

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: P940415

Luminaire Tested: **GALN-SB3C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18392 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1
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

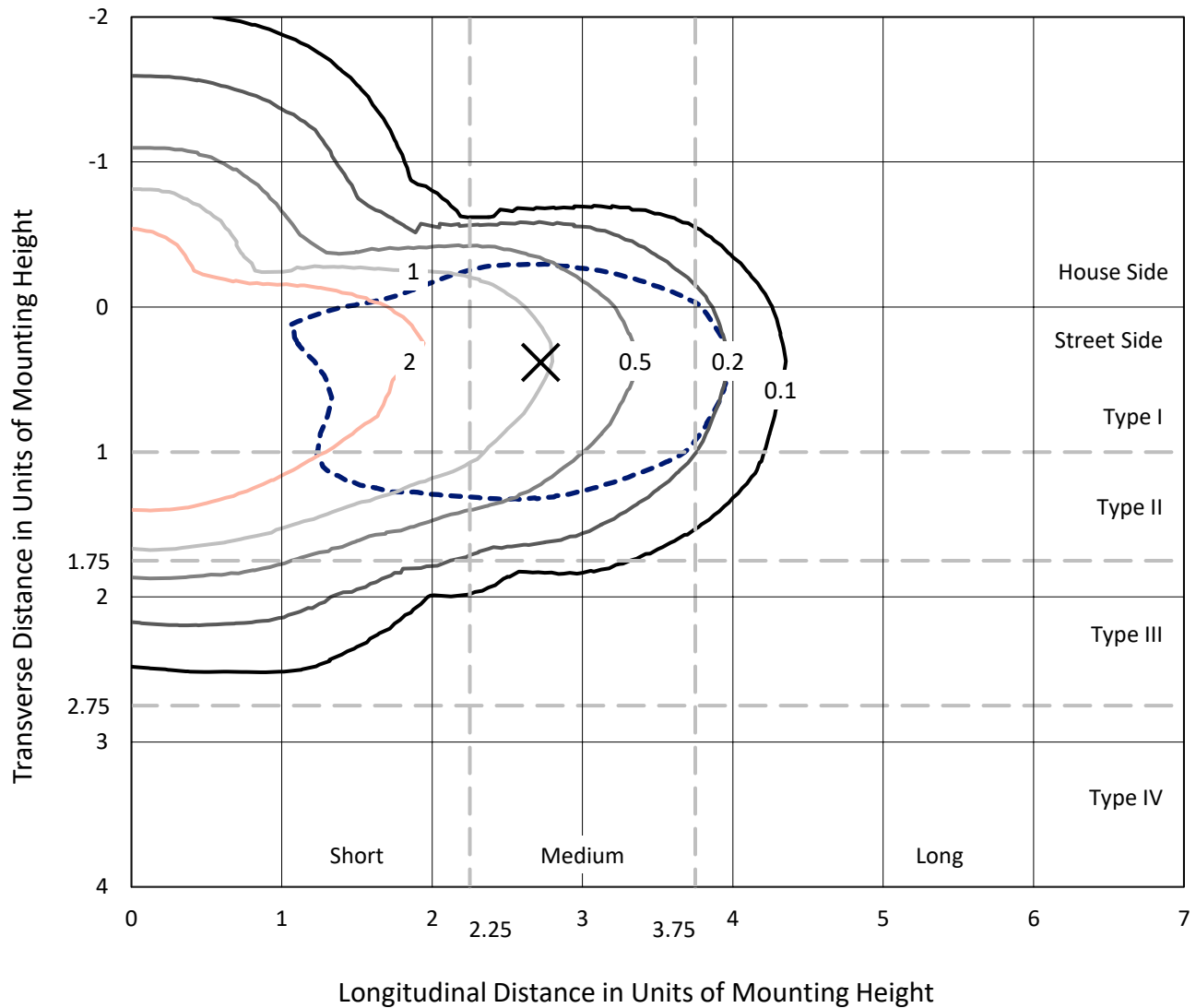


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

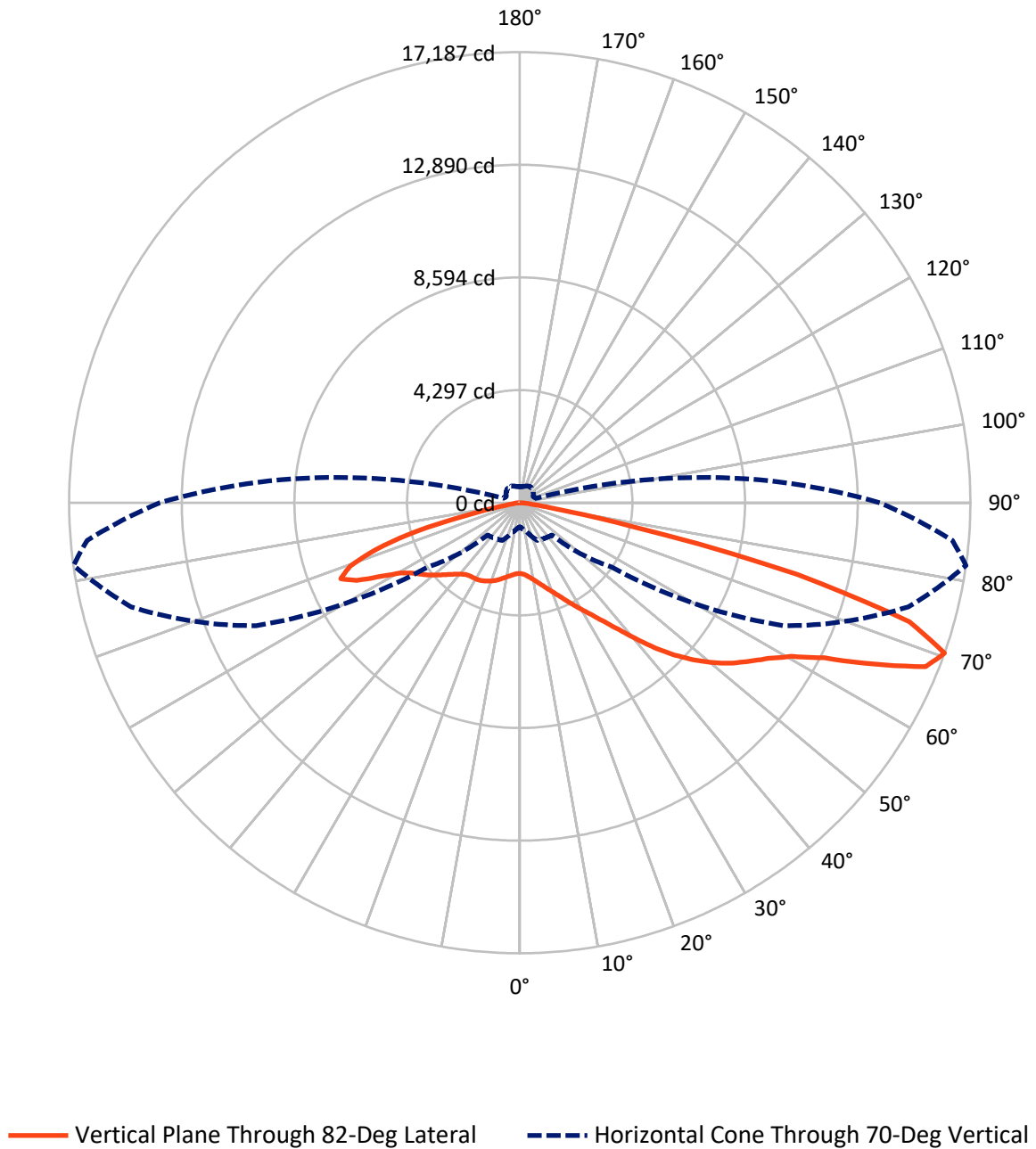


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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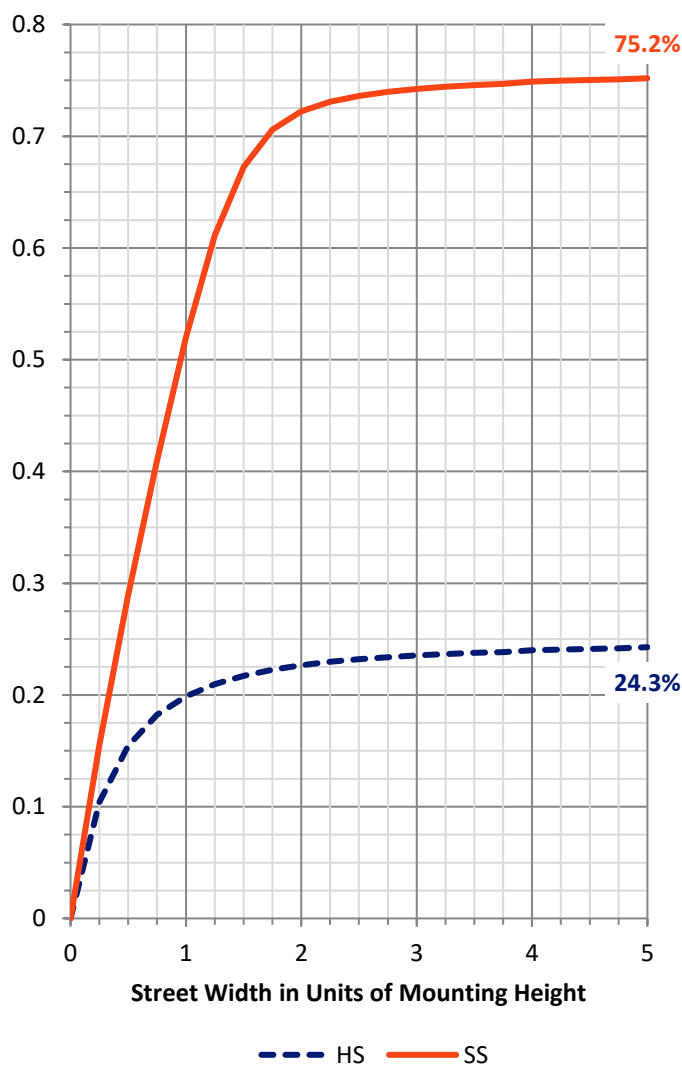
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4534.1	0.0	4534.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13857.9	0.0	13857.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	18392.0	0.0	18392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	1.4
10°-20°	731.5	4.0
20°-30°	1223.7	6.7
30°-40°	1911.7	10.4
40°-50°	3044.6	16.6
50°-60°	4236.9	23.0
60°-70°	4432.0	24.1
70°-80°	2316.4	12.6
80°-90°	240.5	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°	18392.0	100.0
0°-180°	18392.0	100.0

Coefficient of Utilization



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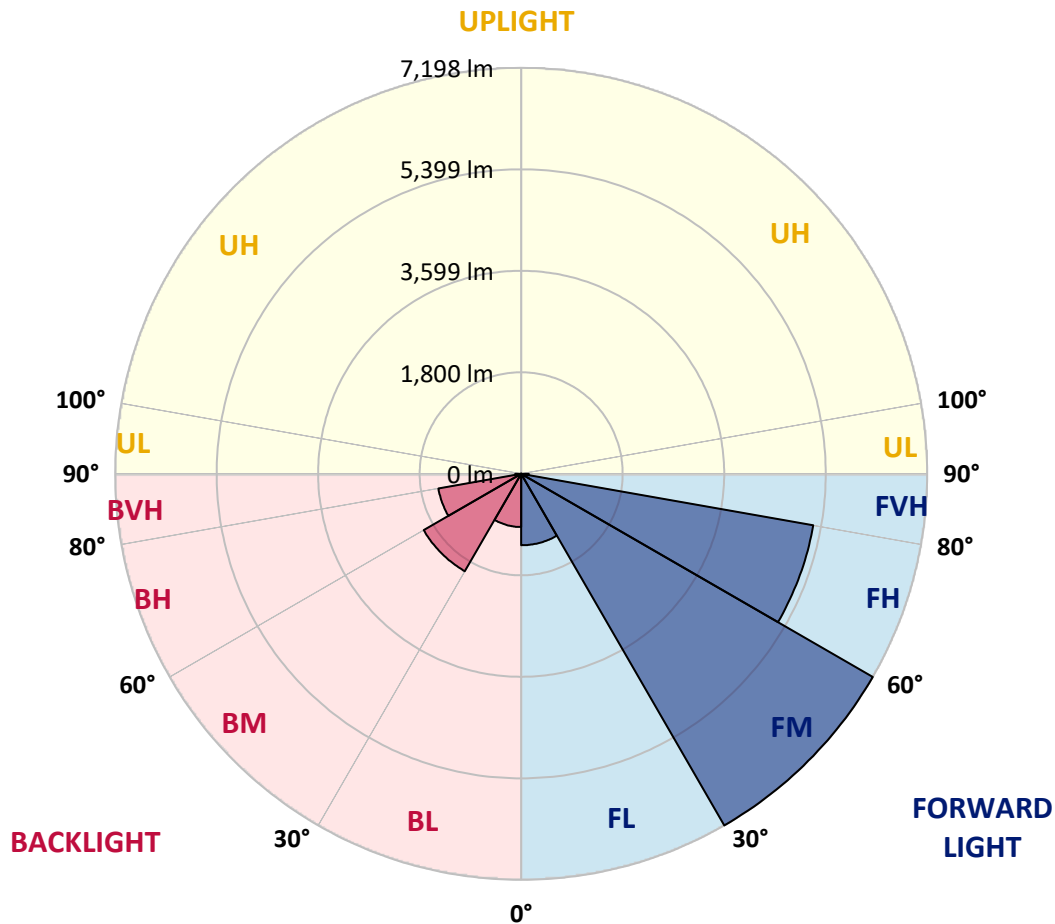
