

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: P648802

Luminaire Tested: **GLAN-SA3C-835-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-835-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12258.6 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

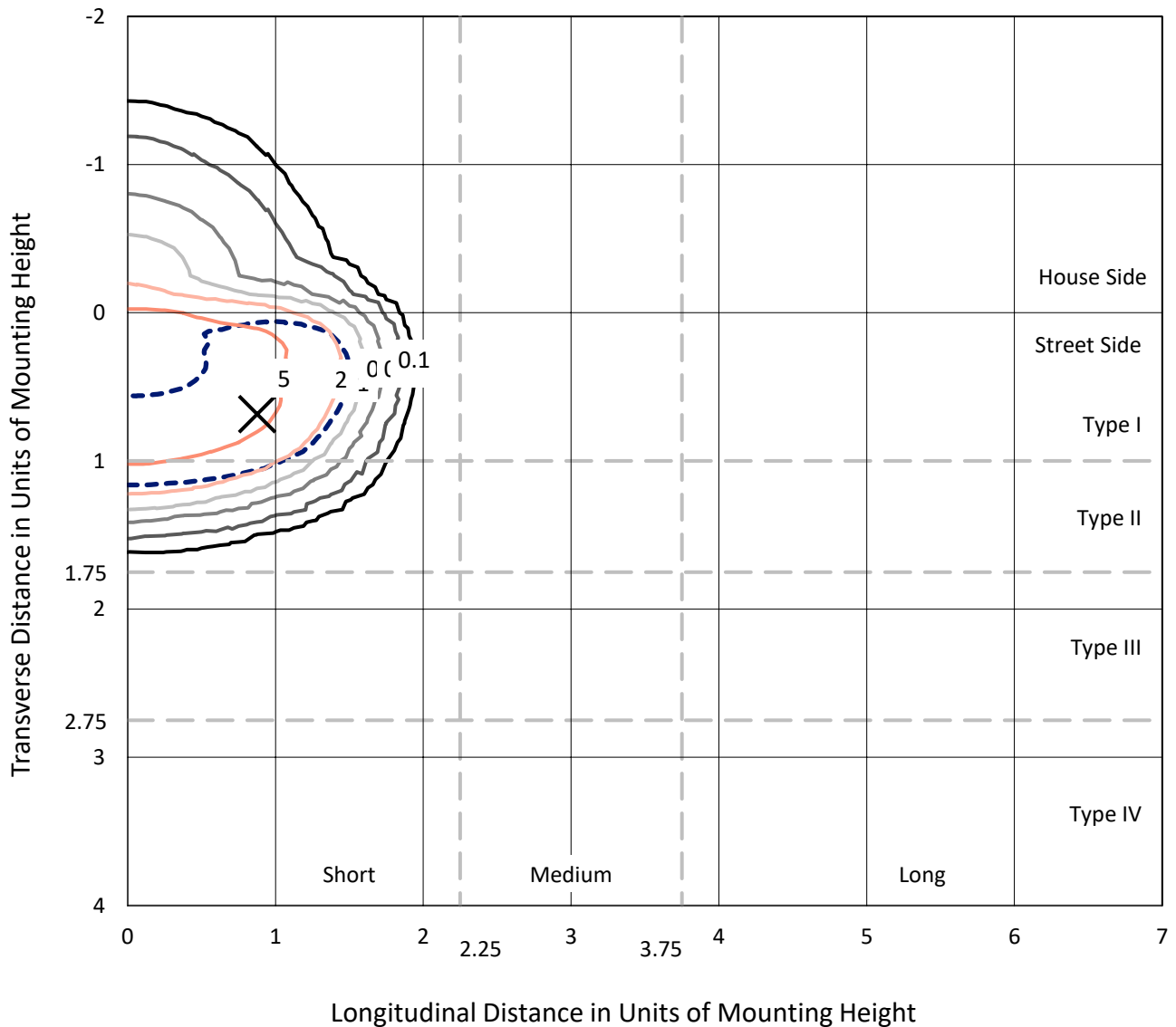
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

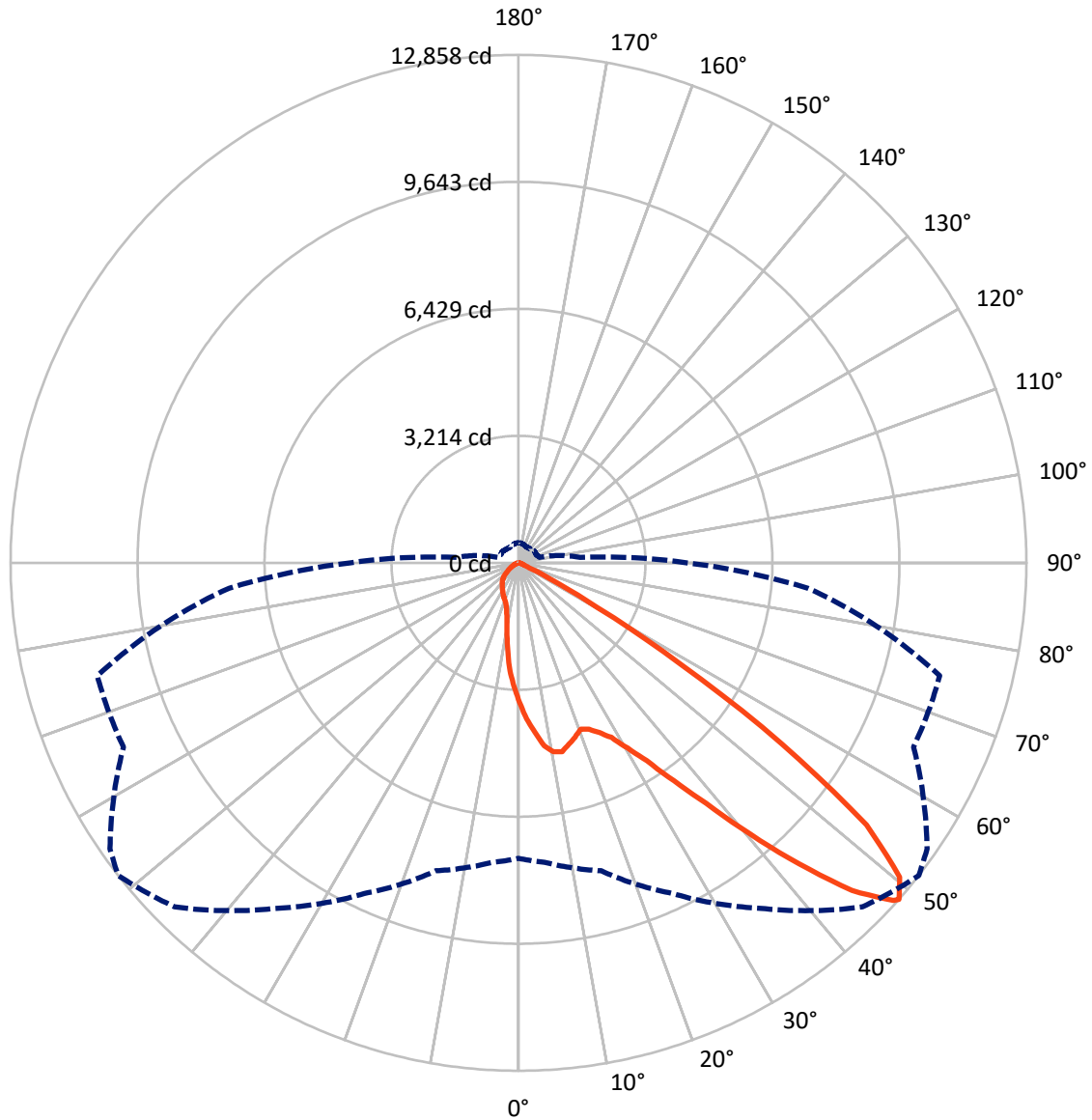
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 48-Deg Vertical

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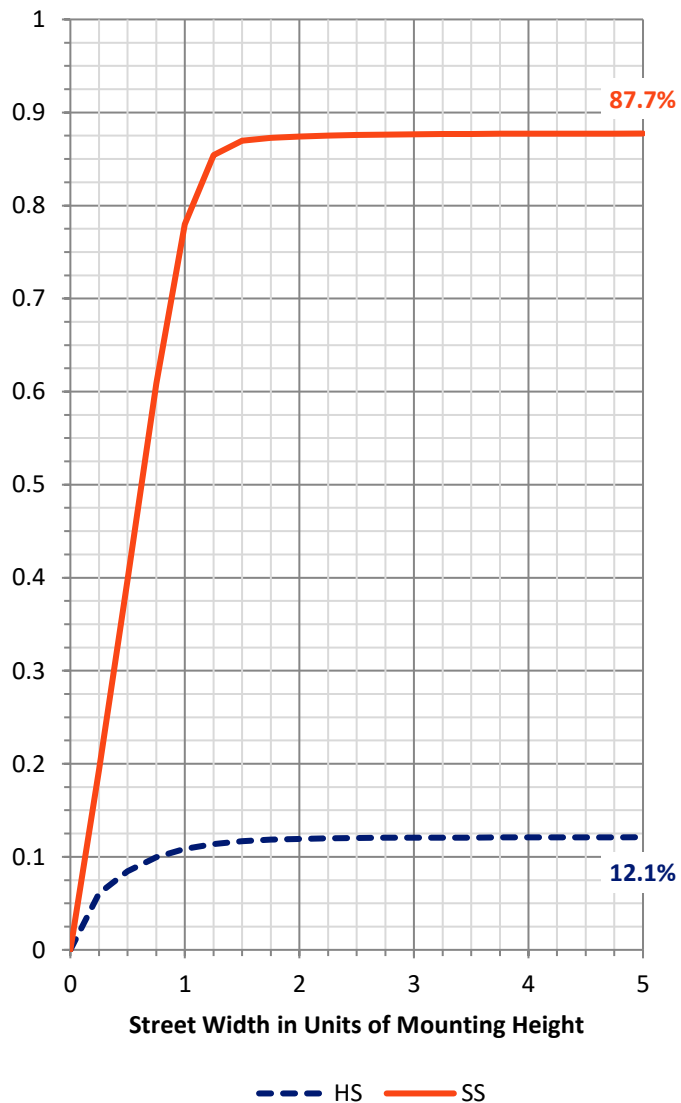
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1492.6	0.0	1492.6
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	10766.1	0.0	10766.1
	% Fixture	87.8	0.0	87.8
Total	Lumens	12258.6	0.0	12258.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.0	2.6
10°-20°	846.8	6.9
20°-30°	1445.8	11.8
30°-40°	2662.4	21.7
40°-50°	4134.8	33.7
50°-60°	2488.4	20.3
60°-70°	287.8	2.3
70°-80°	55.7	0.5
80°-90°	12.9	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°	12258.6	100.0
0°-180°	12258.6	100.0

Coefficient of Utilization

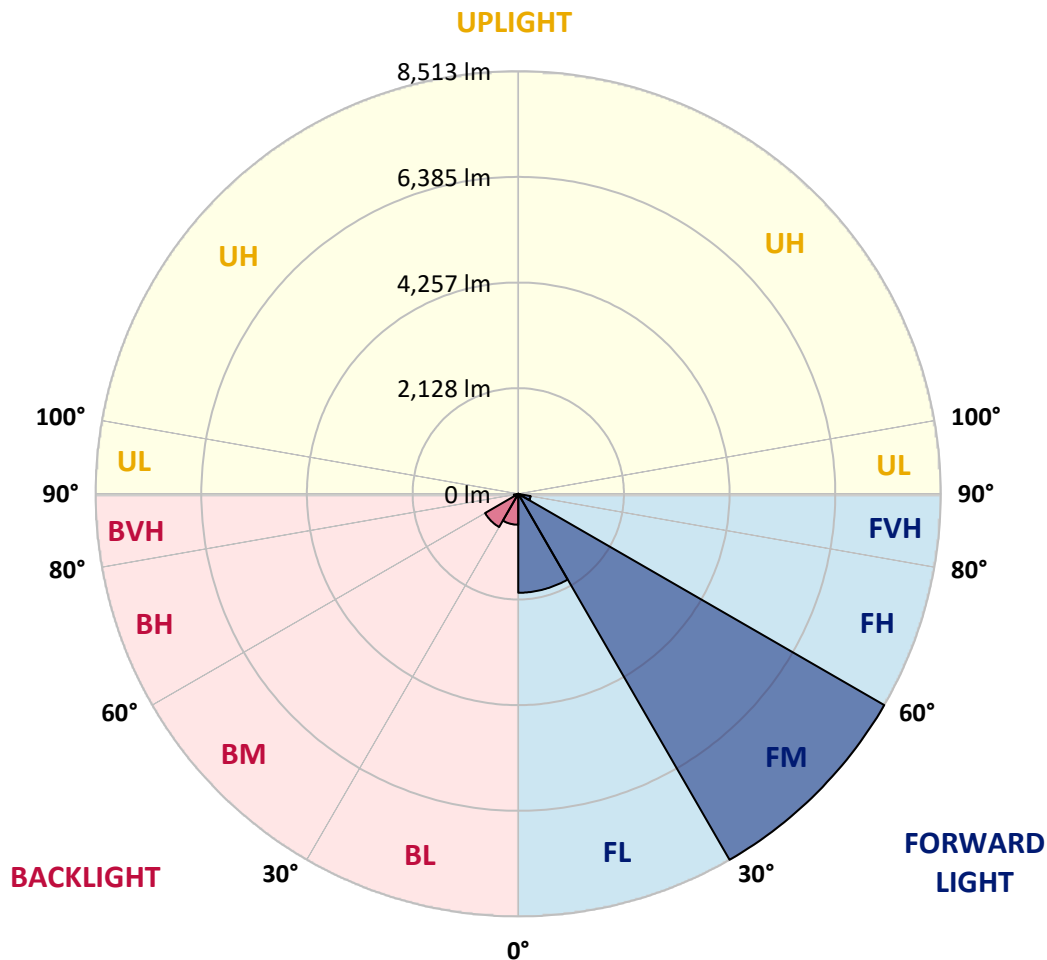


