

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: P952342

Luminaire Tested: **GALN-SB6B-722-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952342  
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-SB6B-722-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

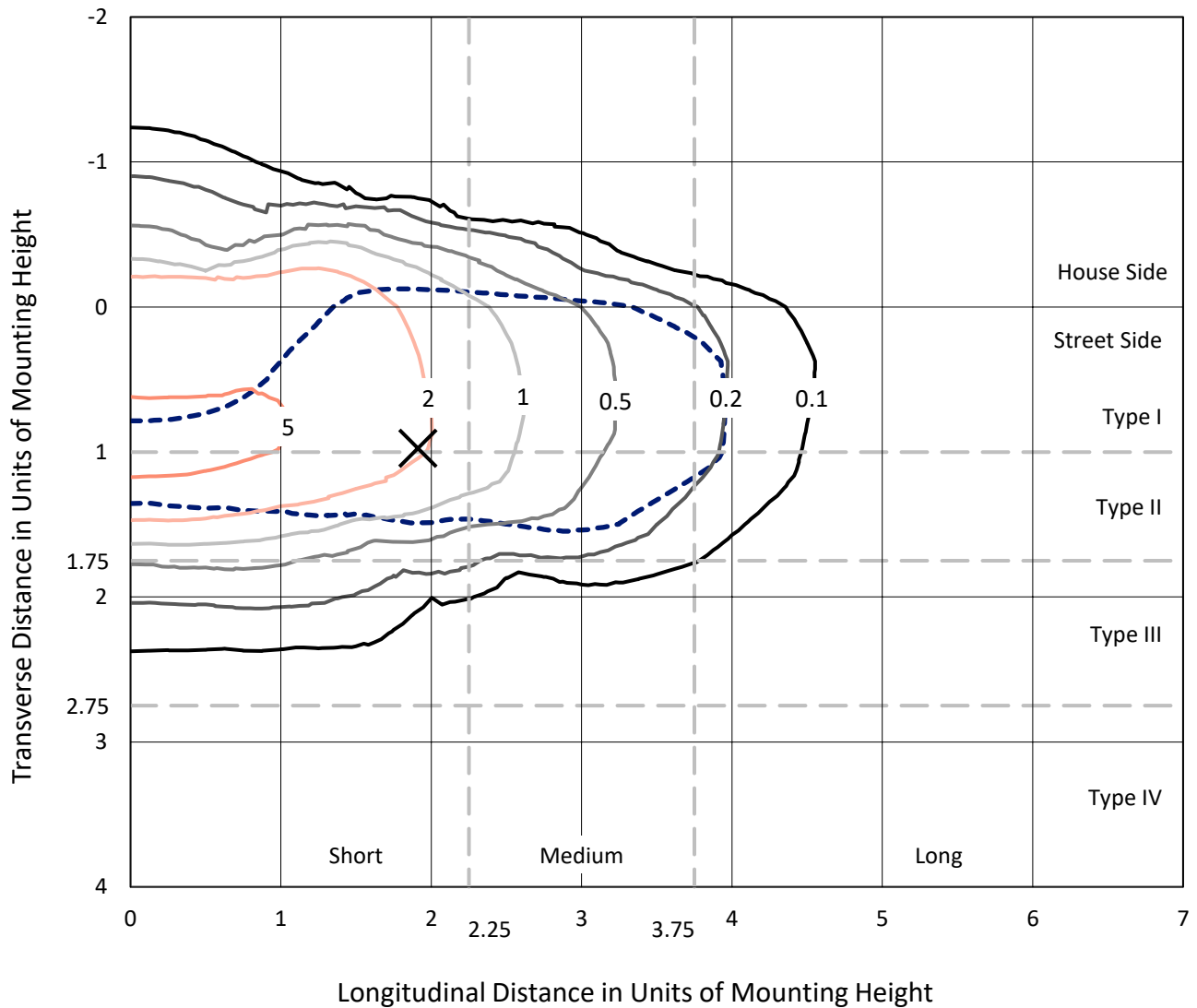
Lumens per Lamp: N/A  
Luminaire Lumens: 21558 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

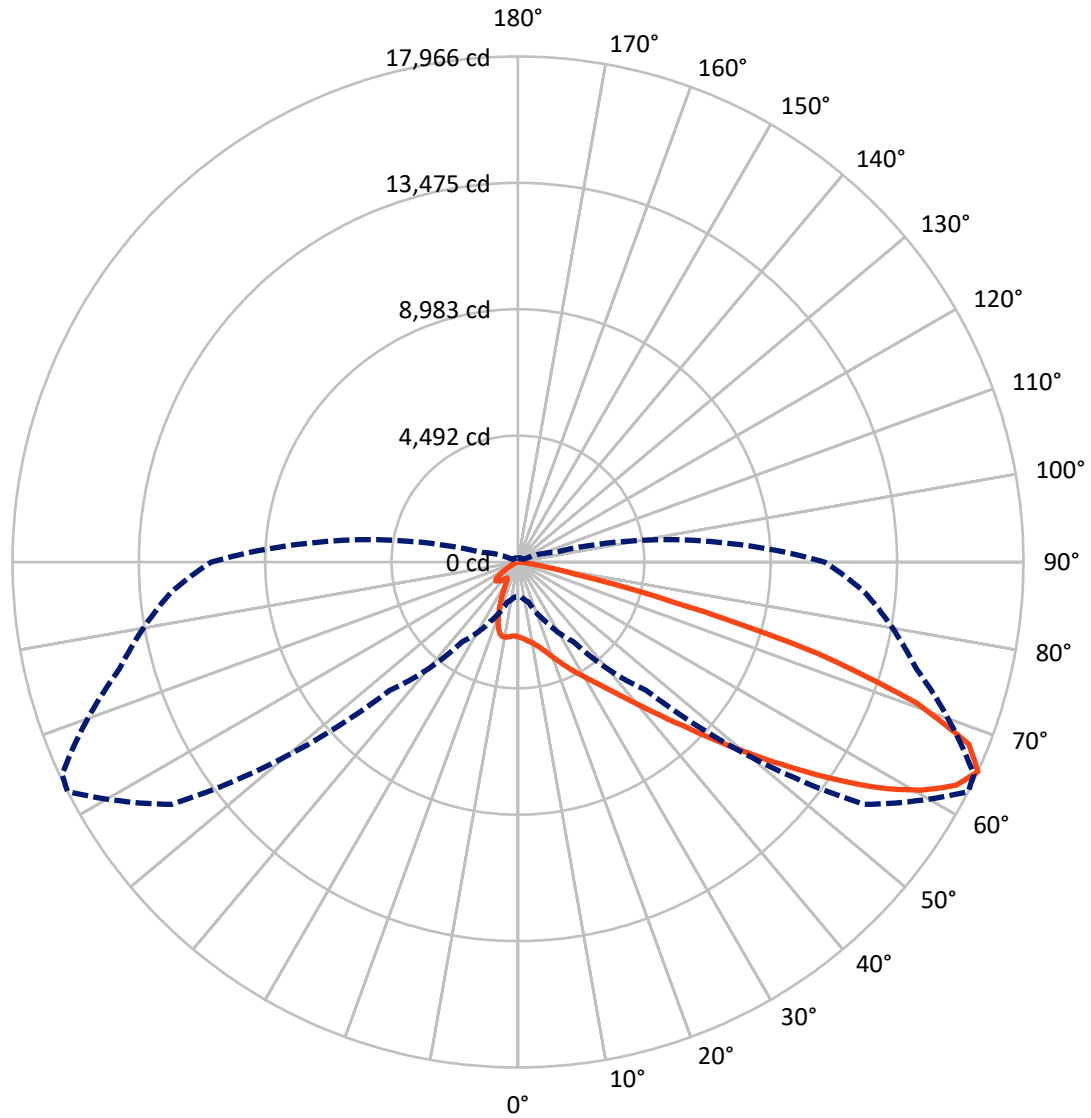
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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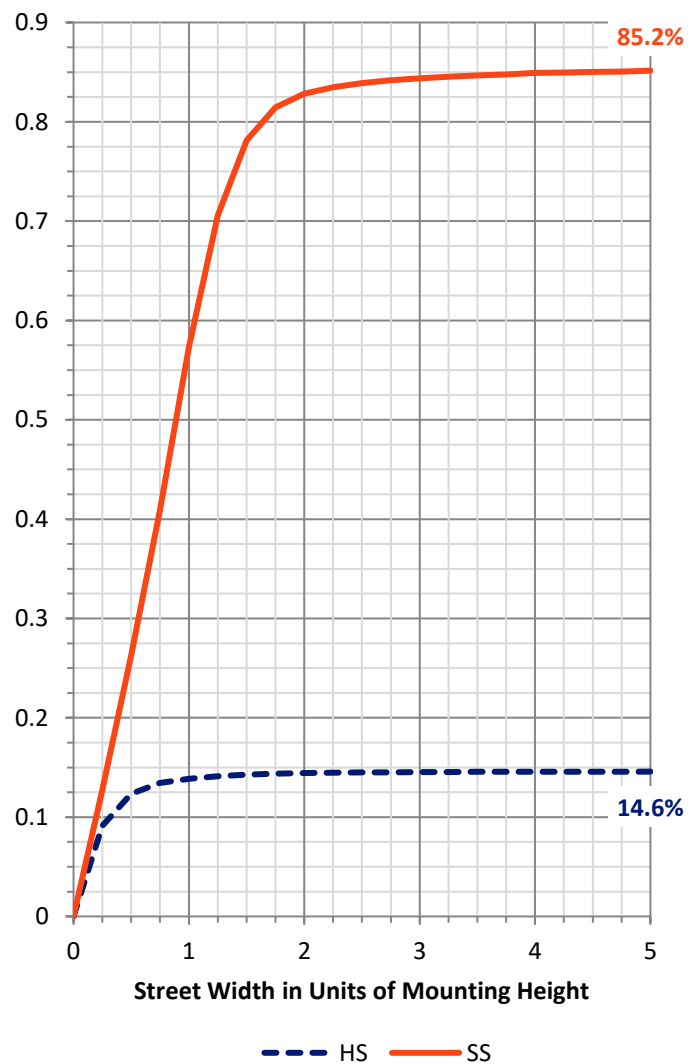
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3168.9	0.0	3168.9
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	18389.1	0.0	18389.1
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	21558.0	0.0	21558.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.7	1.2
10°-20°	695.6	3.2
20°-30°	1211.1	5.6
30°-40°	2183.0	10.1
40°-50°	4329.5	20.1
50°-60°	5897.5	27.4
60°-70°	4707.3	21.8
70°-80°	2130.2	9.9
80°-90°	153.1	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°	21558.0	100.0
0°-180°	21558.0	100.0

**Coefficient of Utilization**



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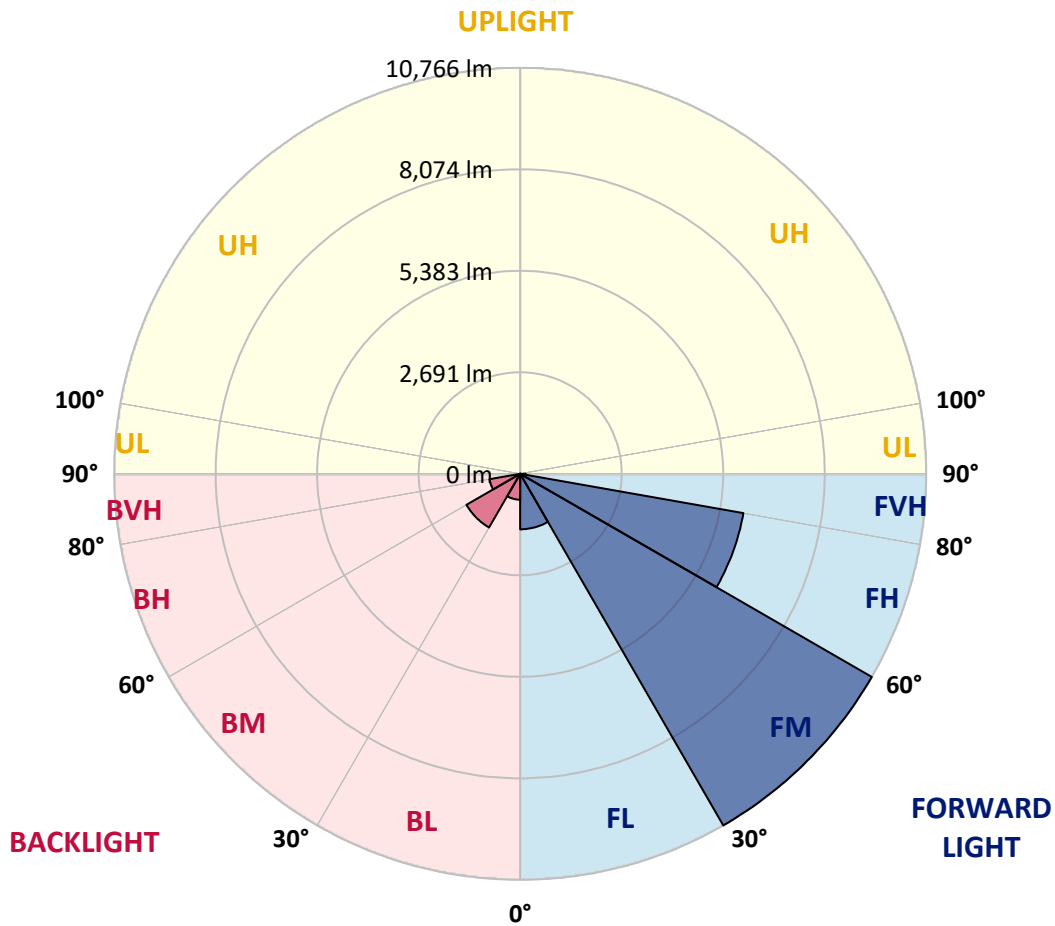
