

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: P940925

Luminaire Tested: **GALN-SB4B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940925
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-SB4B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18472 lumens
Efficiency: N/A
Efficacy: 125.7 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): 147
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

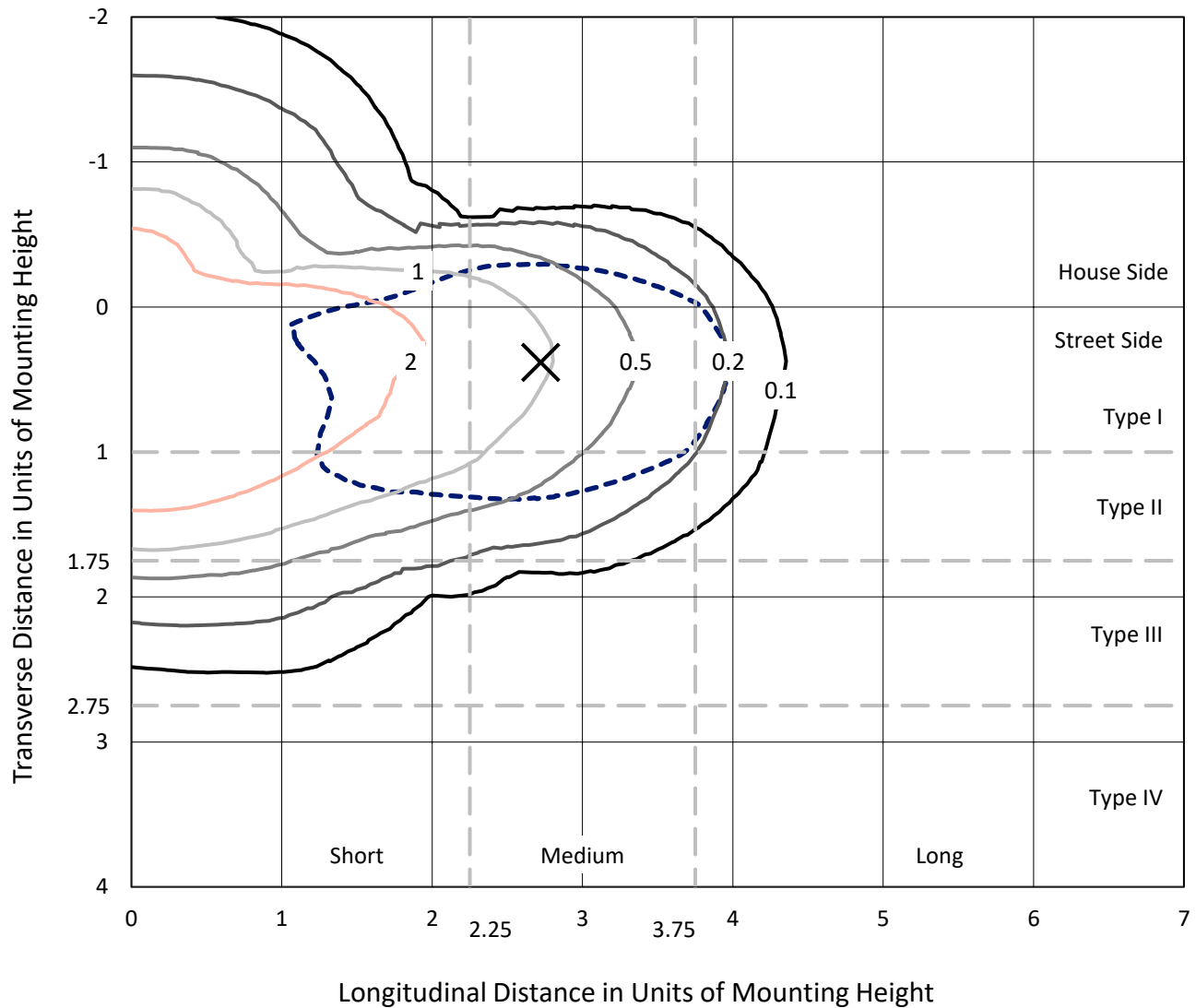


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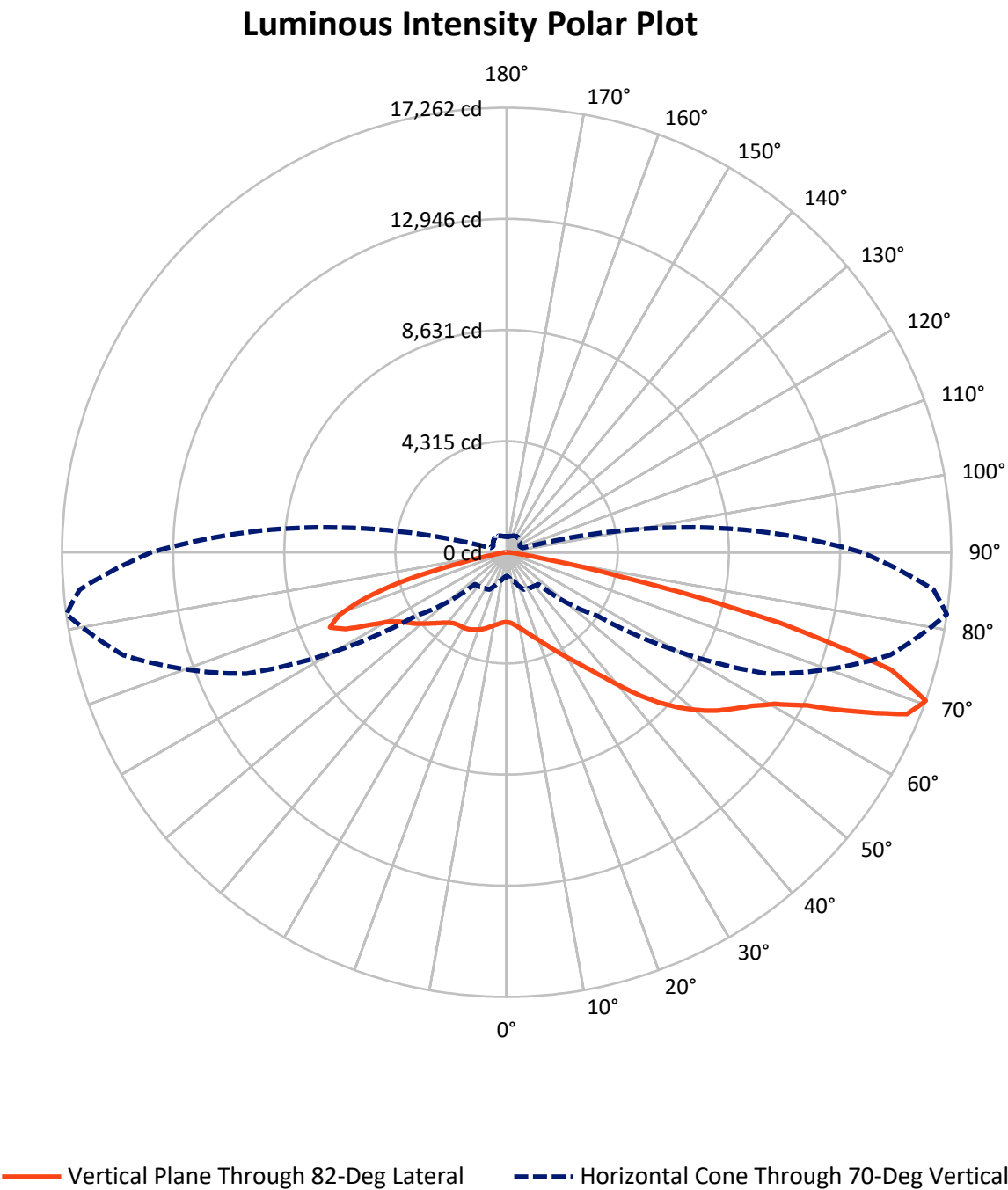
Iso-Footcandle Lines of Horizontal Illumination

✕ 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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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4553.8	0.0	4553.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13918.2	0.0	13918.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	18472.0	0.0	18472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.7	1.4
10°-20°	734.7	4.0
20°-30°	1229.0	6.7
30°-40°	1920.0	10.4
40°-50°	3057.9	16.6
50°-60°	4255.4	23.0
60°-70°	4451.3	24.1
70°-80°	2326.5	12.6
80°-90°	241.6	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°	18472.0	100.0
0°-180°	18472.0	100.0

