

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: McGRAW-EDISON

Report Number: P939396

Luminaire Tested: **GALN-SB2A-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5812 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 57.3
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

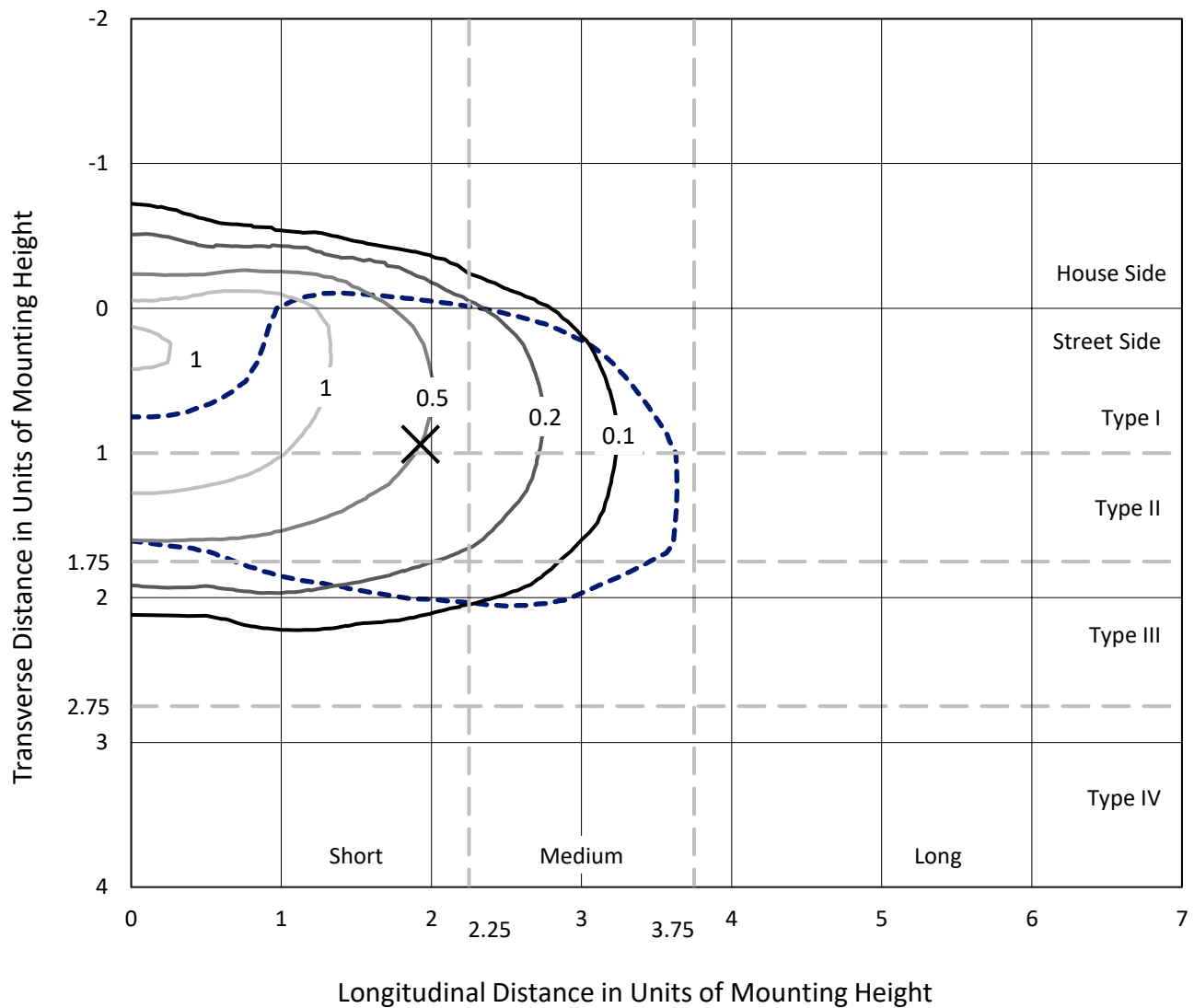


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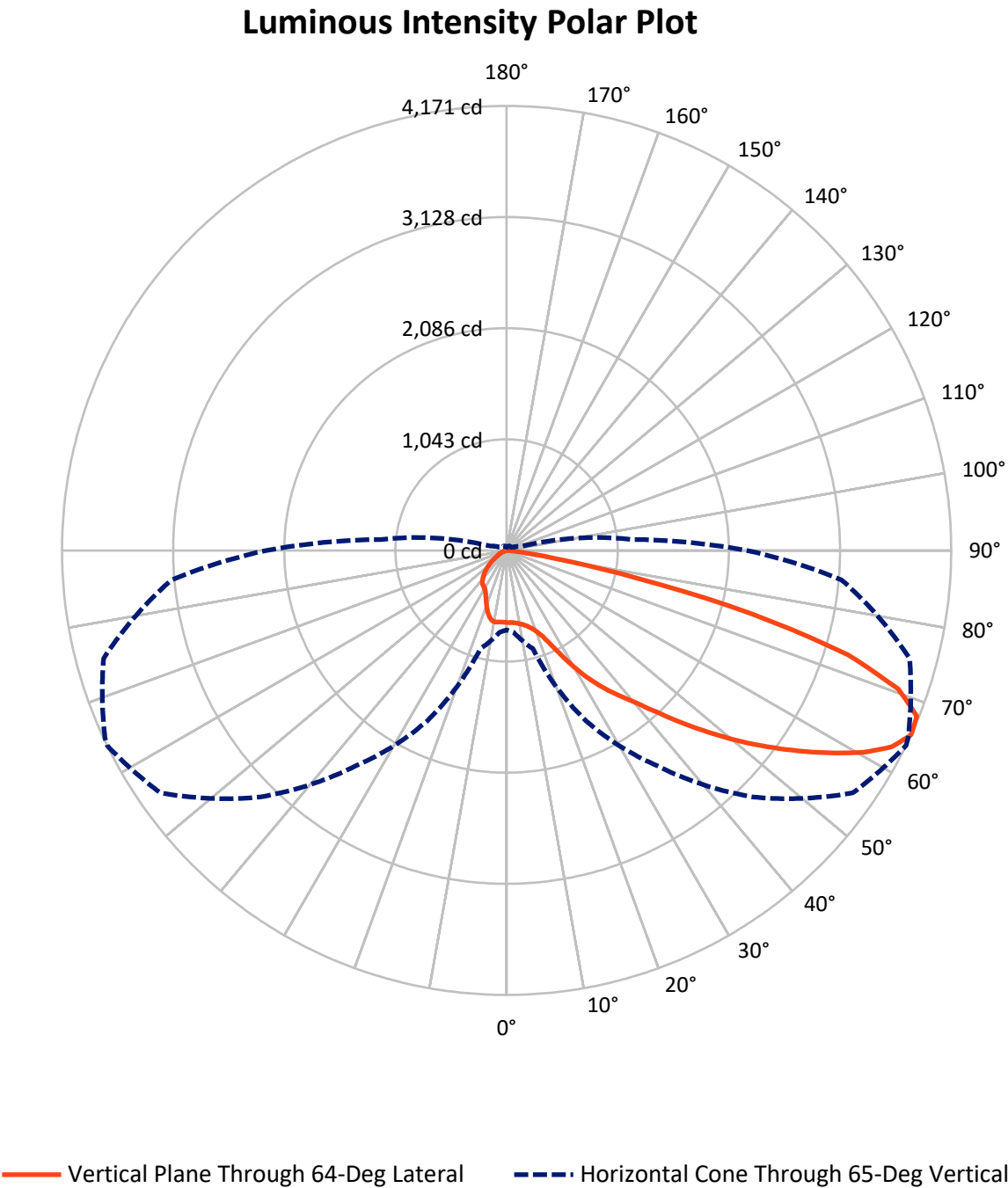
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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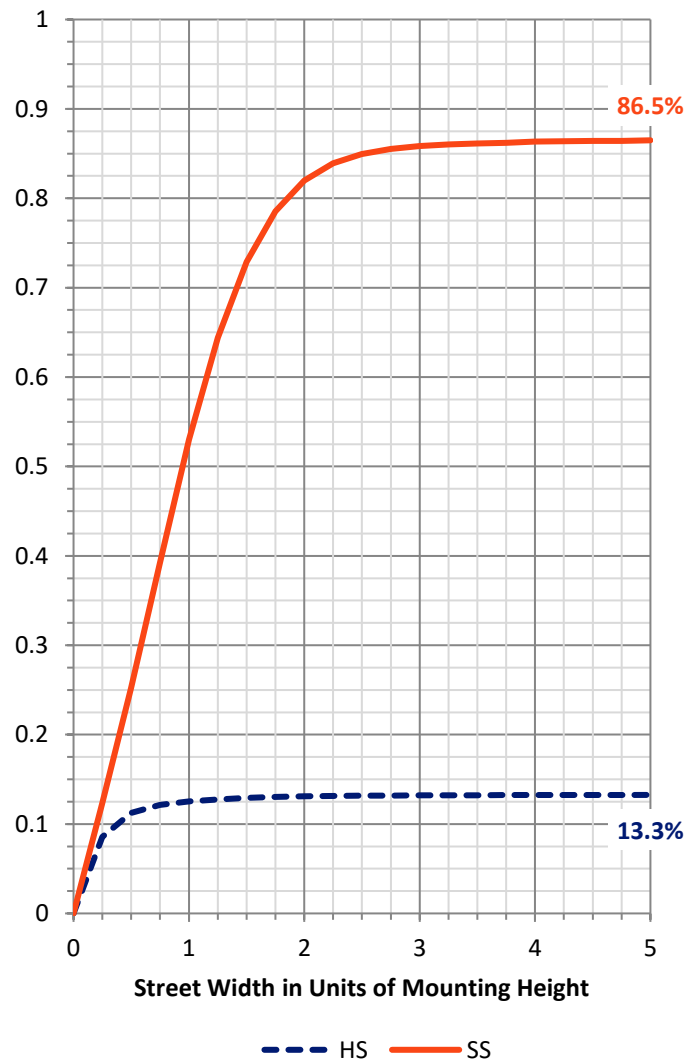
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	777.2	0.0	777.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5034.8	0.0	5034.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	5812.0	0.0	5812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	1.1
10°-20°	169.2	2.9
20°-30°	320.5	5.5
30°-40°	648.6	11.2
40°-50°	1104.9	19.0
50°-60°	1502.6	25.9
60°-70°	1411.0	24.3
70°-80°	565.3	9.7
80°-90°	27.4	0.5
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°	5812.0	100.0
0°-180°	5812.0	100.0

Coefficient of Utilization