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1266.5	6.9			
FM	(30°-60°)	7198.4	39.1			
FH	(60°-80°)	5258.3	28.6			G3/7500
FVH	(80°-90°)	134.7	0.7			G2/225
BL	(0°-30°)	943.3	5.1	B2/1000		
BM	(30°-60°)	1994.8	10.8	B2/2500		
BH	(60°-80°)	1490.1	8.1	B3/2500		G3/2500
BVH	(80°-90°)	105.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5
2.5°	2760.9	2776.5	2771.6	2766.8	2766.8	2759.9	2759.0	2749.2	2741.4	2728.7	2725.8
5°	2796.0	2812.6	2810.7	2814.6	2827.3	2830.2	2833.1	2827.3	2811.7	2796.0	2789.2
7.5°	2764.8	2783.4	2789.2	2812.6	2851.7	2886.8	2913.2	2923.9	2909.3	2886.8	2876.1
10°	2659.4	2679.9	2700.4	2756.0	2825.3	2908.3	2978.5	3020.5	3017.6	2996.1	2977.6
12.5°	2445.7	2467.2	2511.1	2619.4	2746.3	2892.7	3023.4	3111.3	3141.5	3125.9	3093.7
15°	2274.9	2293.4	2326.6	2437.9	2602.8	2825.3	3040.0	3210.8	3287.9	3279.1	3240.1
17.5°	2270.0	2277.8	2298.3	2351.0	2477.9	2719.9	3022.5	3308.4	3455.8	3454.8	3406.0
20°	2355.9	2358.8	2370.5	2381.3	2453.5	2639.9	2977.6	3389.4	3644.1	3644.1	3591.4
22.5°	2475.0	2473.0	2484.7	2475.0	2510.1	2633.1	2949.3	3460.7	3854.0	3869.6	3803.2
25°	2653.6	2643.8	2640.9	2618.4	2625.3	2696.5	2980.5	3541.7	4102.8	4135.0	4052.1
27.5°	2891.7	2876.1	2865.3	2813.6	2796.0	2827.3	3076.1	3639.2	4380.0	4435.6	4330.2