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1993.1	16.3			
FM (30°-60°)	8513.4	69.4			
FH (60°-80°)	253.4	2.1			G0/660
FVH (80°-90°)	6.1	0.0			G0/10
BL (0°-30°)	623.5	5.1	B2/1000		
BM (30°-60°)	772.2	6.3	B1/1000		
BH (60°-80°)	90.1	0.7	B0/110		G0/110
BVH (80°-90°)	6.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1
2.5°	4290.6	4192.3	4201.3	4137.0	4099.4	4038.6	3956.5	3940.4	3851.0	3729.5	3606.2
5°	4676.6	4653.4	4683.8	4590.9	4594.4	4494.3	4301.3	4304.9	4099.4	3901.1	3709.9
7.5°	4701.7	4648.0	4678.4	4760.6	4808.9	4791.0	4682.0	4587.3	4392.5	4101.2	3822.4
10°	4210.2	4312.1	4344.2	4480.1	4673.1	4876.8	4864.3	4869.6	4707.0	4326.4	3918.9
12.5°	3915.4	3847.4	3956.5	4038.6	4330.0	4724.9	4905.4	4944.7	4957.2	4544.4	4015.5
15°	3781.3	3781.3	3799.2	3822.4	4033.3	4397.9	4766.0	4880.4	5150.2	4830.3	4167.4
17.5°	3865.4	3861.8	3886.8	3838.5	3917.2	4197.7	4637.3	4767.8	5366.4	5110.9	4287.1
20°	4120.9	4133.4	4117.3	3978.0	3983.3	4194.1	4494.3	4699.9	5512.9	5353.9	4446.1
22.5°	4476.5	4483.6	4392.5	4240.6	4195.9	4299.6	4576.6	4733.9	5630.9	5645.2	4494.3
25°	4887.5	4858.9	4841.1	4626.6	4490.8	4580.2	4762.4	4853.6	5704.2	5895.4	4632.0
