

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: P322840

Luminaire Tested: **GAN-SA6B-730-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22560 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

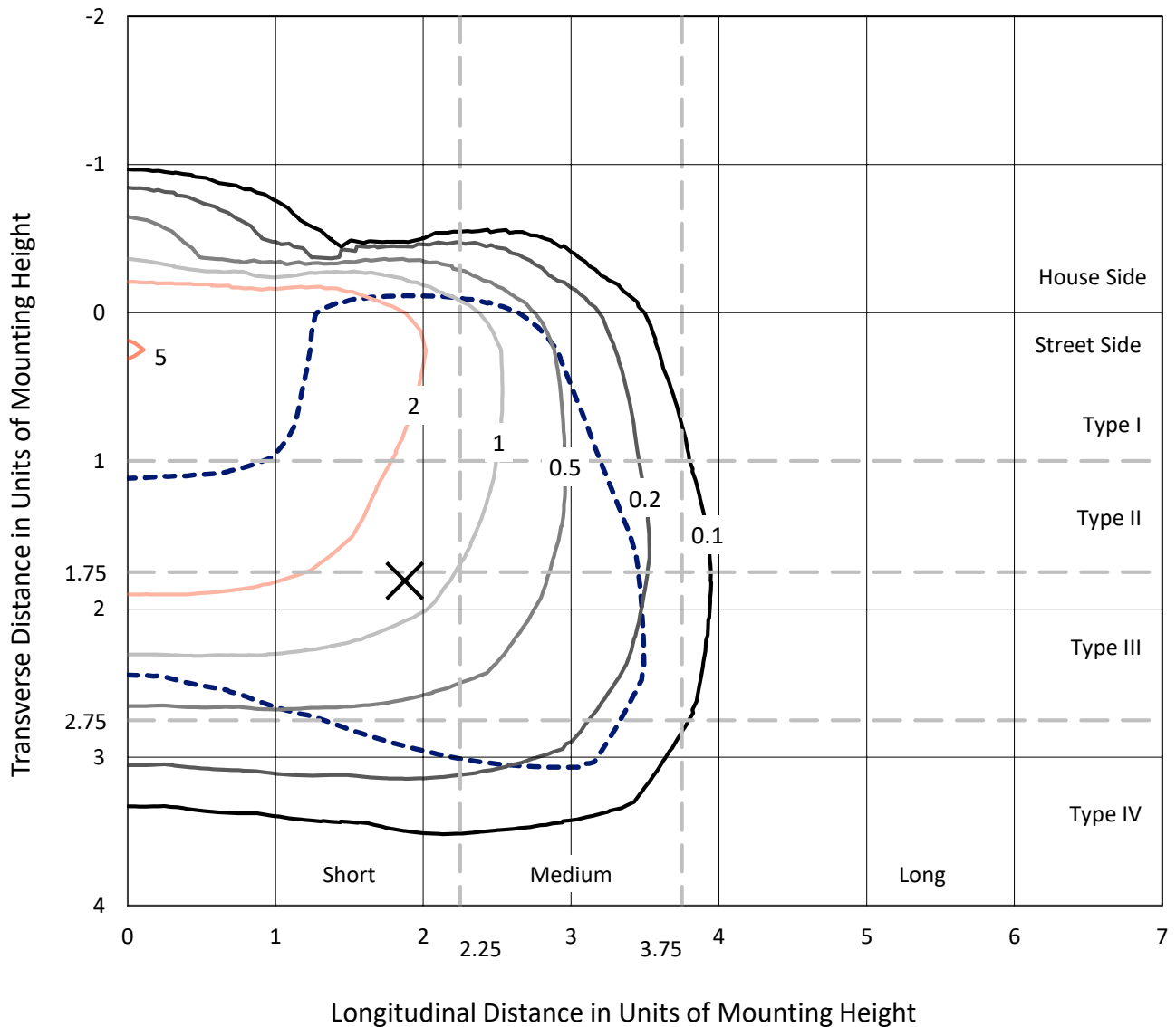
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

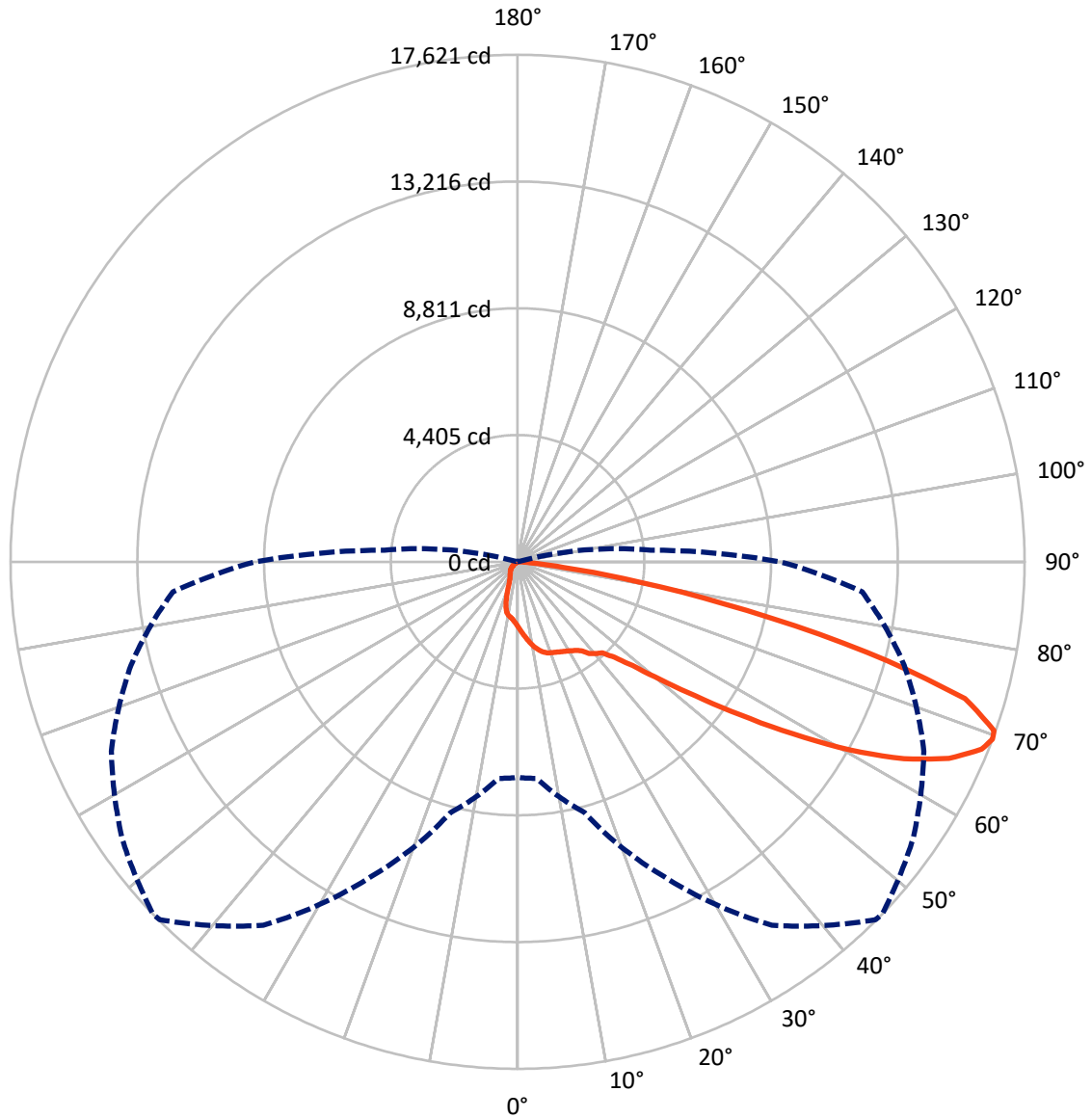
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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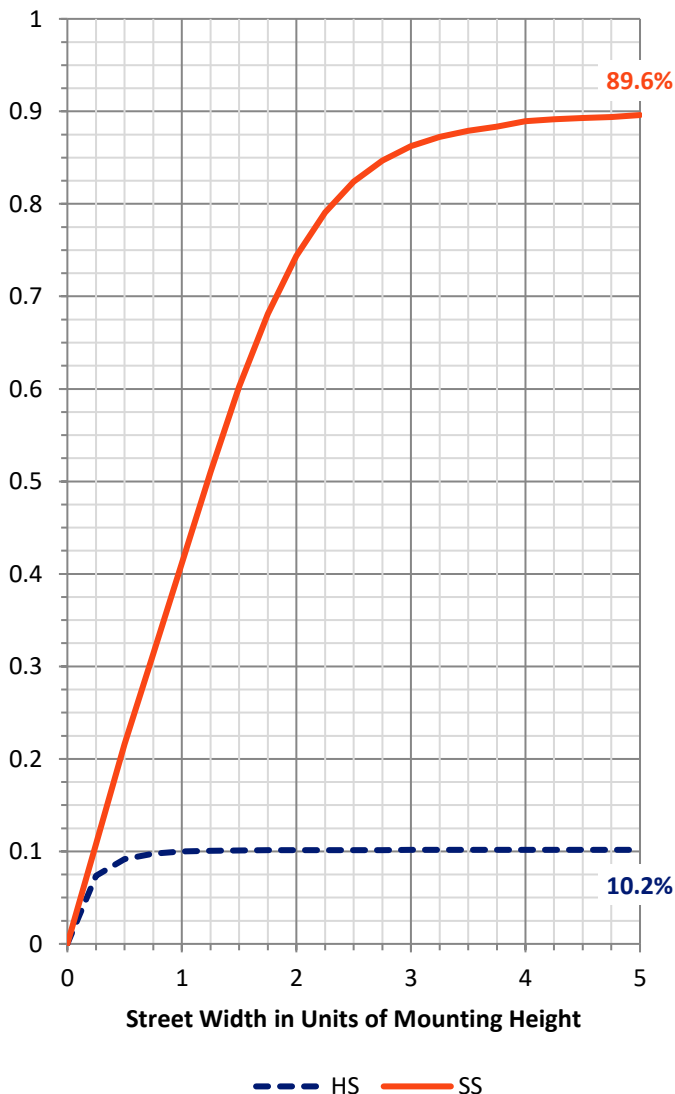
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2315.3	0.0	2315.3
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	20244.7	0.0	20244.7
	% Fixture	89.7	0.0	89.7
Total	Lumens	22560.0	0.0	22560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.0	1.0
10°-20°	682.6	3.0
20°-30°	1073.5	4.8
30°-40°	1539.3	6.8
40°-50°	2660.5	11.8
50°-60°	5256.2	23.3
60°-70°	7346.0	32.6
70°-80°	3548.9	15.7
80°-90°	228.1	1.0
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°	22560.0	100.0
0°-180°	22560.0	100.0

Coefficient of Utilization



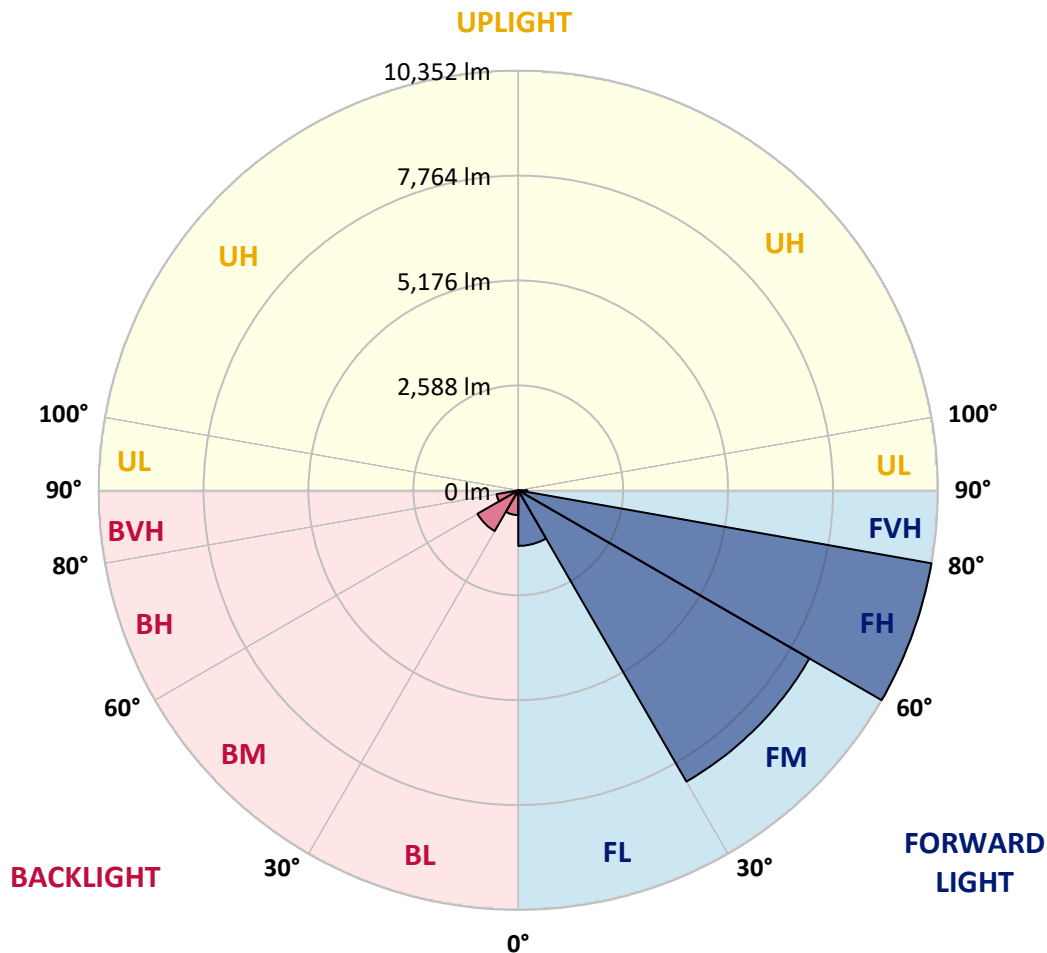
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1370.8	6.1			
FM (30°-60°)	8295.8	36.8			