30°	3202.0	3173.7	3158.1	3068.3	3004.9	3009.8	3220.6	3769.0	4669.8	4759.6	4625.9
32.5°	3625.6	3581.7	3539.7	3392.3	3276.2	3238.1	3407.0	3948.6	4984.1	5127.5	4955.8
35°	4099.9	4064.8	4019.9	3792.5	3613.9	3526.0	3658.8	4199.4	5352.0	5579.4	5355.9
37.5°	4556.6	4526.4	4547.8	4241.4	4011.1	3883.2	3988.6	4536.1	5805.8	6141.5	5857.5
40°	5029.0	5005.5	5008.5	4715.7	4447.3	4303.9	4388.8	4958.7	6326.0	6810.0	6460.7
42.5°	5542.3	5524.7	5466.2	5206.6	4905.0	4771.3	4849.4	5446.7	6884.2	7571.3	7122.3
45°	6117.1	6106.4	6051.7	5754.1	5408.6	5258.3	5363.7	5985.4	7445.4	8287.6	7787.0
47.5°	6613.9	6622.7	6615.8	6365.0	6006.9	5786.3	5912.2	6547.5	7967.5	8961.0	8424.2
50°	6853.0	6898.9	6966.2	6888.1	6665.6	6441.1	6465.5	7090.1	8465.2	9592.4	9035.2
52.5°	6728.1	6814.9	6998.4	7123.3	7209.2	7162.4	7097.0	7628.9	8933.7	10162.4	9612.9
55°	6262.5	6384.5	6689.0	6990.6	7428.8	7769.4	7855.3	8226.1	9390.4	10664.0	10159.4
57.5°	5414.5	5612.6	5885.8	6495.8	7233.6	8063.1	8739.5	9054.7	9874.5	11199.8	10731.3
60°	3960.3	4225.8	4565.4	5473.0	6550.4	7906.0	9491.9	10327.3	10562.5	11893.7	11476.0
62.5°	2534.5	2698.4	3010.7	3865.7	5104.1	7100.9	9722.2	11918.1	11728.7	13031.6	12592.4
65°	1735.2	1840.6	2126.6	2606.7	3299.6	5285.6	9105.4	13110.7	13581.1	14835.1	14501.4