27.5°	5457.6	5400.4	5291.4	5100.1	5000.1	4873.2	5003.7	5153.8	5913.3	6245.7	4782.1
30°	6299.2	6249.2	6036.5	5790.0	5527.3	5402.2	5443.3	5525.5	6290.3	6651.3	4980.4
32.5°	7566.3	7460.8	7153.5	6683.5	6326.1	5981.2	5970.5	6058.0	6628.1	7212.4	5216.3
35°	8961.9	8929.7	8477.6	7993.3	7301.8	6769.3	6778.2	6824.6	7275.0	7948.7	5525.5
37.5°	9889.4	10066.3	9778.6	9258.6	8677.8	7916.5	7723.5	7739.6	8163.1	8820.7	6083.0
40°	10606.0	10455.9	10489.9	10368.3	9971.6	9453.4	9026.3	8942.3	9190.7	9785.8	6637.0
42.5°	10293.2	10300.4	10509.5	10797.2	10895.4	10857.9	10421.9	10262.9	10069.8	10575.6	7164.2
45°	9410.5	9594.6	9866.2	10627.4	11295.8	11923.1	11837.2	11572.7	10677.5	11201.0	7467.9
47.5°	8002.3	7995.1	8440.1	9430.1	10915.2	12384.1	12773.6	12587.8	11108.1	11131.4	7405.5
48°	7482.3	7610.9	8070.2	9235.3	10673.9	12316.2	12857.6	12623.5	11034.9	11038.4	7351.8
50°	5530.9	5507.6	6079.4	7509.0	9533.8	11572.7	12503.8	12686.1	11033.1	10568.5	6976.5
52.5°	2921.8	3021.8	3438.2	4721.3	6740.7	9471.2	11029.5	11313.6	10643.5	9800.0	6436.9
55°	1242.0	1122.3	1442.1	2132.0	3792.1	6327.8	8091.7	8724.3	8999.5	8672.4	5630.9
57.5°	443.2	484.3	557.6	802.3	1594.0	3463.3	4825.0	5316.4	6235.0	6363.6	3836.8