FH (60°-80°)	10352.0	45.9			G4/12000
FVH (80°-90°)	226.2	1.0			G3/500
BL (0°-30°)	610.2	2.7	B2/1000		
BM (30°-60°)	1160.2	5.1	B2/2500		
BH (60°-80°)	542.9	2.4	B2/1000		G2/1000
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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4
2.5°	2511.1	2507.9	2493.1	2486.8	2450.8	2429.7	2421.2	2394.8	2356.7	2318.6	2276.3
5°	2796.7	2795.7	2768.2	2741.7	2674.0	2610.5	2598.9	2537.6	2451.9	2371.5	2291.1
7.5°	3088.7	3074.9	3047.4	2996.6	2898.3	2796.7	2787.2	2700.5	2578.8	2462.5	2347.2
10°	3336.2	3327.7	3291.7	3214.5	3099.2	2983.9	2972.3	2865.5	2728.0	2585.2	2438.1
12.5°	3528.7	3522.3	3474.7	3378.5	3255.8	3136.3	3120.4	3025.2	2878.2	2718.4	2545.0
15°	3646.1	3642.9	3584.7	3482.1	3361.6	3257.9	3244.1	3160.6	3024.1	2857.0	2661.3
17.5°	3673.6	3674.6	3614.4	3510.7	3411.3	3337.2	3326.6	3263.2	3148.9	2982.9	2777.7
20°	3612.2	3624.9	3571.0	3481.1	3419.7	3380.6	3372.1	3334.1	3237.8	3081.2	2870.8
22.5°	3525.5	3531.9	3494.8	3434.5	3409.2	3416.6	3412.3	3391.2	3309.7	3165.9	2962.8
25°	3472.6	3472.6	3450.4	3399.6	3416.6	3462.0	3463.1	3458.9	3394.3	3269.5	3074.9
27.5°	3470.5	3464.2	3438.8	3400.7	3447.2	3517.0	3521.3	3549.8	3509.6	3395.4	3214.5