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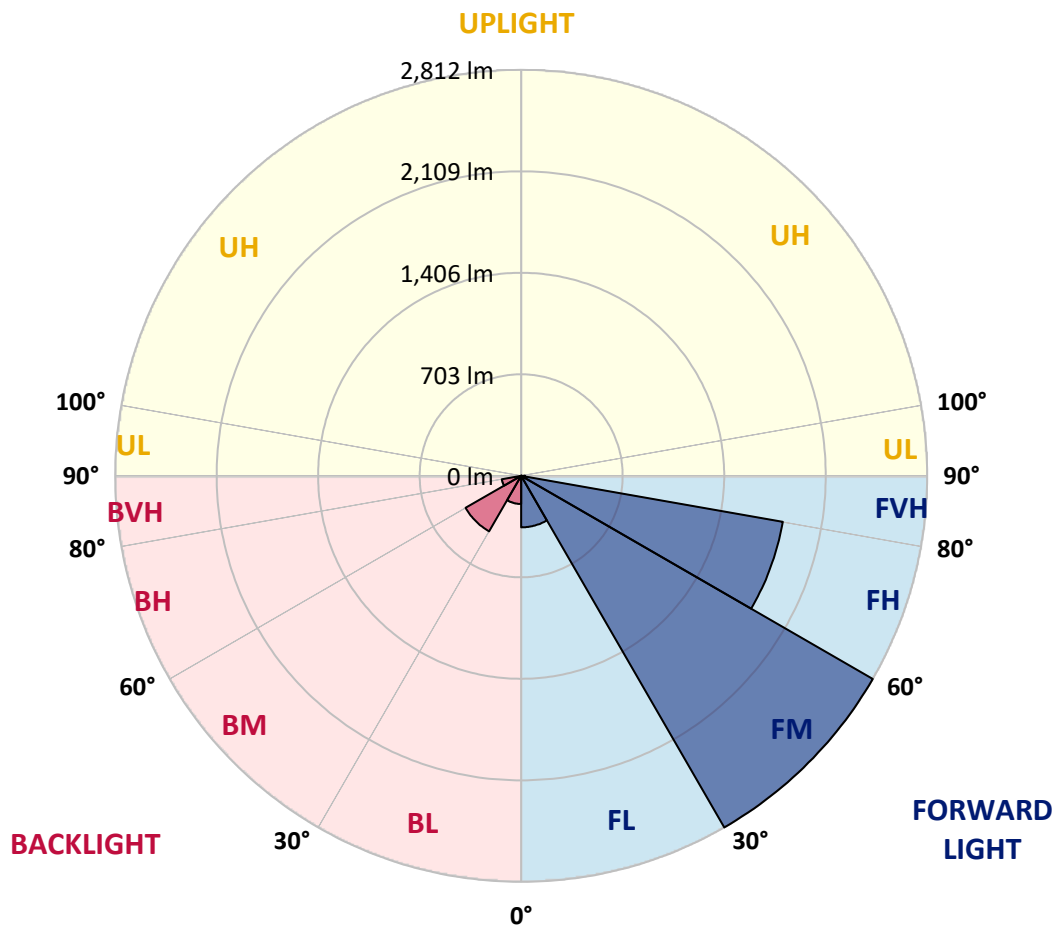
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.9	6.1			
FM	(30°-60°)	2811.8	48.4			
FH	(60°-80°)	1839.9	31.7			G2/5000
FVH	(80°-90°)	26.1	0.4			G1/100
BL	(0°-30°)	195.1	3.4	B1/500		
BM	(30°-60°)	444.3	7.6	B1/1000		
BH	(60°-80°)	136.4	2.3	B1/500		G1/500
BVH	(80°-90°)	1.3	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0
2.5°	673.7	678.3	677.2	676.0	675.6	676.4	676.8	676.4	676.4	676.4	676.8
5°	660.8	664.7	664.7	667.4	671.3	676.0	679.5	680.3	681.1	682.2	681.8
7.5°	636.3	639.4	641.7	650.7	660.4	672.9	683.4	688.9	689.6	693.9	695.5
10°	619.5	623.4	627.3	636.6	650.7	669.4	687.3	700.5	702.5	712.6	717.3
12.5°	618.7	622.6	627.7	637.8	654.2	674.0	695.9	715.0	718.5	733.3	743.0
15°	626.9	631.6	636.3	648.7	666.3	690.4	713.8	737.6	741.1	762.1	772.6
17.5°	643.7	649.9	653.4	665.9	684.6	711.5	742.2	769.5	772.6	797.2	810.4
20°	676.8	684.2	685.3	695.5	713.8	742.6	779.2	813.1	817.0	845.1	859.9
22.5°	745.3	755.9	746.5	751.6	767.9	796.8	836.5	879.4	884.8	916.8	930.0