60°	284.2	289.5	312.7	368.1	598.7	1334.9	2289.2	2680.5	3096.9	3197.0	1790.6
62.5°	219.8	221.6	232.3	241.2	284.2	518.3	859.6	1018.6	1057.9	909.6	470.0
65°	184.1	185.9	189.4	189.4	201.9	243.0	300.2	330.6	321.7	318.1	266.3
67.5°	141.2	144.8	151.9	151.9	159.0	148.3	166.2	176.9	200.1	243.0	226.9
70°	110.8	112.6	117.9	121.5	121.5	107.2	119.7	130.4	146.5	180.5	178.7
72.5°	85.7	89.3	92.9	92.9	87.5	73.3	85.7	94.7	105.5	125.1	121.5
75°	66.1	66.1	67.9	55.4	42.9	37.5	51.8	62.6	78.6	82.2	67.9
77.5°	17.9	19.7	17.9	16.1	17.9	26.8	34.0	39.3	50.0	50.0	44.7
80°	0.0	1.8	5.3	10.7	17.9	25.1	30.4	34.0	39.3	42.9	41.1
82.5°	0.0	1.8	5.3	10.7	16.1	19.7	26.8	28.6	32.2	37.5	37.5
85°	0.0	1.8	3.6	7.1	10.7	12.5	12.5	10.7	10.7	8.9	7.1
87.5°	0.0	0.0	1.8	3.6	3.6	5.3	5.3	5.3	5.3	5.3	5.3
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°	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1	3540.1
2.5°	3558.0	3502.6	3418.6	3286.3	3159.5	3077.3	2998.7	2911.0	2862.8	2859.2	2832.4
5°	3600.9	3475.7	3275.6	3048.7	2805.6	2596.5	2385.6	2248.1	2124.7	2056.9	2044.3
7.5°	3624.1	3461.5	3138.0	2757.4	2342.8	2001.5	1765.6	1592.2	1524.3	1474.3	1472.5
10°	3672.3	3436.4	2932.5	2371.4	1858.5	1513.6	1351.0	1272.4	1234.9	1220.5	1199.1
