

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: P952345

Luminaire Tested: **GALN-SB6B-722-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952345  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
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-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

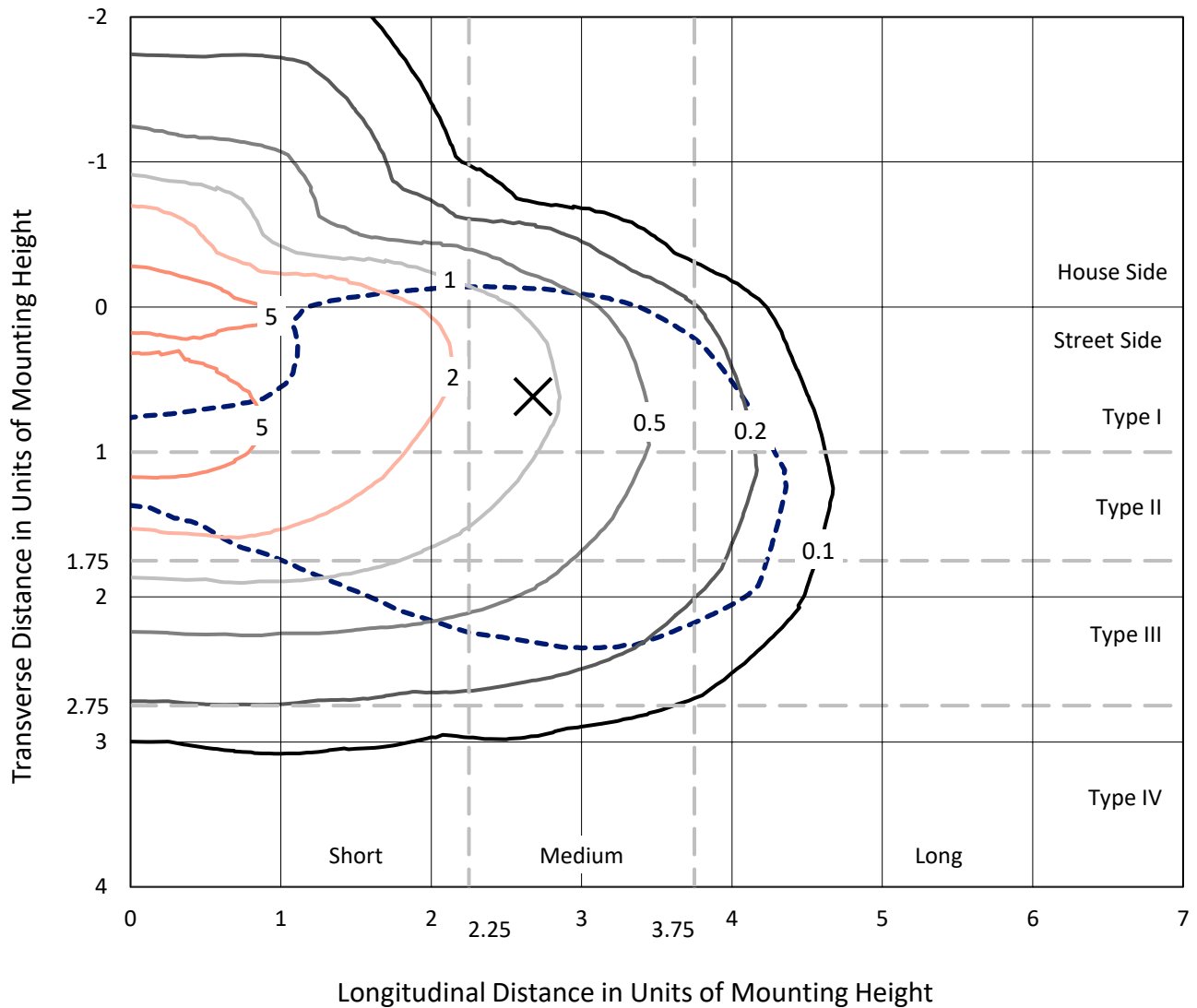
Lumens per Lamp: N/A  
Luminaire Lumens: 28959 lumens  
Efficiency: N/A  
Efficacy: 131.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): 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

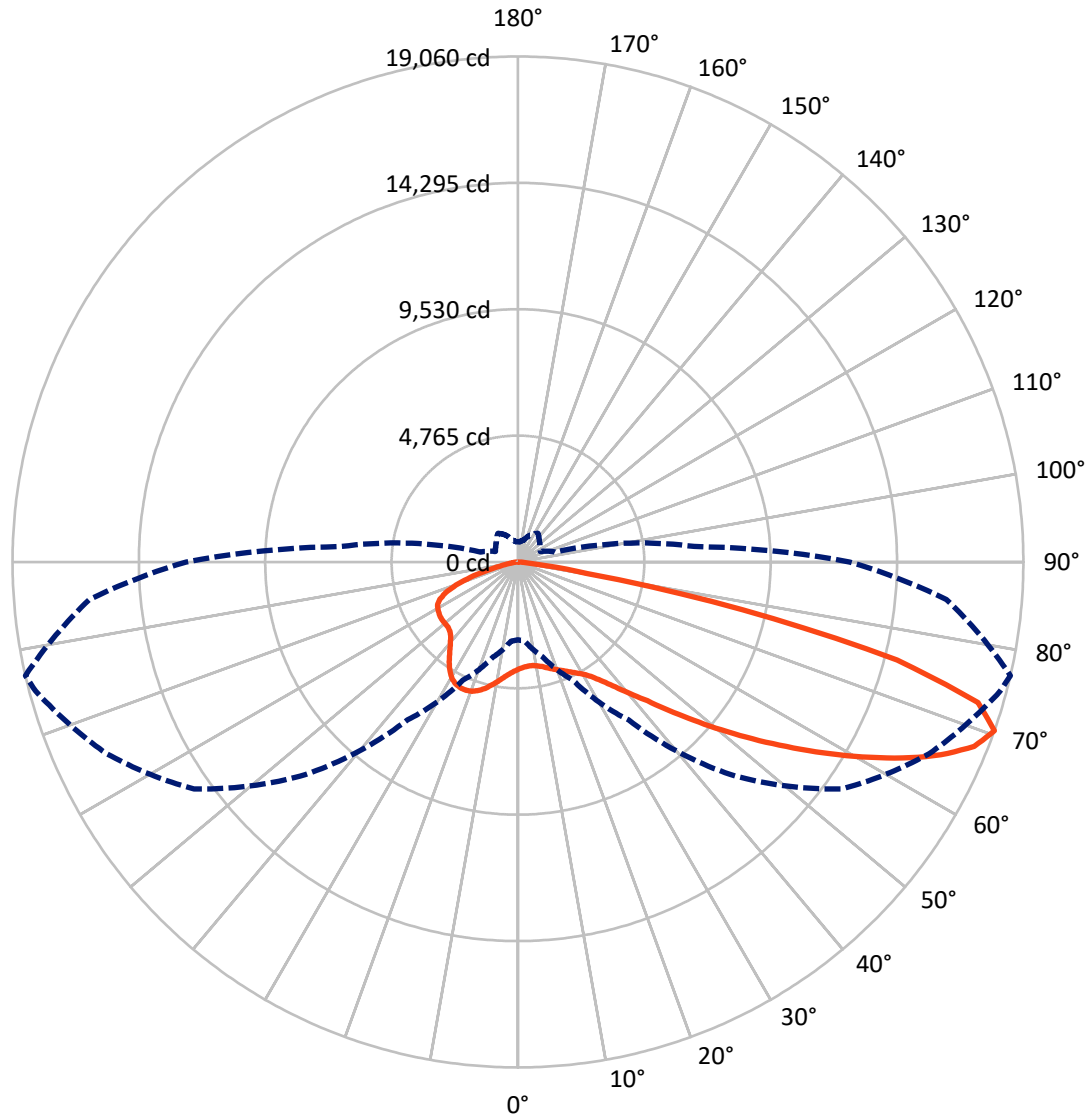
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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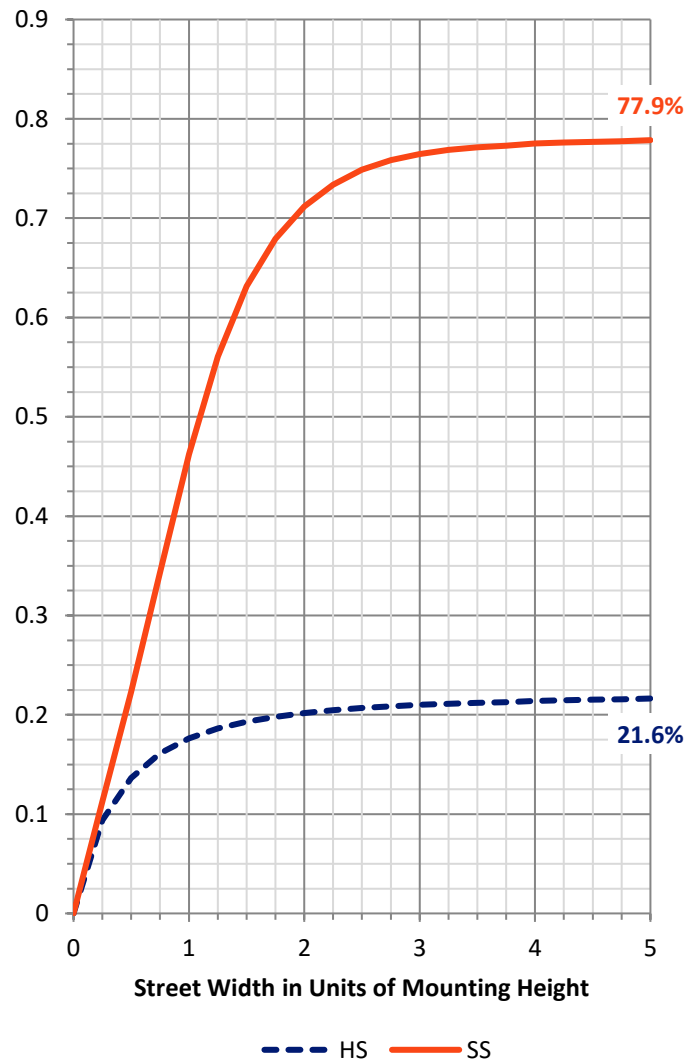
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6341.6	0.0	6341.6
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	22617.4	0.0	22617.4
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	28959.0	0.0	28959.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.3	1.3
10°-20°	1112.0	3.8
20°-30°	1901.8	6.6
30°-40°	3058.2	10.6
40°-50°	4774.7	16.5
50°-60°	6377.8	22.0
60°-70°	6797.8	23.5
70°-80°	4184.7	14.5
80°-90°	366.7	1.3
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°	28959.0	100.0
0°-180°	28959.0	100.0



