

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: P323877

Luminaire Tested: **GAN-SA3B-750-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-750-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14160 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

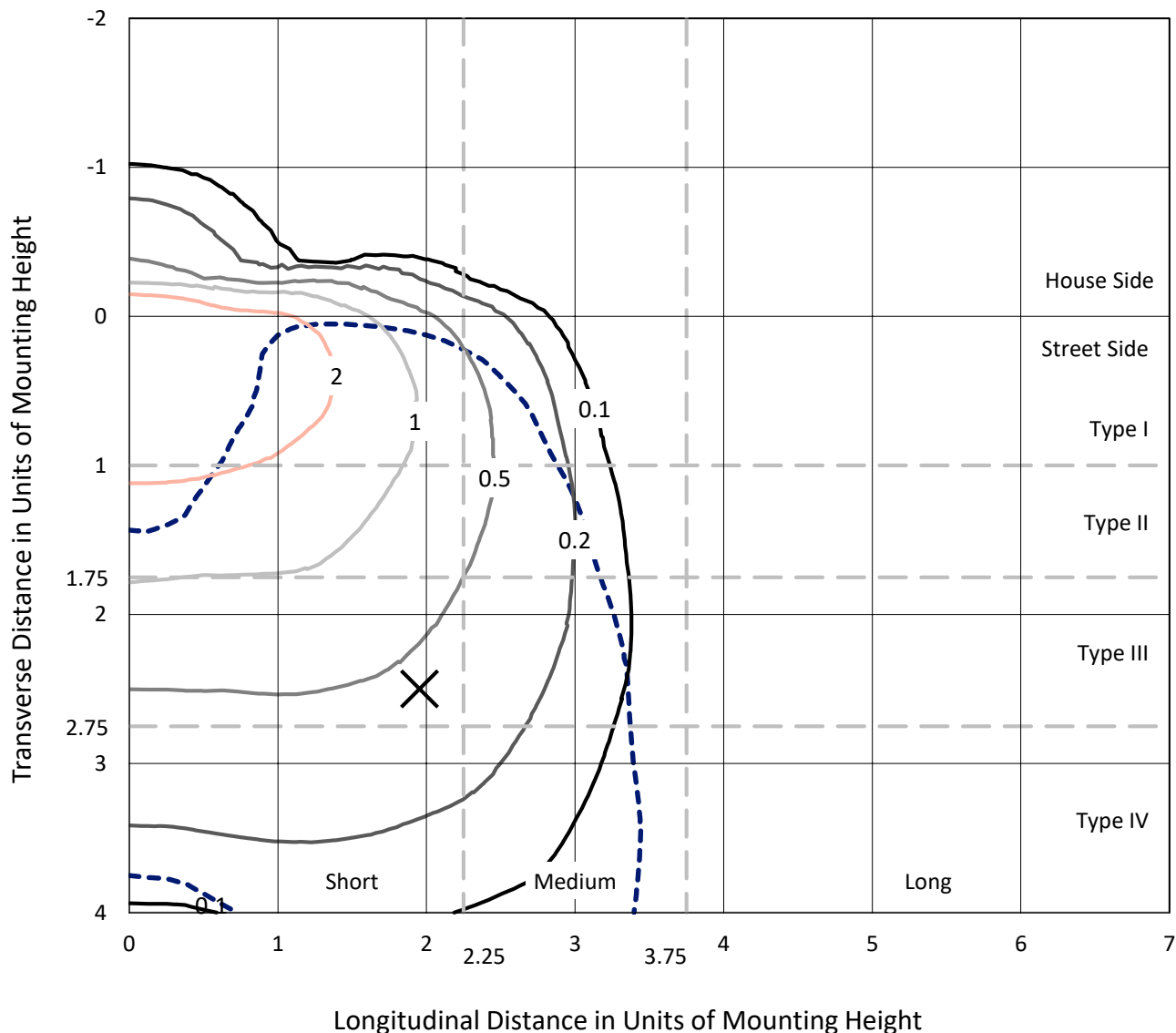
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

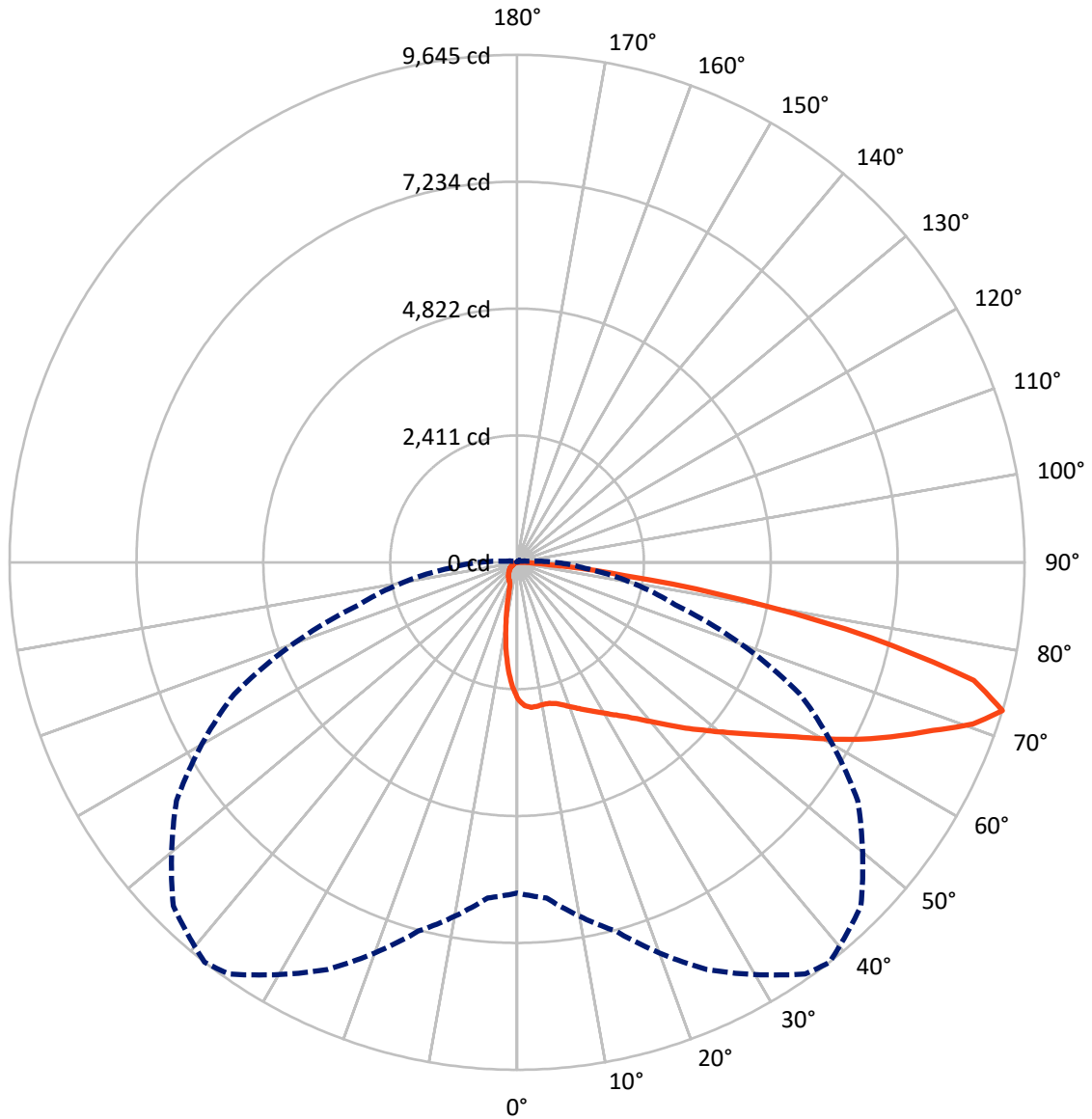
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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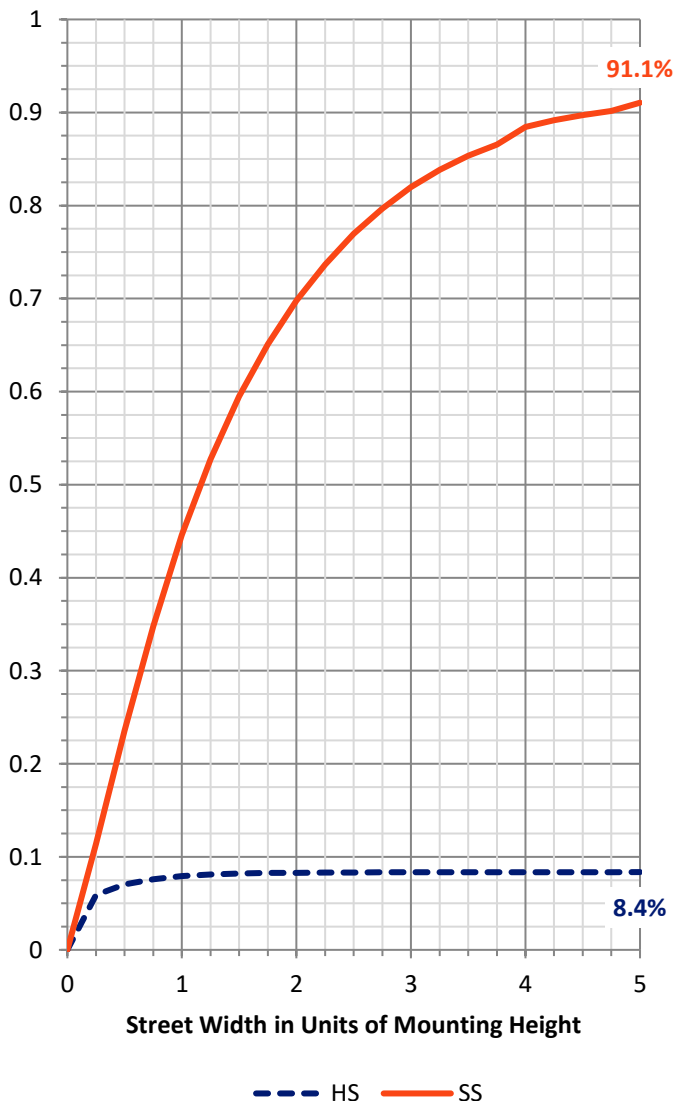
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.6	0.0	1191.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	12968.4	0.0	12968.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	14160.0	0.0	14160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.9	1.6
10°-20°	542.6	3.8
20°-30°	863.0	6.1
30°-40°	1297.5	9.2
40°-50°	1979.4	14.0
50°-60°	2797.5	19.8
60°-70°	3509.0	24.8
70°-80°	2623.8	18.5
80°-90°	325.3	2.3
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°	14160.0	100.0
0°-180°	14160.0	100.0

Coefficient of Utilization

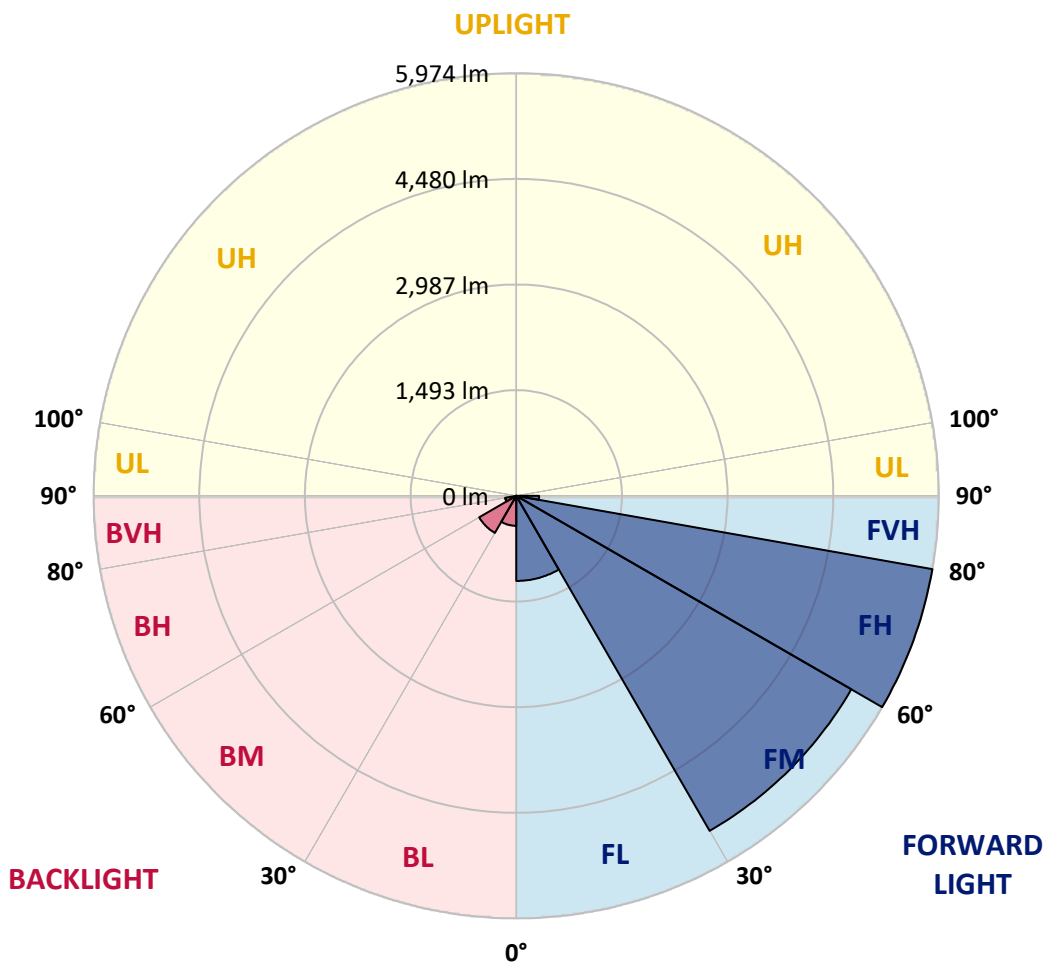


