

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: P952006

Luminaire Tested: **GALN-SB6A-727-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-727-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19282 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

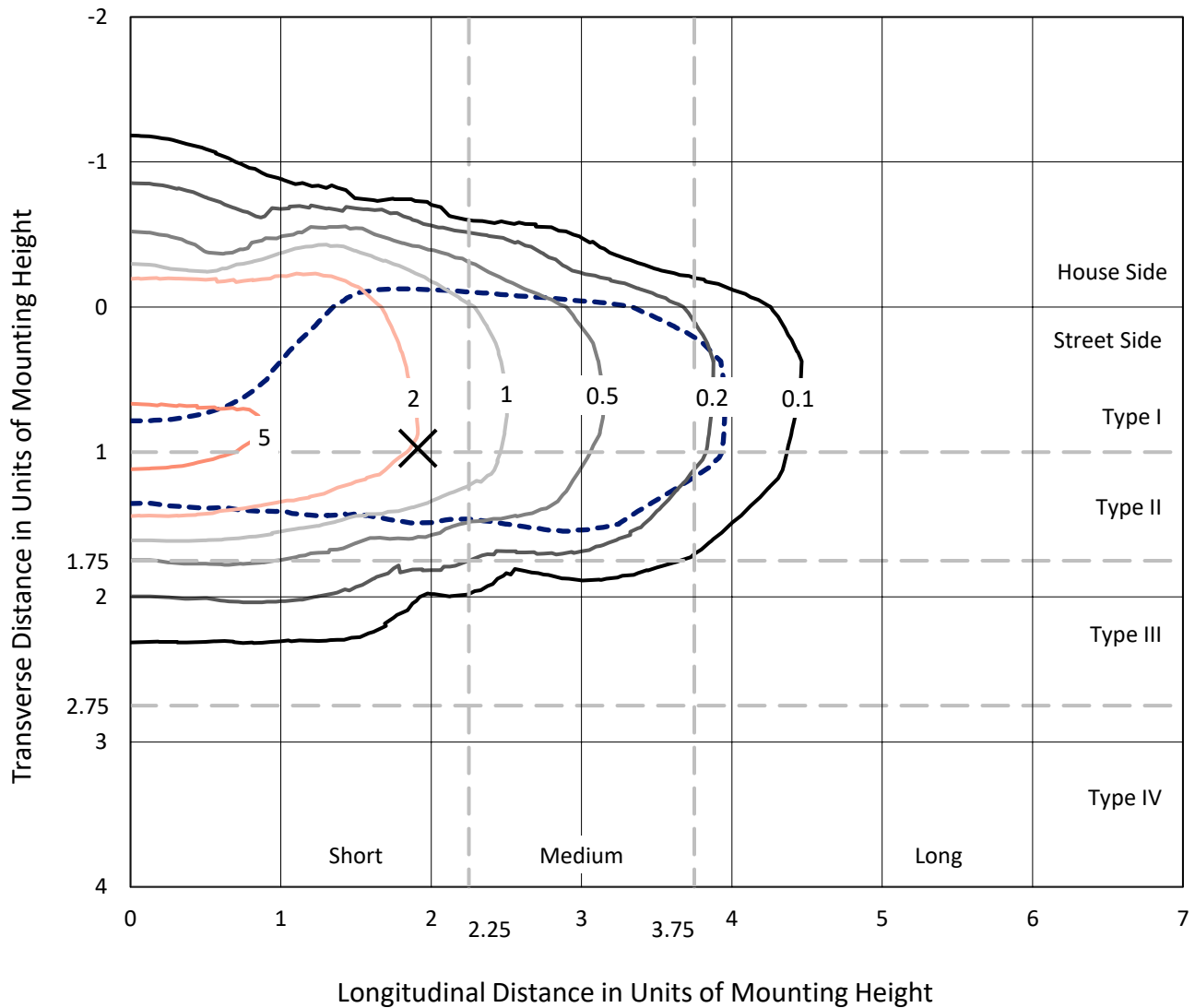
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

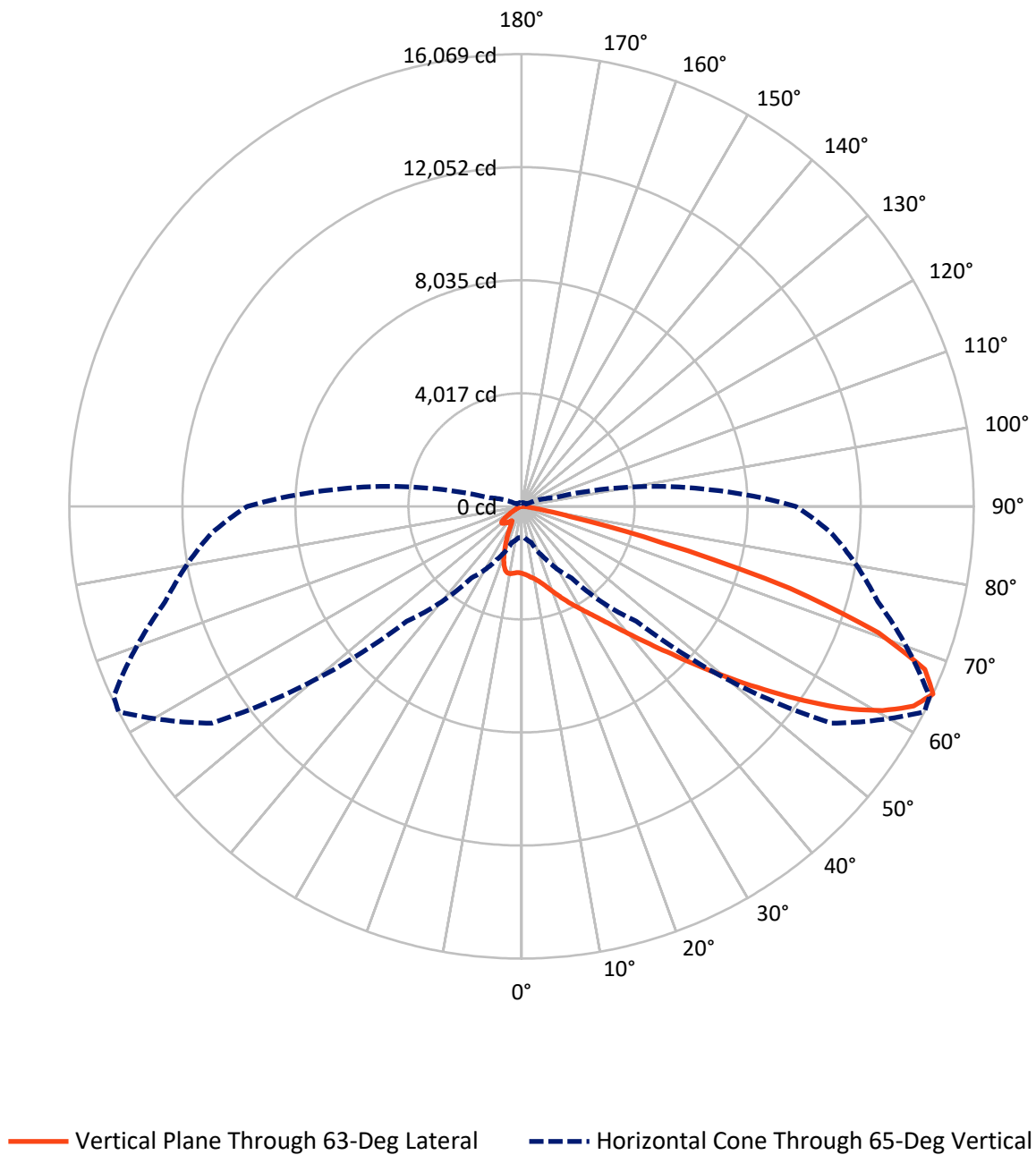


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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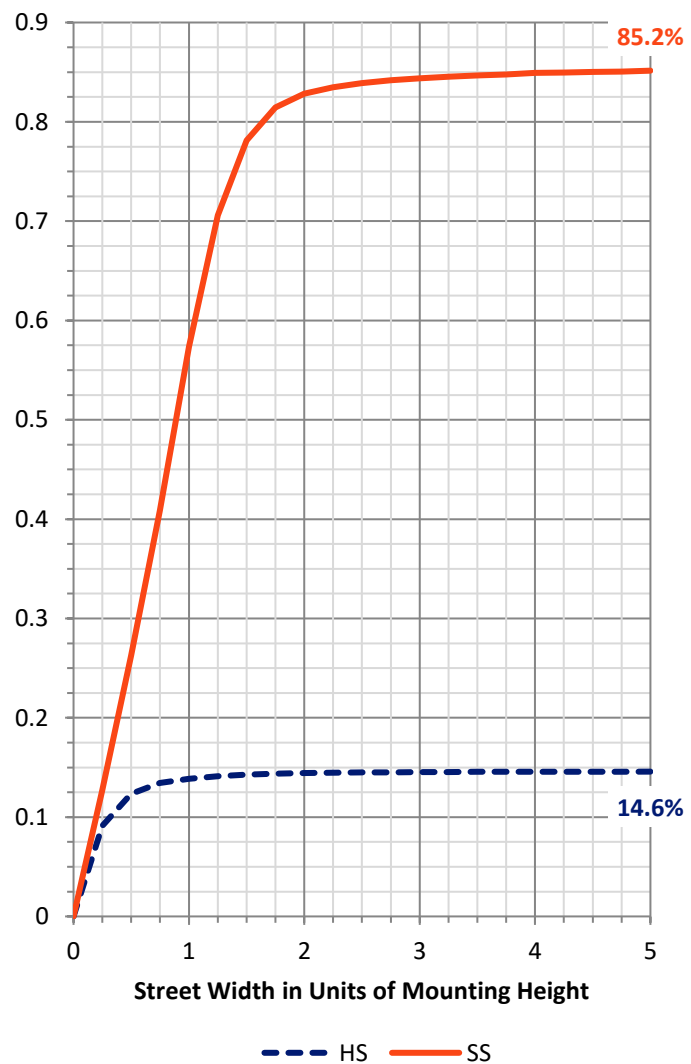
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2834.3	0.0	2834.3
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	16447.7	0.0	16447.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	19282.0	0.0	19282.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	1.2
10°-20°	622.1	3.2
20°-30°	1083.3	5.6
30°-40°	1952.5	10.1
40°-50°	3872.4	20.1
50°-60°	5274.9	27.4
60°-70°	4210.4	21.8
70°-80°	1905.3	9.9
80°-90°	137.0	0.7
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°	19282.0	100.0
0°-180°	19282.0	100.0

Coefficient of Utilization



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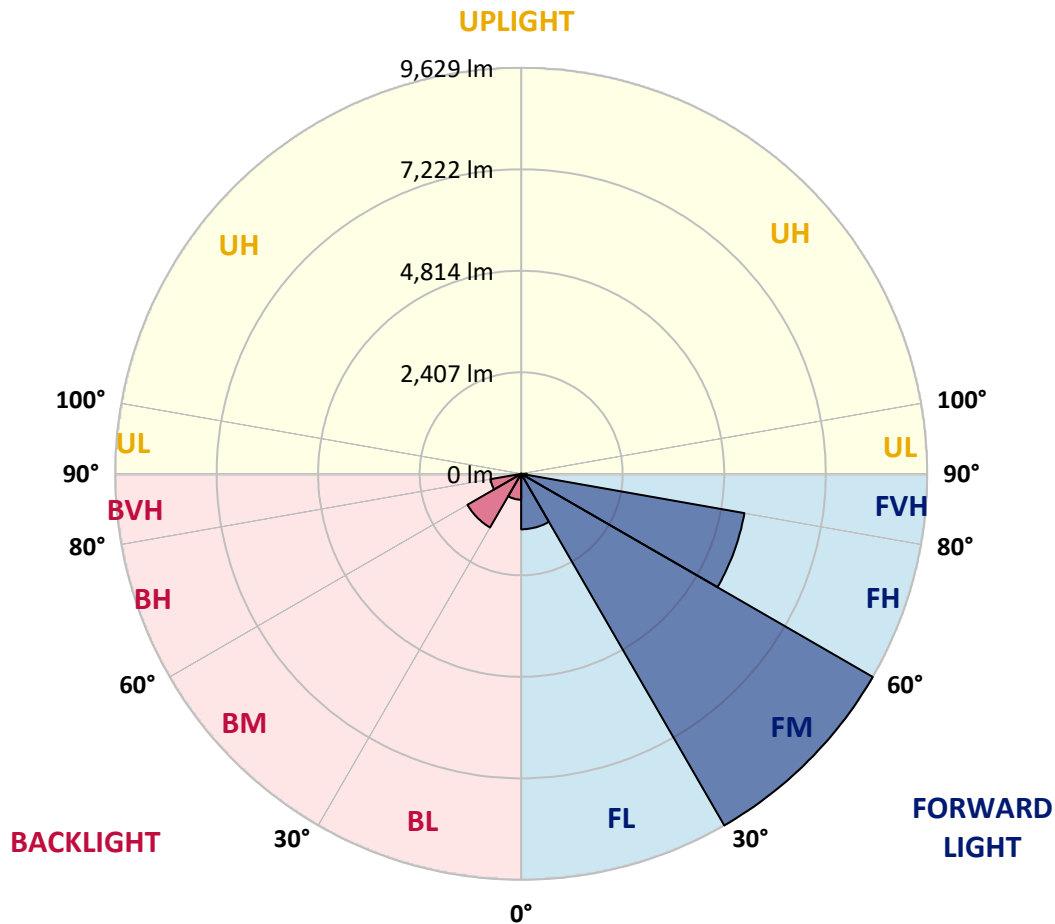