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1471.6	6.8			
FM (30°-60°)	10765.5	49.9			
FH (60°-80°)	6010.3	27.9			G3/7500
FVH (80°-90°)	141.8	0.7			G2/225
BL (0°-30°)	685.8	3.2	B2/1000		
BM (30°-60°)	1644.4	7.6	B2/2500		
BH (60°-80°)	827.3	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.4	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°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2.5°	2723.0	2715.5	2725.9	2721.5	2718.5	2712.6	2709.6	2706.6	2700.7	2696.3	2678.5
5°	2730.4	2725.9	2736.3	2745.2	2754.1	2763.0	2767.4	2773.4	2767.4	2755.6	2737.8
7.5°	2668.1	2665.1	2687.4	2714.1	2754.1	2788.2	2825.3	2846.1	2847.5	2843.1	2823.8
10°	2663.6	2656.2	2678.5	2711.1	2763.0	2823.8	2889.1	2933.6	2939.5	2958.8	2938.0
12.5°	2733.3	2725.9	2757.1	2792.7	2846.1	2909.8	2989.9	3052.2	3061.1	3087.8	3073.0
15°	2850.5	2840.1	2875.7	2921.7	2989.9	3062.6	3147.1	3203.5	3210.9	3243.5	3216.8
17.5°	2986.9	2976.6	3018.1	3067.0	3141.2	3240.6	3338.4	3400.7	3409.6	3430.4	3381.4
20°	3161.9	3148.6	3181.2	3225.7	3304.3	3423.0	3540.1	3629.1	3627.6	3627.6	3547.6
22.5°	3365.1	3344.4	3372.5	3408.1	3482.3	3626.2	3781.9	3887.2	3887.2	3845.7	3713.7