12.5°	3708.1	3390.0	2721.6	1974.6	1468.9	1254.5	1183.0	1165.1	1166.9	1174.1	1165.1
15°	3758.1	3348.9	2437.5	1620.8	1233.1	1129.4	1129.4	1133.0	1158.0	1161.6	1159.8
17.5°	3754.6	3268.5	2144.4	1334.9	1090.1	1075.8	1081.2	1115.1	1131.2	1136.5	1124.1
20°	3797.4	3193.4	1842.4	1140.1	1009.7	1031.1	1066.8	1075.8	1095.4	1099.0	1084.7
22.5°	3784.9	3005.8	1561.9	986.4	948.9	990.0	1025.7	1036.5	1031.1	1020.4	1018.6
25°	3761.7	2845.0	1304.6	884.6	904.2	948.9	982.9	963.2	952.5	954.2	956.0
27.5°	3720.6	2641.2	1091.9	813.1	843.4	909.6	907.8	900.7	911.4	902.5	911.4
30°	3713.5	2437.5	916.7	748.8	798.8	847.0	850.7	863.1	875.6	859.6	875.6
32.5°	3724.2	2214.1	791.6	709.5	772.0	773.8	813.1	825.6	816.7	781.0	784.5
35°	3806.4	2042.5	700.6	688.0	729.1	730.9	768.4	752.3	713.0	691.5	704.1
37.5°	3979.7	1899.6	657.6	668.4	671.9	695.1	696.9	664.8	668.4	666.6	673.7
40°	4201.3	1790.6	627.3	650.4	646.9	663.0	598.7	616.5	632.6	638.0	641.5
42.5°	4353.2	1712.0	607.6	621.9	614.7	586.2	550.4	568.3	580.8	600.4	604.0
45°	4421.1	1649.4	584.4	571.8	571.8	520.0	505.7	509.3	537.9	559.4	555.8
47.5°	4310.3	1588.6	543.2	505.7	518.3	475.4	459.2	459.2	489.6	516.5	511.1