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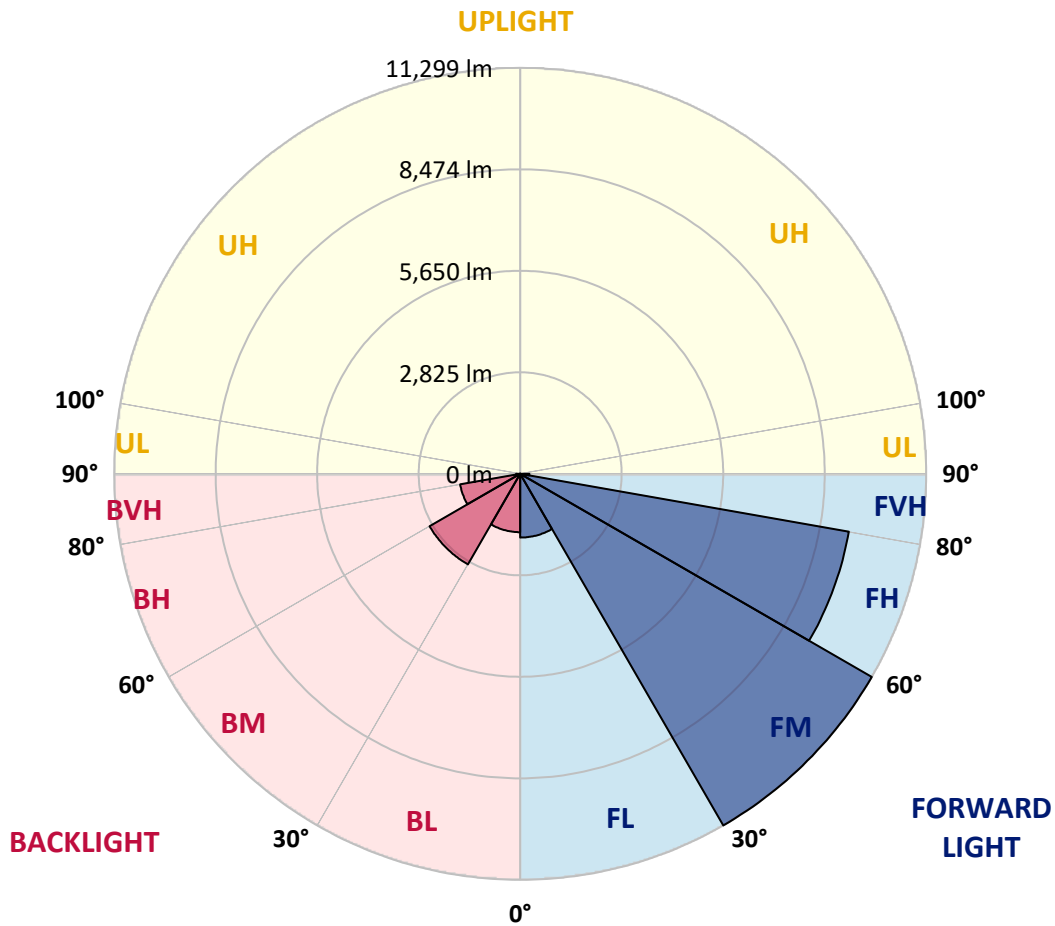
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1774.2	6.1			
FM (30°-60°)	11299.2	39.0			
FH (60°-80°)	9287.6	32.1			G4/12000
FVH (80°-90°)	256.4	0.9			G3/500
BL (0°-30°)	1624.9	5.6	B3/2500		
BM (30°-60°)	2911.6	10.1	B3/5000		
BH (60°-80°)	1694.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	110.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0
2.5°	3724.1	3722.7	3741.9	3747.9	3783.5	3808.7	3856.1	3906.6	3971.8	3979.2	4019.3
5°	3509.1	3509.1	3531.3	3555.1	3601.0	3651.5	3724.1	3811.6	3924.4	3942.2	4041.5
7.5°	3326.7	3338.5	3357.8	3403.8	3457.2	3529.8	3641.1	3765.7	3914.0	3942.2	4102.3
10°	3179.8	3193.2	3216.9	3254.0	3334.1	3434.9	3580.3	3740.5	3939.2	3983.7	4191.3
12.5°	3133.9	3147.2	3160.5	3188.7	3262.9	3381.5	3555.1	3752.3	4000.0	4044.5	4312.9
15°	3240.6	3257.0	3246.6	3239.2	3277.7	3386.0	3566.9	3795.3	4075.6	4139.4	4462.7
17.5°	3486.8	3492.8	3469.0	3399.3	3393.4	3451.2	3623.3	3854.7	4170.6	4240.3	4614.0
20°	3884.3	3873.9	3825.0	3687.1	3608.5	3596.6	3719.7	3943.6	4268.4	4342.6	4777.2
22.5°	4424.2	4412.3	4314.4	4096.4	3921.4	3805.7	3859.1	4059.3	4378.2	4461.3	4935.9
25°	5097.5	5081.2	4937.3	4640.7	4369.3	4083.1	4048.9	4212.1	4513.2	4590.3	5102.0