30°	3555.1	3547.7	3493.8	3444.1	3503.3	3578.4	3589.0	3651.4	3631.3	3531.9	3370.0
32.5°	3752.9	3726.5	3607.0	3525.5	3569.9	3659.8	3673.6	3773.0	3804.8	3700.0	3520.2
35°	4023.7	3940.1	3767.7	3679.9	3684.2	3778.3	3791.0	3937.0	4031.1	3854.5	3636.6
37.5°	4397.1	4355.8	4075.5	3840.7	3859.8	4002.6	4039.6	4198.2	4171.8	3939.1	3768.8
40°	5215.8	5151.3	4853.0	4291.3	4027.9	4184.5	4196.1	4280.7	4282.9	4130.5	4043.8
42.5°	6330.7	6304.2	5990.1	5109.0	4359.0	4306.1	4327.3	4470.1	4629.8	4534.6	4530.4
45°	7565.1	7551.3	7218.1	6194.2	5028.6	4704.9	4731.3	4922.8	5228.5	5249.7	5384.0
47.5°	8558.3	8552.0	8360.5	7405.4	6053.5	5380.8	5389.3	5592.4	6129.7	6395.2	6609.9
50°	9463.8	9494.4	9343.2	8715.9	7449.8	6439.6	6419.5	6554.9	7418.1	7852.8	8119.3
52.5°	10722.5	10765.9	10341.7	9938.7	8914.8	7753.4	7737.5	7879.2	8966.6	9292.4	9340.0
55°	11834.2	11760.1	11424.8	11308.5	10701.3	9376.0	9371.7	9496.5	10464.4	10603.0	10690.8
57.5°	12325.0	12296.4	12458.3	12724.8	12572.5	11293.7	11284.2	11189.0	11804.6	11819.4	12089.1
60°	12634.9	12669.8	13165.9	13987.8	14367.5	13357.4	13296.0	12715.3	13084.5	13051.7	13340.4
62.5°	12402.2	12471.0	13363.7	14733.5	15710.9	15158.7	15072.0	14113.7	14178.2	14065.0	14333.7