67.5°	1260.9	1340.9	1584.9	2005.5	2150.0	3127.9	7065.7	13056.0	15381.6	16693.3	16174.1
70°	919.3	975.9	1180.9	1584.9	1654.2	1740.1	4280.4	11098.3	15342.6	17187.1	16565.5
72.5°	681.2	720.2	857.8	1229.7	1339.0	1175.0	2118.7	8066.1	13183.9	15545.6	15046.9
75°	492.8	522.1	623.6	940.8	1071.6	894.9	1056.9	4713.7	9196.2	10935.3	11023.1
77.5°	376.7	399.2	465.5	689.0	857.8	671.4	655.8	2168.5	4360.5	4381.9	4627.9
80°	302.5	317.2	353.3	485.0	657.8	502.6	427.5	875.4	1378.0	1166.2	1223.8
82.5°	222.5	246.9	298.6	340.6	470.4	346.5	260.6	442.1	524.1	450.9	454.8
85°	126.9	143.5	180.5	244.0	300.6	211.8	149.3	196.2	244.0	200.1	178.6
87.5°	44.9	58.6	63.4	95.6	130.8	87.8	57.6	56.6	80.0	59.5	49.8
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°	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5	2696.5
2.5°	2716.0	2711.1	2691.6	2665.3	2637.9	2611.6	2602.8	2584.3	2571.6	2564.7	2572.6
5°	2770.7	2755.1	2709.2	2650.6	2589.1	2522.8	2475.9	2433.0	2401.8	2372.5	2384.2
7.5°	2848.7	2821.4	2742.4	2639.9	2530.6	2420.3	2338.3	2275.9	2233.9	2206.6	2212.4
10°	2939.5	2897.5	2776.5	2623.3	2454.5	2296.4	2199.7	2146.1	2119.7	2105.1	2109.0
12.5°	3043.9	2984.4	2811.7	2585.2	2338.3	2157.8	2091.4	2075.8	2076.8	2077.8	2079.7