25°	866.1	880.9	856.8	848.2	855.2	885.2	935.1	989.3	995.5	1021.2	1027.8
27.5°	1103.4	1084.3	1047.7	1011.9	990.8	1008.0	1064.1	1131.1	1138.9	1163.8	1156.0
30°	1364.1	1347.3	1297.8	1218.4	1168.5	1165.8	1217.6	1292.4	1301.3	1325.1	1301.3
32.5°	1625.1	1609.1	1555.4	1457.6	1371.1	1328.2	1364.1	1447.1	1451.7	1466.9	1431.9
35°	1881.9	1865.5	1811.7	1711.6	1605.2	1507.8	1500.8	1594.3	1595.9	1611.9	1559.7
37.5°	2140.2	2126.6	2069.3	1971.1	1866.3	1731.9	1666.8	1733.8	1735.8	1751.4	1697.2
40°	2324.5	2330.3	2291.0	2215.0	2125.0	1978.1	1853.0	1882.3	1870.6	1896.7	1864.3
42.5°	2482.7	2494.4	2460.1	2421.9	2369.7	2240.3	2083.7	2078.6	2059.9	2074.0	2040.5
45°	2619.4	2629.2	2598.4	2589.4	2588.3	2497.5	2335.8	2305.4	2279.3	2276.6	2236.4
47.5°	2669.7	2688.4	2701.6	2731.6	2790.1	2751.9	2596.4	2549.3	2520.1	2498.7	2435.1
50°	2688.8	2708.7	2753.9	2841.1	2979.4	2995.8	2855.9	2802.9	2767.1	2728.1	2634.6
52.5°	2663.1	2698.5	2759.3	2906.2	3106.9	3191.4	3104.9	3058.5	3017.6	2954.1	2815.4
55°	2511.5	2547.0	2671.3	2905.4	3170.4	3328.5	3340.2	3319.6	3273.6	3173.5	2961.5
57.5°	2192.0	2244.6	2441.4	2806.5	3169.2	3446.6	3570.9	3585.7	3534.3	3390.9	3076.5