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1316.2	6.8			
FM	(30°-60°)	9629.0	49.9			
FH	(60°-80°)	5375.7	27.9			G3/7500
FVH	(80°-90°)	126.8	0.7			G2/225
BL	(0°-30°)	613.4	3.2	B2/1000		
BM	(30°-60°)	1470.8	7.6	B2/2500		
BH	(60°-80°)	739.9	3.8	B2/1000		G2/1000
BVH	(80°-90°)	10.2	0.1			G1/100
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°	55°	63°	65°	75°	85°
0°	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8
2.5°	2435.5	2428.8	2438.1	2434.2	2431.5	2426.2	2423.5	2420.9	2415.6	2411.6	2395.7
5°	2442.1	2438.1	2447.4	2455.4	2463.3	2471.3	2475.3	2480.6	2475.3	2464.7	2448.7
7.5°	2386.4	2383.7	2403.6	2427.5	2463.3	2493.8	2527.0	2545.6	2546.9	2542.9	2525.7
10°	2382.4	2375.8	2395.7	2424.9	2471.3	2525.7	2584.0	2623.8	2629.1	2646.4	2627.8
12.5°	2444.8	2438.1	2466.0	2497.8	2545.6	2602.6	2674.2	2730.0	2737.9	2761.8	2748.5
15°	2549.6	2540.3	2572.1	2613.2	2674.2	2739.2	2814.9	2865.3	2871.9	2901.1	2877.2
17.5°	2671.6	2662.3	2699.5	2743.2	2809.6	2898.4	2986.0	3041.7	3049.7	3068.2	3024.4
20°	2828.1	2816.2	2845.4	2885.2	2955.5	3061.6	3166.4	3246.0	3244.6	3244.6	3173.0
22.5°	3009.9	2991.3	3016.5	3048.3	3114.7	3243.3	3382.6	3476.8	3476.8	3439.6	3321.6