65°	11166.7	11273.6	12736.5	14592.8	16377.3	16566.6	16478.8	15348.1	15046.6	14860.4	14711.3
67.5°	9067.1	9130.6	10658.0	13369.0	16076.9	17406.5	17388.5	16430.1	15702.4	14726.1	13568.9
69°	7493.2	7555.6	9025.8	12080.6	15415.8	17586.3	17621.2	16777.1	15577.6	13909.5	12022.5
70°	6346.5	6413.2	7783.0	10976.3	14648.9	17502.7	17565.1	16744.3	15220.1	12963.9	10665.4
72.5°	3328.8	3385.9	4791.6	7561.9	11942.1	16071.6	16260.9	15329.0	12901.5	9415.1	6306.3
75°	1046.1	1078.9	1871.2	3952.8	8176.5	12496.3	12539.7	12024.6	9161.2	5178.8	2626.4
77.5°	398.8	389.3	623.0	1456.5	4133.7	7868.7	8134.2	7514.3	4807.5	1831.0	606.1
80°	214.7	215.8	323.7	602.9	1768.6	4043.8	4268.1	3641.9	1708.3	571.2	139.6
82.5°	93.1	97.3	181.9	319.4	812.4	1491.4	1603.6	1334.9	652.6	384.0	51.8
85°	20.1	22.2	87.8	173.5	331.1	418.9	439.0	432.6	415.7	298.3	20.1
87.5°	0.0	0.0	39.1	62.4	83.6	95.2	83.6	108.9	229.5	201.0	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°	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4	2260.4
2.5°	2262.5	2243.5	2210.7	2174.7	2149.4	2122.9	2101.8	2092.2	2081.7	2074.3	2083.8
5°	2258.3	2221.3	2157.8	2096.5	2052.0	2016.1	1986.5	1974.8	1963.2	1954.7	1953.7