60°	1749.4	1820.7	2060.7	2587.1	3071.4	3510.5	3773.1	3847.1	3792.6	3605.2	3169.6
62.5°	1220.7	1303.3	1530.4	2243.4	2847.8	3464.5	3920.8	4057.5	4016.2	3796.9	3205.4
65°	744.6	771.1	954.2	1765.4	2467.5	3272.1	3966.4	4171.3	4157.7	3914.2	3152.4
67.5°	496.0	518.2	570.8	1210.6	1915.4	2887.5	3857.3	4151.4	4155.3	3895.1	2958.4
70°	298.8	317.9	352.2	704.0	1241.3	2285.5	3519.5	3898.2	3920.8	3639.9	2590.6
72.5°	123.1	136.0	167.1	319.1	642.9	1450.6	2802.6	3346.9	3399.5	3060.5	1988.2
75°	69.7	76.4	98.2	160.1	279.0	676.0	1697.6	2375.9	2453.5	2109.4	1196.1
77.5°	46.4	49.5	63.5	103.6	157.0	230.7	725.5	1237.8	1385.9	1152.1	517.8
80°	31.2	33.9	43.6	69.4	102.1	99.0	231.0	458.6	564.2	395.9	126.2
82.5°	21.0	21.4	31.2	45.6	64.7	47.9	68.2	142.6	179.2	114.5	47.9
85°	12.1	11.7	23.0	26.5	28.8	19.9	20.7	42.9	56.1	48.3	27.3
87.5°	1.6	2.3	9.0	7.0	3.9	4.3	4.3	7.4	10.9	11.7	5.8
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°	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0
2.5°	676.8	676.4	675.2	674.0	671.3	669.8	670.5	669.8	669.4	669.8	671.3
5°	681.8	680.7	677.6	673.7	668.2	661.6	657.3	651.1	645.2	641.7	642.5