25°	3204.9	3186.3	3214.1	3243.3	3301.7	3447.6	3610.8	3727.5	3732.8	3669.1	3480.8
27.5°	3448.9	3425.1	3446.3	3480.8	3515.3	3663.8	3857.5	3992.8	3995.5	3897.3	3632.0
30°	3918.5	3850.9	3784.5	3747.4	3763.3	3910.6	4117.5	4267.4	4280.7	4145.4	3796.5
32.5°	4778.1	4764.8	4531.4	4226.3	4067.1	4175.9	4408.0	4588.4	4596.4	4422.6	4010.0
35°	6113.9	6098.0	5722.6	5141.6	4622.9	4531.4	4760.9	4974.4	4969.1	4772.8	4287.3
37.5°	7708.4	7693.8	7199.0	6421.6	5582.0	5068.6	5215.8	5440.0	5473.2	5215.8	4645.4
40°	9070.7	9016.3	8703.2	7953.8	6855.4	5960.0	5863.2	6011.8	6046.2	5741.1	5100.4
42.5°	10102.7	10056.3	9897.1	9428.8	8396.8	7278.6	6625.9	6683.0	6721.4	6355.3	5623.1
45°	10637.3	10626.7	10690.4	10646.6	9967.4	8896.9	7716.3	7478.9	7493.5	7035.8	6216.0
47.5°	10712.9	10707.6	10998.1	11409.3	11317.8	10722.2	9115.8	8471.1	8419.4	7803.9	6860.7
50°	10267.2	10256.6	10813.7	11584.4	12219.8	12255.6	10705.0	9589.4	9475.3	8598.5	7533.3
52.5°	8843.9	8841.2	9756.5	11039.2	12536.9	13598.1	12275.5	10817.7	10626.7	9439.5	8244.3
55°	6805.0	6854.1	7903.4	9419.6	11958.5	14244.1	13685.6	12181.4	11888.2	10285.8	8899.6
57.5°	4820.5	4892.2	5929.5	7279.9	10165.1	13862.1	14639.4	13547.7	13232.0	11129.4	9564.2