25°	3583.1	3562.4	3593.5	3626.2	3691.4	3854.6	4037.0	4167.5	4173.4	4102.2	3891.6
27.5°	3856.0	3829.3	3853.1	3891.6	3930.2	4096.3	4312.8	4464.1	4467.1	4357.3	4060.7
30°	4381.0	4305.4	4231.3	4189.7	4207.5	4372.2	4603.5	4771.1	4785.9	4634.7	4244.6
32.5°	5342.1	5327.3	5066.2	4725.1	4547.2	4668.8	4928.3	5130.0	5138.9	4944.6	4483.4
35°	6835.6	6817.8	6398.1	5748.5	5168.6	5066.2	5322.8	5561.6	5555.7	5336.2	4793.3
37.5°	8618.2	8601.9	8048.7	7179.6	6240.8	5666.9	5831.5	6082.2	6119.2	5831.5	5193.8
40°	10141.4	10080.6	9730.6	8892.6	7664.6	6663.5	6555.3	6721.4	6759.9	6418.8	5702.5
42.5°	11295.2	11243.3	11065.3	10541.8	9388.0	8137.7	7408.0	7471.8	7514.8	7105.5	6286.8
45°	11892.9	11881.0	11952.2	11903.3	11143.9	9947.1	8627.1	8361.7	8378.0	7866.3	6949.8
47.5°	11977.4	11971.5	12296.3	12756.1	12653.7	11987.8	10191.8	9471.0	9413.2	8725.0	7670.5
50°	11479.1	11467.3	12090.2	12951.8	13662.2	13702.3	11968.5	10721.3	10593.7	9613.4	8422.5
52.5°	9887.8	9884.8	10908.1	12342.3	14016.7	15203.2	13724.5	12094.6	11881.0	10553.7	9217.4
55°	7608.3	7663.1	8836.3	10531.4	13370.1	15925.4	15301.0	13619.2	13291.5	11499.9	9950.1
57.5°	5389.6	5469.6	6629.4	8139.2	11364.9	15498.3	16367.4	15146.8	14793.8	12443.1	10693.1