15°	3172.8	3089.8	2840.0	2502.3	2187.1	2051.4	2039.7	2065.1	2091.4	2104.1	2103.1
17.5°	3318.2	3201.1	2844.8	2365.7	2038.7	1983.1	2020.2	2074.8	2114.8	2132.4	2136.3
20°	3474.3	3314.3	2809.7	2172.4	1916.7	1927.5	1993.8	2064.1	2108.0	2130.5	2136.3
22.5°	3652.9	3435.3	2725.8	1969.4	1817.2	1867.0	1945.0	2013.3	2059.2	2081.7	2087.5
25°	3856.9	3570.9	2594.0	1798.6	1731.3	1798.6	1876.7	1933.3	1970.4	1990.9	1996.8
27.5°	4083.3	3712.4	2418.4	1663.0	1656.2	1728.4	1792.8	1836.7	1856.2	1871.8	1877.7
30°	4310.7	3841.3	2205.6	1560.5	1590.8	1659.1	1705.0	1724.5	1730.3	1733.3	1740.1
32.5°	4556.6	3952.5	1982.1	1475.6	1528.3	1591.7	1619.1	1627.9	1600.5	1582.0	1587.8
35°	4854.3	4071.6	1763.5	1408.3	1466.8	1521.5	1530.3	1522.5	1490.2	1452.2	1454.1
37.5°	5222.2	4219.9	1588.8	1360.4	1409.2	1445.4	1434.6	1432.7	1435.6	1390.7	1393.6
40°	5673.1	4413.2	1461.0	1323.4	1362.4	1370.2	1340.0	1356.5	1371.2	1302.9	1304.8
42.5°	6173.7	4646.4	1380.0	1298.0	1323.4	1304.8	1258.0	1276.5	1274.6	1184.8	1183.8
45°	6684.2	4900.1	1351.7	1279.4	1287.3	1250.2	1198.4	1203.3	1162.3	1081.3	1084.3
47.5°	7191.6	5172.4	1369.2	1263.8	1242.4	1200.4	1160.4	1138.9	1078.4	1017.9	1017.9