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1203.3	8.5			
FM (30°-60°)	5469.2	38.6			
FH (60°-80°)	5973.6	42.2			G3/7500
FVH (80°-90°)	322.3	2.3			G3/500
BL (0°-30°)	424.3	3.0	B1/500		
BM (30°-60°)	605.1	4.3	B1/1000		
BH (60°-80°)	159.2	1.1	B1/500		G1/500
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0
2.5°	2763.9	2764.5	2758.1	2747.5	2733.9	2726.9	2715.1	2696.3	2676.3	2640.4	2601.6
5°	2820.4	2820.4	2812.2	2798.0	2776.3	2769.8	2747.5	2717.5	2676.3	2618.1	2552.8
7.5°	2814.5	2815.7	2804.5	2789.8	2768.0	2762.2	2735.1	2701.6	2650.4	2579.9	2496.4
10°	2783.9	2786.9	2778.0	2771.0	2751.0	2744.5	2719.2	2685.7	2634.6	2559.3	2463.4
12.5°	2752.8	2755.7	2758.6	2765.1	2752.8	2750.4	2730.4	2702.2	2653.4	2575.2	2467.0
15°	2732.8	2738.6	2759.8	2785.1	2788.0	2785.7	2772.8	2746.3	2696.9	2615.7	2492.2
17.5°	2732.8	2742.2	2786.3	2834.5	2851.6	2853.3	2842.1	2805.1	2746.3	2659.3	2515.8
20°	2755.7	2768.6	2837.4	2905.7	2933.9	2933.9	2912.1	2860.4	2791.6	2698.7	2531.6
22.5°	2814.5	2831.6	2918.0	2996.8	3026.8	3020.3	2990.9	2915.7	2838.6	2743.4	2551.6
25°	2930.4	2943.3	3033.3	3112.7	3130.9	3116.2	3079.1	2982.7	2898.6	2803.9	2588.1