7.5°	695.5	694.3	690.0	679.1	661.6	633.9	608.6	586.4	569.6	559.9	560.3
10°	717.3	715.3	708.7	684.6	638.6	578.2	527.9	486.2	459.0	446.1	444.9
12.5°	743.0	740.7	729.0	679.5	595.0	500.7	431.3	384.9	359.6	348.3	347.2
15°	773.4	770.3	747.3	655.3	531.4	414.9	351.4	316.8	300.4	290.3	290.7
17.5°	811.2	805.7	760.9	619.1	462.5	349.5	302.3	276.2	261.8	252.1	251.3
20°	860.3	851.3	771.8	575.9	399.0	308.2	269.2	247.4	236.5	227.9	226.4
22.5°	928.9	916.0	785.1	529.1	354.2	279.7	244.7	228.7	219.7	210.0	208.4
25°	1013.8	998.6	801.5	485.9	323.4	255.2	226.8	213.5	203.0	191.7	190.5
27.5°	1132.6	1105.4	820.9	450.4	296.9	234.2	210.4	195.6	183.5	174.2	172.2
30°	1265.1	1220.3	838.1	429.0	272.7	214.7	189.0	174.2	162.9	156.2	155.1
32.5°	1390.6	1329.8	849.4	419.6	250.9	192.5	165.6	149.6	141.0	139.1	140.3
35°	1509.0	1428.7	848.2	410.7	231.4	170.3	142.6	126.2	119.6	120.8	120.8
37.5°	1645.4	1534.3	840.0	396.6	215.5	150.0	122.7	108.3	102.5	102.9	104.4
40°	1804.0	1656.3	835.0	370.1	197.9	131.3	106.4	94.7	90.4	88.8	88.4
42.5°	1973.1	1774.3	835.7	340.1	176.1	114.5	95.1	85.3	81.4	80.3	79.9