7.5°	2295.3	2243.5	2146.2	2056.3	1987.5	1938.9	1898.7	1881.8	1868.0	1861.7	1856.4
10°	2366.2	2299.6	2169.5	2052.0	1963.2	1880.7	1794.0	1727.3	1683.9	1663.9	1656.4
12.5°	2458.2	2374.7	2213.9	2074.3	1945.2	1786.6	1602.5	1443.8	1341.2	1307.4	1287.3
15°	2566.1	2462.5	2272.1	2102.8	1879.6	1589.8	1277.8	1070.5	975.3	956.2	935.1
17.5°	2669.8	2555.5	2341.9	2108.1	1735.8	1270.4	936.1	795.4	758.4	771.1	774.3
20°	2760.7	2647.6	2410.6	2061.6	1474.5	953.0	724.6	689.7	703.4	727.7	732.0
22.5°	2852.8	2736.4	2474.1	1938.9	1140.3	723.5	652.6	661.1	674.8	699.2	703.4
25°	2964.9	2844.3	2533.3	1713.6	855.7	615.6	619.8	632.5	646.3	668.5	670.6
27.5°	3093.9	2980.8	2572.5	1420.6	634.7	565.9	579.7	598.7	612.4	633.6	637.8
30°	3265.3	3160.6	2585.2	1117.0	532.1	521.5	527.8	551.1	571.2	590.2	593.4
32.5°	3426.1	3338.3	2542.8	843.0	492.9	480.2	480.2	494.0	517.2	535.2	539.5
35°	3574.2	3517.0	2407.5	616.7	463.3	442.1	431.6	431.6	446.4	461.2	465.4
37.5°	3769.8	3767.7	2188.5	491.9	434.7	410.4	388.2	371.3	366.0	369.2	371.3
40°	4105.2	4108.3	1902.9	441.1	410.4	377.6	343.8	313.1	284.5	275.0	274.0
42.5°	4628.7	4581.1	1603.6	416.8	389.3	343.8	293.0	251.7	207.3	193.6	192.5