27.5°	3079.7	3081.5	3174.4	3241.4	3230.3	3220.3	3173.8	3066.8	2985.0	2890.4	2651.0
30°	3243.8	3243.8	3325.5	3376.7	3342.6	3334.4	3287.9	3168.5	3095.6	3008.0	2740.4
32.5°	3402.6	3409.6	3476.1	3508.4	3470.2	3462.0	3416.7	3297.3	3242.6	3187.3	2879.8
35°	3556.1	3561.4	3624.3	3641.9	3605.5	3607.8	3575.5	3474.3	3453.7	3446.7	3089.7
37.5°	3704.8	3706.0	3770.1	3781.3	3763.1	3783.1	3786.0	3696.6	3734.8	3791.9	3385.5
40°	3840.7	3841.9	3905.4	3934.2	3965.4	3991.2	4014.2	3966.5	4093.0	4225.3	3737.8
42.5°	3949.5	3961.8	4042.4	4097.1	4179.4	4228.8	4291.2	4288.8	4519.3	4718.1	4163.5
45°	4045.3	4066.5	4178.8	4274.7	4415.8	4494.6	4592.2	4668.7	4999.2	5266.8	4594.6
47.5°	4171.8	4191.8	4320.0	4477.0	4665.2	4768.7	4930.4	5095.6	5526.7	5805.4	5015.7
50°	4350.0	4341.1	4467.6	4692.8	4934.5	5070.3	5300.9	5548.4	6050.1	6274.7	5263.2
52.5°	4539.9	4536.4	4629.9	4927.4	5252.1	5410.8	5715.5	6016.6	6550.5	6598.2	5376.7
55°	4775.1	4749.8	4828.6	5195.0	5629.0	5799.6	6158.3	6480.0	6949.2	6780.5	5433.8
57.5°	5021.5	4979.8	5055.1	5493.2	6054.2	6255.9	6648.7	6931.6	7214.5	6905.1	5433.2
60°	5276.2	5226.8	5316.2	5866.0	6582.3	6815.7	7180.3	7236.8	7462.0	6968.1	5393.2