27.5°	5883.6	5870.2	5714.5	5323.0	4931.4	4462.7	4284.8	4391.5	4654.1	4741.6	5288.8
30°	6729.0	6767.5	6491.7	6070.4	5575.1	4958.1	4602.2	4612.5	4836.5	4915.1	5515.8
32.5°	7722.7	7789.4	7457.2	6923.2	6246.9	5496.5	5002.6	4921.0	5102.0	5167.2	5802.0
35°	8707.5	8783.1	8507.2	7916.9	7138.3	6131.3	5420.8	5275.5	5455.0	5526.1	6181.7
37.5°	9558.8	9659.6	9517.2	9004.1	8092.0	6896.6	5966.6	5692.3	5889.5	5978.5	6691.9
40°	10230.6	10384.9	10374.5	10054.1	9216.2	7825.0	6659.3	6206.9	6429.4	6525.8	7310.3
42.5°	10776.4	10909.9	11025.6	11009.3	10389.3	8879.5	7473.5	6875.8	7044.9	7156.1	8005.9
45°	11153.1	11295.5	11544.7	11813.1	11518.0	10008.2	8406.4	7669.3	7823.5	7991.1	8835.0
47.5°	11489.8	11651.5	11974.8	12400.4	12476.1	11141.3	9428.3	8593.3	8734.1	8907.7	9667.0
50°	11519.5	11658.9	12160.2	12763.8	13156.8	12229.9	10525.8	9630.0	9762.0	9947.3	10558.4
52.5°	10803.1	11022.6	11897.7	12753.4	13469.8	13140.5	11615.9	10708.2	10856.5	11079.0	11480.9
55°	8385.6	8707.5	11127.9	12356.0	13358.5	13729.3	12652.6	11854.7	12044.5	12277.3	12409.3
57.5°	7222.8	7363.7	8833.5	11632.2	12851.3	13882.1	13527.6	13013.0	13318.5	13573.6	13391.2
60°	6491.7	6608.8	7477.9	10506.5	12183.9	13640.3	14203.9	14092.7	14620.7	14924.7	14395.3
