.4	13.5
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°	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0	7756.0
2.5°	7761.9	7606.4	7292.3	6990.2	6734.5	6487.7	6206.6	5928.4	5798.3	5745.9	5692.1
5°	7775.4	7455.3	6807.8	6155.7	5479.7	4871.0	4352.1	3819.7	3553.4	3436.8	3382.9
7.5°	7793.3	7305.8	6258.9	5164.2	4075.4	3249.8	2529.0	2065.4	1865.0	1833.6	1755.8
10°	7796.3	7124.8	5621.8	4069.4	2732.4	1959.2	1507.5	1268.2	1180.0	1165.0	1139.6
12.5°	7802.3	6911.0	4914.4	3013.5	1821.6	1310.1	1090.3	1011.0	987.1	985.6	985.6
15°	7820.3	6686.6	4180.1	2171.5	1308.6	1037.9	957.2	925.7	916.8	921.3	919.8
17.5°	7820.3	6421.9	3459.2	1618.2	1057.4	933.2	888.4	867.4	864.4	868.9	870.4
20°	7763.4	6100.4	2798.2	1259.3	937.7	865.9	825.5	806.1	798.6	801.6	803.1
22.5°	7627.3	5705.5	2259.8	1042.4	858.4	804.6	761.2	731.3	719.4	720.9	720.9
25°	7415.0	5237.4	1767.7	901.8	794.1	738.8	688.0	653.6	646.1	644.6	647.6
27.5°	7142.8	4720.0	1407.3	794.1	717.9	665.5	614.7	586.3	580.3	581.8	583.3
30°	6875.1	4183.1	1109.7	702.9	632.6	583.3	544.4	530.9	530.9	535.4	536.9
32.5°	6629.8	3667.1	877.9	623.6	556.3	511.5	489.0	487.6	495.0	498.0	499.5
35°	6418.9	3190.0	726.8	562.3	496.5	457.6	450.2	456.1	465.1	471.1	472.6
37.5°	6269.4	2763.8	635.6	511.5	450.2	418.8	417.3	429.2	441.2	454.6	457.6
40°	6206.6	2403.4	572.8	466.6	412.8	388.8	384.4	400.8	423.2	442.7	445.7
42.5°	6154.2	2108.7	519.0	423.2	382.9	348.5	347.0	367.9	394.8	414.3	418.8
45°	6109.3	1872.4	469.6	376.9	344.0	299.1	303.6	330.5	351.5	372.4	376.9
47.5°	6016.6	1678.0	415.8	327.5	284.2	255.7	264.7	288.6	305.1	336.5	341.0
50°	5850.6	1519.5	360.4	267.7	231.8	221.3	234.8	251.3	272.2	299.1	302.1
52.5°	5738.4	1399.8	312.6	224.3	191.4	194.4	207.9	213.9	225.8	236.3	233.3
55°	5674.1	1334.0	273.7	194.4	163.0	172.0	175.0	167.5	161.5	151.1	146.6
57.5°	5666.7	1274.2	243.8	169.0	143.6	148.1	137.6	112.2	91.2	79.3	76.3
60°	5654.7	1200.9	219.8	142.1	127.1	121.1	98.7	61.3	43.4	40.4	40.4
62.5°	5524.6	1087.3	201.9	119.6	107.7	91.2	56.8	28.4	23.9	25.4	25.4
65°	5110.3	928.7	184.0	97.2	85.2	65.8	28.4	16.5	9.0	10.5	10.5
67.5°	4344.6	740.3	164.5	74.8	64.3	41.9	16.5	7.5	0.0	0.0	0.0
70°	2908.9	459.1	139.1	52.3	41.9	25.4	12.0	1.5	0.0	0.0	0.0
72.5°	1115.7	248.3	112.2	31.4	26.9	17.9	7.5	0.0	0.0	0.0	0.0
75°	251.3	163.0	77.8	22.4	19.4	12.0	3.0	0.0	0.0	0.0	0.0
77.5°	95.7	118.1	44.9	15.0	13.5	7.5	0.0	0.0	0.0	0.0	0.0
80°	46.4	70.3	20.9	9.0	7.5	3.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.9	26.9	9.0	4.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.5	13.5	4.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	4.5	1.5	1.5	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)