62.5°	5489.1	5459.6	5592.6	6264.7	7172.1	7401.5	7582.0	7514.4	7670.8	7016.9	5299.7
65°	5714.3	5716.0	5930.7	6729.9	7799.0	7953.7	7968.9	7874.3	7845.5	7006.9	4983.3
67.5°	6018.9	6047.1	6405.3	7361.5	8408.8	8528.2	8527.0	8264.2	7973.1	6609.3	4281.7
70°	6341.2	6407.6	6952.2	8084.2	9074.5	9195.7	9133.3	8512.3	7507.3	5344.4	3030.3
72.5°	6287.1	6402.3	7256.2	8540.0	9552.6	9644.9	9239.8	7902.5	5933.6	3106.2	1290.2
75°	4850.4	4983.9	6653.4	8088.3	9051.0	8968.1	7939.0	6149.5	3242.6	866.8	290.5
77.5°	2562.2	2633.4	4395.2	6161.8	7057.4	6884.0	5592.6	3411.4	988.5	214.6	130.6
80°	1342.0	1358.4	1915.3	3496.1	4355.8	4357.0	3314.4	1498.4	407.5	110.0	87.6
82.5°	718.6	732.7	1012.1	1615.4	2282.3	2068.8	1269.1	824.5	237.0	62.3	84.1
85°	172.9	175.8	574.0	738.0	897.4	641.0	377.0	692.2	64.1	36.5	68.2
87.5°	66.5	67.6	212.9	319.3	228.8	148.2	176.4	258.2	8.2	14.1	10.6
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°	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0	2604.0
2.5°	2578.1	2562.8	2525.2	2477.5	2435.2	2404.6	2358.8	2328.8	2308.8	2308.2	2300.5
5°	2512.8	2481.7	2400.5	2304.1	2216.4	2137.6	2044.7	1971.2	1916.5	1907.7	1888.9