50°	7689.4	5458.4	1433.6	1232.6	1180.9	1156.5	1127.2	1089.1	1024.7	973.0	969.1
52.5°	8151.0	5746.3	1505.9	1180.9	1103.8	1118.4	1099.9	1056.0	992.5	939.8	940.8
55°	8588.2	6034.2	1534.2	1109.6	1031.6	1085.2	1074.5	993.5	917.4	874.4	870.5
57.5°	9064.4	6380.6	1502.9	1018.9	973.0	1047.2	1006.2	916.4	872.5	840.3	837.3
60°	9724.2	6924.2	1435.6	906.6	917.4	990.6	920.3	883.2	835.4	799.3	797.3
62.5°	10820.1	7938.2	1327.3	795.4	852.0	906.6	879.3	842.2	793.4	758.3	758.3
65°	12440.2	9347.5	1123.3	708.5	778.8	824.7	835.4	798.3	747.6	710.5	712.4
67.5°	13806.5	10231.7	850.0	636.3	703.6	758.3	788.6	752.4	698.8	662.7	663.6
70°	13731.3	9589.5	649.0	565.1	637.3	692.9	731.9	703.6	646.1	611.9	614.8
72.5°	12196.2	8022.2	525.1	492.8	569.9	624.6	671.4	650.0	591.4	558.2	558.2
75°	8960.0	5694.6	419.7	419.7	486.0	553.4	605.1	591.4	537.7	514.3	507.5
77.5°	3776.9	2389.1	328.9	348.4	404.0	475.3	539.7	544.6	497.7	527.0	478.2
80°	1004.2	658.8	250.8	274.2	317.2	392.3	469.4	467.5	416.7	389.4	362.1
82.5°	382.6	259.6	178.6	193.2	229.3	300.6	371.8	383.5	332.8	287.9	287.9
85°	147.4	111.3	110.3	116.1	133.7	199.1	281.1	290.8	250.8	212.8	219.6
87.5°	38.1	33.2	41.0	39.0	61.5	106.4	161.0	166.9	153.2	88.8	126.9
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)