62.5°	5708.6	5819.8	6610.3	8772.7	11329.6	13238.4	14631.1	15089.4	15955.5	16287.7	15341.5
65°	4931.4	5026.3	5784.2	7371.2	10244.0	12836.5	14852.1	15951.1	17191.0	17535.0	16127.5
67.5°	4065.3	4143.9	4860.2	6218.8	8924.0	12286.2	14961.8	16628.8	18266.2	18561.4	16516.1
70°	2933.6	2994.4	3734.5	4918.1	7267.3	11340.0	14917.3	17109.4	18823.9	19059.7	16222.5
72.5°	1386.7	1441.6	2310.7	3193.2	5133.1	9498.0	14017.1	16728.2	18257.3	18140.2	14424.9
75°	740.1	787.5	1327.4	1751.6	2711.2	6510.9	11470.5	14410.1	15331.1	14761.6	10660.7
77.5°	501.3	538.4	821.7	1051.5	1238.4	3090.8	7372.6	9977.0	9598.8	8658.5	5339.3
80°	397.5	436.0	673.3	711.9	599.2	1116.8	3046.3	4618.5	3317.8	2653.3	1518.7
82.5°	305.5	348.5	566.6	516.1	326.3	458.3	886.9	1460.9	849.8	646.6	367.8
85°	186.9	232.9	444.9	329.3	183.9	209.1	301.1	406.4	259.5	216.5	132.0
87.5°	94.9	133.5	225.4	120.1	83.1	48.9	80.1	80.1	68.2	59.3	34.1
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°	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0	4040.0
2.5°	4054.9	4084.5	4135.0	4182.4	4219.5	4255.1	4290.7	4310.0	4315.9	4339.6	4353.0
5°	4102.3	4157.2	4255.1	4347.1	4404.9	4440.5	4465.7	4480.5	4483.5	4490.9	4502.8
7.5°	4189.8	4277.3	4413.8	4505.7	4548.8	4545.8	4535.4	4498.3	4483.5	4470.2	4473.1
10°	4312.9	4428.6	4596.2	4660.0	4633.3	4562.1	4470.2	4361.9	4311.5	4262.5	4247.7