7.5°	2442.8	2391.7	2267.0	2116.5	1969.4	1820.1	1646.6	1539.0	1446.7	1402.5	1397.8
10°	2399.9	2328.2	2151.2	1933.6	1703.1	1460.2	1233.2	1076.2	962.7	930.3	906.2
12.5°	2391.1	2296.4	2061.8	1761.9	1432.5	1111.5	860.3	693.3	602.8	574.0	566.3
15°	2399.9	2281.7	1986.5	1591.9	1158.5	788.6	577.5	480.5	446.3	438.1	437.5
17.5°	2405.2	2264.1	1901.2	1403.1	892.7	563.4	442.2	414.0	408.7	408.1	409.3
20°	2404.6	2237.0	1799.5	1192.6	663.9	442.8	399.9	394.0	392.8	393.4	392.8
22.5°	2400.5	2205.3	1687.8	975.6	501.6	395.8	381.7	378.1	377.5	377.5	377.5
25°	2408.1	2180.0	1564.9	768.0	413.4	374.0	365.2	362.3	361.7	361.7	360.5
27.5°	2435.8	2165.9	1430.2	591.0	373.4	354.6	347.5	347.0	345.2	344.6	345.8
30°	2480.5	2165.9	1282.6	459.9	349.3	334.6	329.3	328.1	327.6	327.0	327.6
32.5°	2559.3	2182.3	1121.5	382.2	326.4	312.3	308.7	310.5	308.7	308.7	308.7
35°	2701.6	2231.7	952.7	333.4	302.3	290.5	287.0	289.3	288.2	288.2	287.6
37.5°	2909.2	2323.5	782.7	304.0	281.1	268.7	264.0	267.6	266.4	266.4	265.8
40°	3162.1	2457.0	621.0	281.7	260.5	247.6	243.5	245.2	242.3	242.3	243.5
42.5°	3474.3	2626.3	479.9	259.9	239.9	227.6	225.2	223.5	218.2	215.2	215.8