45°	5460.1	5177.7	1286.2	394.5	367.0	305.7	242.2	186.2	150.2	139.6	139.6
47.5°	6671.3	5961.5	996.4	370.2	337.4	262.3	183.0	134.3	110.0	104.7	105.8
50°	7923.7	6729.5	763.7	339.5	301.5	216.8	135.4	97.3	83.6	83.6	84.6
52.5°	9034.3	7292.2	595.5	306.7	257.0	170.3	102.6	76.2	69.8	68.8	69.8
55°	10074.1	7655.0	455.9	268.7	204.1	126.9	78.3	62.4	58.2	56.1	55.0
57.5°	11076.8	7834.8	341.7	216.8	148.1	92.0	62.4	52.9	48.7	45.5	44.4
60°	11744.3	7688.8	234.8	159.7	102.6	66.6	51.8	45.5	40.2	37.0	36.0
62.5°	12120.8	7290.1	151.3	115.3	73.0	49.7	41.3	38.1	30.7	27.5	27.5
65°	11968.5	6632.1	105.8	82.5	52.9	37.0	30.7	30.7	22.2	18.0	16.9
67.5°	10606.1	5602.9	80.4	61.3	38.1	27.5	23.3	26.4	13.8	8.5	8.5
69°	9125.3	4643.6	68.8	50.8	31.7	22.2	20.1	24.3	9.5	6.3	5.3
70°	7931.1	4005.7	62.4	44.4	26.4	19.0	18.0	23.3	9.5	5.3	4.2
72.5°	4745.1	2234.0	47.6	31.7	16.9	14.8	14.8	26.4	9.5	5.3	4.2
75°	1917.7	787.0	34.9	22.2	12.7	12.7	18.0	33.8	8.5	4.2	3.2
77.5°	434.7	172.4	20.1	13.8	8.5	12.7	21.2	26.4	5.3	2.1	0.0
80°	105.8	42.3	12.7	8.5	5.3	9.5	15.9	14.8	1.1	0.0	0.0
82.5°	34.9	14.8	5.3	4.2	1.1	3.2	7.4	4.2	0.0	0.0	0.0
85°	14.8	8.5	2.1	1.1	0.0	0.0	1.1	0.0	0.0	0.0	0.0
87.5°	9.5	3.2	0.0	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)