60°	2895.0	2966.2	4127.4	5929.4	8455.1	13905.5	16929.5	16472.7	16139.0	13338.9	11363.4
62.5°	1724.8	1748.6	2229.1	3827.9	5718.8	10623.4	16690.7	17482.7	17208.3	14090.8	11946.3
65°	1238.4	1242.8	1484.6	2337.4	3471.9	6454.4	15016.3	17966.2	17881.6	14657.4	12377.9
67.5°	1042.6	1039.6	1140.5	1552.8	2365.5	3233.1	11508.8	17282.5	17641.4	15016.3	12622.6
70°	894.3	898.8	1017.4	1137.5	1778.2	1830.1	5721.8	15047.4	15812.7	15111.2	12607.8
72.5°	665.9	680.7	790.5	1036.7	1342.2	1259.1	1975.5	11157.3	12541.0	14237.7	11953.7
75°	470.1	477.6	556.2	872.1	1001.1	916.5	1008.5	5767.7	7541.5	10915.5	9783.9
77.5°	361.9	375.2	421.2	609.6	986.3	643.7	617.0	1996.2	3067.0	6593.8	6708.0
80°	195.8	219.5	304.0	440.5	692.6	455.3	305.5	794.9	1039.6	3083.3	2586.5
82.5°	100.9	112.7	212.1	317.4	394.5	397.5	151.3	330.7	428.6	952.1	354.5
85°	40.0	48.9	142.4	175.0	203.2	195.8	68.2	133.5	154.2	264.0	108.3
87.5°	8.9	14.8	51.9	40.0	38.6	41.5	16.3	31.1	29.7	31.1	19.3
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°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2.5°	2677.0	2671.0	2654.7	2636.9	2616.2	2604.3	2596.9	2595.4	2585.0	2577.6	2585.0
5°	2721.5	2715.5	2684.4	2647.3	2607.3	2576.1	2546.5	2519.8	2481.2	2473.8	2470.8