12.5°	4465.7	4612.5	4777.2	4774.2	4642.2	4459.8	4246.2	4080.1	3974.8	3899.1	3881.3
15°	4651.1	4820.2	4946.2	4845.4	4556.2	4228.4	3915.5	3698.9	3604.0	3520.9	3512.1
17.5°	4842.4	5023.4	5081.2	4823.1	4339.6	3885.8	3531.3	3360.8	3267.3	3222.8	3236.2
20°	5029.3	5208.8	5161.3	4695.6	4010.4	3497.2	3181.3	3087.9	3068.6	3079.0	3074.5
22.5°	5226.5	5386.7	5177.6	4449.4	3590.7	3099.7	2926.2	2929.2	2972.2	3003.3	3010.8
25°	5428.3	5536.5	5134.6	4093.4	3139.8	2807.6	2764.6	2812.0	2896.6	2957.4	2973.7
27.5°	5622.5	5670.0	5041.2	3652.9	2752.7	2598.4	2605.9	2703.7	2831.3	2915.8	2936.6
30°	5842.0	5788.7	4861.7	3157.6	2484.2	2419.0	2481.3	2595.5	2723.0	2798.7	2816.5
32.5°	6089.7	5891.0	4576.9	2699.3	2294.4	2275.1	2377.5	2451.6	2508.0	2530.2	2542.1
35°	6398.2	6034.9	4212.1	2377.5	2123.8	2169.8	2267.7	2230.6	2208.4	2196.5	2208.4
37.5°	6798.7	6229.1	3784.9	2168.3	1985.9	2094.2	2134.2	2018.5	1931.0	1888.0	1898.4
40°	7280.7	6513.9	3374.1	2006.7	1898.4	2028.9	1959.2	1819.8	1708.6	1647.8	1652.2
42.5°	7816.1	6812.0	3028.6	1885.1	1849.5	1975.5	1830.2	1664.1	1484.6	1465.3	1484.6
45°	8378.2	7119.0	2792.7	1791.6	1825.7	1929.6	1756.0	1487.6	1360.0	1438.6	1480.2
47.5°	8940.3	7400.8	2650.4	1721.9	1813.9	1877.6	1690.8	1389.7	1299.2	1413.4	1466.8