48°	4267.4	1563.7	545.0	491.4	500.3	468.2	452.1	448.6	482.5	507.5	507.5
50°	4054.8	1470.7	498.6	452.1	434.3	430.6	419.9	423.5	445.0	468.2	468.2
52.5°	3640.2	1270.6	421.7	387.8	355.6	377.1	382.4	375.3	386.0	407.5	405.7
55°	3038.0	975.7	337.8	321.7	296.7	319.9	330.6	321.7	310.9	327.1	327.1
57.5°	1946.1	525.4	269.8	273.4	248.4	271.6	280.5	259.1	239.4	252.0	250.2
60°	877.4	314.5	221.6	216.3	200.1	226.9	241.2	216.3	189.4	198.3	207.3
62.5°	328.8	223.4	168.0	164.4	160.8	185.9	193.0	173.4	146.5	151.9	153.7
65°	241.2	196.6	134.0	121.5	128.6	146.5	143.0	123.3	105.5	105.5	109.0
67.5°	205.5	171.6	109.0	94.7	94.7	96.5	89.3	78.6	73.3	76.8	80.4
70°	160.8	135.9	85.7	73.3	66.1	59.0	51.8	50.0	44.7	50.0	48.2
72.5°	103.7	91.1	66.1	55.4	50.0	41.1	34.0	32.2	26.8	25.1	25.1
75°	55.4	55.4	51.8	44.7	39.3	32.2	26.8	21.5	14.3	10.7	10.7
77.5°	39.3	42.9	46.4	42.9	35.7	26.8	21.5	14.3	7.1	3.6	3.6
80°	37.5	42.9	46.4	41.1	35.7	26.8	19.7	10.7	5.3	1.8	1.8
82.5°	34.0	39.3	42.9	37.5	32.2	23.3	17.9	10.7	5.3	1.8	1.8
85°	7.1	8.9	10.7	10.7	12.5	16.1	12.5	8.9	3.6	1.8	1.8
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	3.6	3.6	1.8	1.8	1.8
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)