7.5°	2810.5	2794.1	2743.7	2693.3	2617.7	2527.2	2417.4	2291.4	2178.7	2144.5	2128.2
10°	2920.2	2898.0	2834.2	2745.2	2577.6	2331.4	2065.9	1819.8	1624.0	1569.1	1548.3
12.5°	3044.8	3025.5	2941.0	2776.3	2410.0	1963.6	1557.2	1251.7	1061.9	1014.4	1001.1
15°	3193.1	3164.9	3047.8	2728.9	2110.4	1492.0	1069.3	888.4	820.1	811.3	802.4
17.5°	3350.3	3304.3	3142.7	2558.3	1707.0	1060.4	826.1	774.2	744.5	735.6	731.2
20°	3494.2	3434.8	3199.0	2300.3	1275.5	826.1	740.1	706.0	679.3	668.9	662.9
22.5°	3638.0	3553.5	3199.0	1948.8	956.6	732.6	679.3	648.1	617.0	603.6	596.2
25°	3787.8	3675.1	3142.7	1557.2	769.7	671.8	621.4	587.3	560.6	544.3	538.4
27.5°	3933.2	3777.4	3013.6	1186.5	685.2	618.4	568.0	535.4	510.2	498.3	498.3
30°	4071.1	3878.3	2832.7	900.2	630.3	566.5	519.1	490.9	465.7	453.8	455.3
32.5°	4258.0	4005.8	2639.9	738.6	582.9	517.6	474.6	447.9	425.6	416.7	416.7
35°	4517.5	4194.2	2473.8	725.2	542.8	477.6	434.5	409.3	387.1	379.7	379.7
37.5°	4885.3	4498.2	2386.3	814.2	510.2	442.0	401.9	375.2	354.5	348.5	347.0
40°	5339.1	4910.5	2433.8	903.2	487.9	410.8	372.3	345.6	327.8	320.3	318.9
42.5°	5877.5	5419.2	2696.3	971.4	473.1	384.1	344.1	314.4	302.6	299.6	299.6
45°	6495.9	5978.3	3098.2	1044.1	449.4	358.9	315.9	293.7	284.8	283.3	281.8