Coefficient of Utilization



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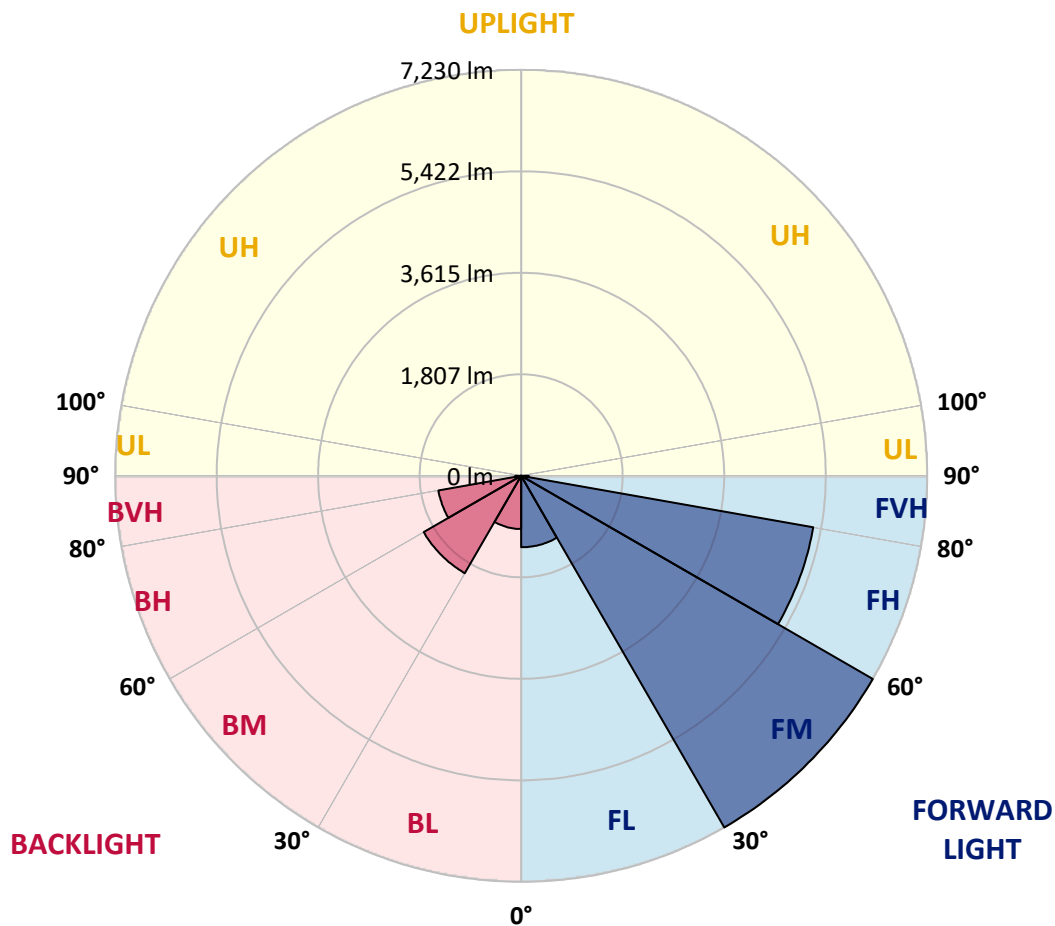
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1272.0	6.9			
FM	(30°-60°)	7229.8	39.1			
FH	(60°-80°)	5281.2	28.6			G3/7500
FVH	(80°-90°)	135.2	0.7			G2/225
BL	(0°-30°)	947.4	5.1	B2/1000		
BM	(30°-60°)	2003.5	10.8	B2/2500		
BH	(60°-80°)	1496.6	8.1	B3/2500		G3/2500
BVH	(80°-90°)	106.3	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°	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2
2.5°	2772.9	2788.6	2783.7	2778.8	2778.8	2771.9	2771.0	2761.2	2753.3	2740.6	2737.6
5°	2808.2	2824.9	2822.9	2826.8	2839.6	2842.5	2845.5	2839.6	2823.9	2808.2	2801.3
7.5°	2776.8	2795.5	2801.3	2824.9	2864.1	2899.4	2925.8	2936.6	2921.9	2899.4	2888.6
10°	2671.0	2691.6	2712.1	2768.0	2837.6	2920.9	2991.5	3033.6	3030.7	3009.1	2990.5
12.5°	2456.3	2477.9	2522.0	2630.8	2758.2	2905.2	3036.6	3124.8	3155.2	3139.5	3107.2
15°	2284.8	2303.4	2336.7	2448.5	2614.1	2837.6	3053.2	3224.8	3302.2	3293.4	3254.2
17.5°	2279.9	2287.7	2308.3	2361.2	2488.7	2731.8	3035.6	3322.8	3470.8	3469.8	3420.8
20°	2366.1	2369.1	2380.8	2391.6	2464.2	2651.4	2990.5	3404.2	3660.0	3660.0	3607.0
22.5°	2485.7	2483.8	2495.5	2485.7	2521.0	2644.5	2962.1	3475.7	3870.7	3886.4	3819.7
25°	2665.1	2655.3	2652.4	2629.8	2636.7	2708.2	2993.5	3557.1	4120.7	4153.0	4069.7
27.5°	2904.3	2888.6	2877.8	2825.8	2808.2	2839.6	3089.5	3655.1	4399.0	4454.9	4349.0
30°	3216.0	3187.5	3171.8	3081.7	3018.0	3022.9	3234.6	3785.4	4690.1	4780.3	4646.0
32.5°	3641.4	3597.2	3555.1	3407.1	3290.5	3252.2	3421.8	3965.8	5005.8	5149.8	4977.3
35°	4117.7	4082.4	4037.3	3809.0	3629.6	3541.4	3674.7	4217.7	5375.3	5603.7	5379.2