45°	3821.3	2802.7	374.0	238.8	220.5	210.5	207.0	202.3	193.5	187.6	188.2
47.5°	4131.2	2938.6	304.0	218.2	202.9	195.2	189.9	181.1	168.2	161.1	161.7
50°	4294.1	2959.2	258.8	197.6	186.4	178.8	171.1	157.6	142.3	134.7	134.1
52.5°	4335.8	2862.7	225.2	178.8	170.0	161.1	151.1	132.9	115.8	107.6	106.4
55°	4351.1	2715.7	195.2	161.1	152.3	142.3	129.4	108.8	92.9	84.7	84.1
57.5°	4300.6	2496.4	171.7	145.3	134.7	122.3	106.4	87.0	71.7	65.3	65.3
60°	4188.2	2199.4	153.5	128.2	116.4	102.3	85.9	67.6	53.5	48.2	48.2
62.5°	3964.2	1814.8	136.4	110.6	99.4	84.7	69.4	51.2	37.6	34.7	35.3
65°	3541.4	1376.7	119.4	94.7	84.7	70.0	54.1	36.5	25.3	25.3	26.5
67.5°	2888.0	956.2	101.7	80.6	72.9	57.0	41.2	25.3	17.6	20.0	22.3
70°	1911.8	536.3	87.0	66.5	62.3	45.3	30.6	17.1	14.1	18.8	22.9
72.5°	721.6	208.8	72.9	53.5	54.1	34.7	21.8	12.9	12.9	20.6	27.1
75°	201.1	102.3	52.3	39.4	42.3	25.3	15.9	11.2	12.3	23.5	31.8
77.5°	118.2	75.3	34.1	22.9	28.8	17.6	10.6	8.8	10.6	20.0	30.6
80°	95.3	40.0	20.0	11.8	15.9	10.0	7.1	5.3	2.9	7.6	15.9
82.5°	95.3	24.1	9.4	8.2	8.2	5.3	3.5	2.4	0.6	0.0	4.1
85°	64.1	10.0	5.9	5.3	4.1	1.8	1.2	0.6	0.0	0.0	0.0
87.5°	10.6	4.1	2.4	1.2	0.6	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)