47.5°	7198.9	6592.3	3563.9	1134.6	425.6	335.2	293.7	278.8	271.4	268.4	268.4
50°	7896.0	7210.8	4042.9	1185.0	406.4	312.9	275.9	264.0	258.1	256.6	256.6
52.5°	8625.7	7847.0	4430.0	1137.5	390.1	295.1	261.0	252.1	246.2	244.7	244.7
55°	9321.2	8361.7	4496.7	965.5	357.4	277.3	244.7	240.3	232.8	232.8	231.4
57.5°	9920.4	8619.7	4025.1	708.9	324.8	250.6	228.4	223.9	218.0	216.5	215.0
60°	10470.6	8545.6	3107.1	477.6	289.2	223.9	207.6	204.7	198.7	191.3	189.8
62.5°	10780.6	8219.3	2125.3	311.4	253.6	195.8	183.9	182.4	169.1	154.2	151.3
65°	10897.7	7548.9	1325.9	226.9	212.1	167.6	158.7	155.7	136.4	120.1	118.6
67.5°	10795.4	6445.5	668.9	179.5	167.6	139.4	130.5	130.5	117.2	102.3	100.9
70°	10386.1	4831.9	281.8	143.9	129.0	106.8	106.8	112.7	99.4	83.1	81.6
72.5°	9497.7	3250.9	149.8	109.7	96.4	75.6	87.5	92.0	78.6	62.3	62.3
75°	7550.4	1982.9	103.8	81.6	60.8	53.4	66.7	69.7	53.4	41.5	40.0
77.5°	5164.1	1139.0	69.7	51.9	38.6	31.1	46.0	43.0	28.2	19.3	20.8
80°	2267.6	474.6	40.0	23.7	14.8	11.9	16.3	11.9	8.9	5.9	5.9
82.5°	265.5	111.2	14.8	8.9	5.9	3.0	1.5	0.0	0.0	0.0	0.0
85°	54.9	13.3	7.4	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.4	3.0	1.5	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)