60°	2589.4	2653.0	3691.7	5303.4	7562.4	12437.4	15142.1	14733.6	14435.1	11930.7	10163.7
62.5°	1542.7	1564.0	1993.7	3423.7	5115.0	9501.8	14928.6	15636.9	15391.5	12603.2	10685.1
65°	1107.6	1111.6	1327.8	2090.6	3105.4	5773.0	13430.9	16069.4	15993.8	13109.9	11071.1
67.5°	932.5	929.9	1020.1	1388.9	2115.8	2891.8	10293.7	15457.8	15778.9	13430.9	11289.9
70°	799.9	803.9	910.0	1017.4	1590.5	1636.9	5117.7	13458.8	14143.3	13515.8	11276.7
72.5°	595.6	608.9	707.0	927.2	1200.5	1126.2	1766.9	9979.4	11217.0	12734.5	10691.7
75°	420.5	427.1	497.4	780.0	895.4	819.8	902.0	5158.8	6745.3	9763.1	8751.0
77.5°	323.7	335.6	376.7	545.2	882.1	575.7	551.8	1785.5	2743.2	5897.7	5999.8
80°	175.1	196.3	271.9	394.0	619.5	407.2	273.3	711.0	929.9	2757.8	2313.4
82.5°	90.2	100.8	189.7	283.9	352.9	355.5	135.3	295.8	383.4	851.6	317.0
85°	35.8	43.8	127.3	156.5	181.7	175.1	61.0	119.4	138.0	236.1	96.8
87.5°	8.0	13.3	46.4	35.8	34.5	37.1	14.6	27.9	26.5	27.9	17.2
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°	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8	2379.8
2.5°	2394.4	2389.0	2374.5	2358.5	2340.0	2329.4	2322.7	2321.4	2312.1	2305.5	2312.1
5°	2434.2	2428.8	2401.0	2367.8	2332.0	2304.2	2277.6	2253.7	2219.3	2212.6	2210.0