45°	2142.9	1886.9	836.9	309.0	153.1	101.7	86.9	78.7	76.4	74.8	74.8
47.5°	2302.7	1982.8	815.1	275.5	130.5	92.0	80.3	74.8	72.9	70.9	70.9
50°	2451.5	2046.7	762.5	236.5	112.6	84.2	75.2	71.3	69.4	67.4	67.4
52.5°	2567.2	2056.8	675.6	196.4	100.1	78.3	72.1	68.6	66.2	64.3	63.9
55°	2618.7	1993.3	552.1	159.0	90.4	73.2	69.0	65.5	62.7	60.8	60.4
57.5°	2605.4	1859.7	430.5	127.8	81.0	68.2	65.1	62.7	59.6	56.5	56.1
60°	2540.3	1680.8	324.6	106.4	72.5	62.7	60.8	58.8	54.5	49.9	49.1
62.5°	2427.7	1456.0	231.4	88.1	63.1	56.5	55.7	54.2	47.9	39.4	38.6
65°	2255.5	1182.9	155.8	73.2	54.2	49.5	49.9	47.1	39.0	29.2	28.4
67.5°	2003.8	865.0	99.7	60.0	45.2	41.3	41.7	40.1	33.1	24.9	23.8
70°	1683.2	572.7	65.1	45.6	36.2	31.9	34.3	34.7	28.1	20.3	19.5
72.5°	1233.9	338.2	45.6	33.9	26.5	22.2	28.1	28.8	22.6	15.2	14.4
75°	703.3	160.5	34.3	24.5	16.4	15.6	21.8	21.8	15.6	10.1	9.4
77.5°	295.3	67.0	24.2	16.0	9.4	9.0	14.8	13.6	7.8	4.7	4.7
80°	85.3	30.0	12.9	7.8	3.9	3.5	5.8	4.3	1.9	0.8	0.8
82.5°	33.5	13.2	5.1	3.1	1.6	1.6	0.8	0.0	0.0	0.0	0.0
85°	19.9	5.5	2.3	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	1.2	0.8	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)