50°	9566.2	7652.9	2586.6	1671.5	1800.5	1856.9	1592.9	1364.5	1235.4	1311.1	1367.4
52.5°	10187.6	7848.7	2539.1	1621.1	1781.2	1840.6	1545.4	1334.8	1158.3	1162.8	1193.9
55°	10807.6	7976.3	2487.2	1554.3	1738.2	1805.0	1541.0	1302.2	1100.5	1079.7	1094.5
57.5°	11469.0	8048.9	2423.4	1480.2	1664.1	1714.5	1536.5	1277.0	1082.7	1048.6	1053.0
60°	12142.4	8155.7	2340.4	1389.7	1564.7	1606.2	1526.1	1268.1	1072.3	1014.5	1018.9
62.5°	12746.0	8192.8	2241.0	1303.7	1437.2	1499.4	1503.9	1260.7	1044.1	944.8	944.8
65°	13142.0	8032.6	2067.5	1205.8	1299.2	1389.7	1460.9	1235.4	993.7	894.3	894.3
67.5°	13125.7	7575.8	1796.1	1079.7	1165.7	1268.1	1398.6	1192.4	932.9	832.0	836.5
70°	12514.6	6674.1	1452.0	932.9	1018.9	1137.6	1318.5	1128.7	860.2	763.8	772.7
72.5°	10733.4	5223.6	1054.5	760.8	848.4	1002.6	1214.7	1051.5	786.1	703.0	698.6
75°	7667.8	3305.9	714.9	584.4	660.0	849.8	1085.7	961.1	717.8	706.0	665.9
77.5°	3916.9	1579.5	473.1	427.1	459.8	670.4	912.1	858.7	728.2	582.9	519.1
80°	1274.0	582.9	298.1	290.7	305.5	446.4	706.0	704.5	551.7	396.0	350.0
82.5°	406.4	250.6	194.3	186.9	179.5	280.3	492.4	557.7	372.3	250.6	249.2
85°	161.7	149.8	114.2	105.3	75.6	132.0	258.1	370.8	277.3	180.9	185.4
87.5°	59.3	59.3	31.1	22.2	16.3	44.5	69.7	111.2	158.7	93.4	92.0
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)