7.5°	2513.7	2499.1	2454.0	2408.9	2341.3	2260.4	2162.2	2049.5	1948.6	1918.1	1903.5
10°	2611.9	2592.0	2535.0	2455.4	2305.5	2085.3	1847.8	1627.6	1452.5	1403.5	1384.9
12.5°	2723.3	2706.1	2630.5	2483.2	2155.6	1756.3	1392.8	1119.6	949.8	907.3	895.4
15°	2856.0	2830.8	2726.0	2440.8	1887.6	1334.5	956.4	794.6	733.6	725.6	717.6
17.5°	2996.6	2955.5	2810.9	2288.2	1526.8	948.5	738.9	692.4	665.9	658.0	654.0
20°	3125.3	3072.2	2861.3	2057.4	1140.8	738.9	661.9	631.4	607.5	598.3	593.0
22.5°	3253.9	3178.3	2861.3	1743.0	855.6	655.3	607.5	579.7	551.8	539.9	533.3
25°	3387.9	3287.1	2810.9	1392.8	688.5	600.9	555.8	525.3	501.4	486.8	481.5
27.5°	3517.9	3378.6	2695.5	1061.2	612.8	553.2	508.1	478.9	456.3	445.7	445.7
30°	3641.3	3468.8	2533.6	805.2	563.8	506.7	464.3	439.1	416.5	405.9	407.2
32.5°	3808.4	3582.9	2361.2	660.6	521.3	463.0	424.5	400.6	380.7	372.7	372.7
35°	4040.6	3751.4	2212.6	648.7	485.5	427.1	388.7	366.1	346.2	339.6	339.6
37.5°	4369.5	4023.3	2134.4	728.3	456.3	395.3	359.5	335.6	317.0	311.7	310.4
40°	4775.4	4392.1	2176.8	807.8	436.4	367.4	333.0	309.1	293.2	286.5	285.2
42.5°	5257.0	4847.1	2411.6	868.9	423.2	343.6	307.8	281.2	270.6	268.0	268.0
45°	5810.1	5347.2	2771.1	933.9	401.9	321.0	282.5	262.6	254.7	253.4	252.0
47.5°	6438.9	5896.3	3187.6	1014.8	380.7	299.8	262.6	249.4	242.8	240.1	240.1
50°	7062.4	6449.5	3616.1	1059.9	363.5	279.9	246.7	236.1	230.8	229.5	229.5
52.5°	7715.0	7018.6	3962.3	1017.4	348.9	264.0	233.5	225.5	220.2	218.9	218.9
55°	8337.1	7478.9	4022.0	863.6	319.7	248.1	218.9	214.9	208.3	208.3	206.9
57.5°	8873.0	7709.7	3600.2	634.1	290.5	224.2	204.3	200.3	195.0	193.7	192.3
60°	9365.2	7643.4	2779.0	427.1	258.7	200.3	185.7	183.1	177.8	171.1	169.8
62.5°	9642.4	7351.5	1900.9	278.6	226.8	175.1	164.5	163.2	151.2	138.0	135.3
65°	9747.2	6751.9	1185.9	203.0	189.7	149.9	141.9	139.3	122.0	107.4	106.1
67.5°	9655.7	5765.0	598.3	160.5	149.9	124.7	116.7	116.7	104.8	91.5	90.2
70°	9289.6	4321.8	252.0	128.7	115.4	95.5	95.5	100.8	88.9	74.3	73.0
72.5°	8495.0	2907.7	134.0	98.2	86.2	67.7	78.3	82.2	70.3	55.7	55.7
75°	6753.3	1773.5	92.9	73.0	54.4	47.8	59.7	62.3	47.8	37.1	35.8
77.5°	4618.9	1018.8	62.3	46.4	34.5	27.9	41.1	38.5	25.2	17.2	18.6
80°	2028.2	424.5	35.8	21.2	13.3	10.6	14.6	10.6	8.0	5.3	5.3
82.5°	237.4	99.5	13.3	8.0	5.3	2.7	1.3	0.0	0.0	0.0	0.0
85°	49.1	11.9	6.6	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.3	2.7	1.3	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)