37.5°	4576.4	4546.1	4567.6	4259.8	4028.5	3900.1	4006.0	4555.9	5831.1	6168.2	5883.0
40°	5050.8	5027.3	5030.3	4736.2	4466.7	4322.6	4407.9	4980.3	6353.5	6839.7	6488.8
42.5°	5566.4	5548.8	5490.0	5229.2	4926.4	4792.1	4870.5	5470.4	6914.2	7604.2	7153.3
45°	6143.7	6133.0	6078.1	5779.1	5432.1	5281.2	5387.0	6011.4	7477.8	8323.7	7820.8
47.5°	6642.7	6651.5	6644.6	6392.7	6033.0	5811.5	5937.9	6576.0	8002.2	9000.0	8460.9
50°	6882.8	6928.9	6996.5	6918.1	6694.6	6469.2	6493.7	7121.0	8502.0	9634.1	9074.5
52.5°	6757.3	6844.6	7028.8	7154.3	7240.6	7193.5	7127.8	7662.0	8972.5	10206.6	9654.7
55°	6289.8	6412.3	6718.1	7021.0	7461.1	7803.2	7889.4	8261.9	9431.3	10710.4	10203.6
57.5°	5438.0	5637.0	5911.4	6524.1	7265.1	8098.2	8777.5	9094.1	9917.4	11248.5	10778.0
60°	3977.6	4244.2	4585.3	5496.8	6578.9	7940.4	9533.2	10372.2	10608.4	11945.4	11525.9
62.5°	2545.5	2710.2	3023.8	3882.5	5126.3	7131.8	9764.5	11969.9	11779.8	13088.3	12647.2
65°	1742.8	1848.6	2135.8	2618.0	3314.0	5308.6	9145.0	13167.7	13640.1	14899.7	14564.4
67.5°	1266.4	1346.8	1591.8	2014.3	2159.3	3141.5	7096.5	13112.8	15448.6	16765.9	16244.5
70°	923.3	980.2	1186.0	1591.8	1661.4	1747.7	4299.1	11146.6	15409.3	17261.9	16637.5
72.5°	684.2	723.4	861.6	1235.0	1344.8	1180.1	2128.0	8101.2	13241.2	15613.2	15112.4
75°	495.0	524.4	626.3	944.9	1076.2	898.8	1061.5	4734.2	9236.2	10982.9	11071.1
77.5°	378.3	400.9	467.5	692.0	861.6	674.4	658.7	2178.0	4379.4	4401.0	4648.0
80°	303.9	318.6	354.8	487.1	660.6	504.8	429.3	879.2	1384.0	1171.3	1229.1
82.5°	223.5	248.0	299.9	342.1	472.4	348.0	261.7	444.0	526.4	452.8	456.8
85°	127.4	144.1	181.3	245.0	301.9	212.7	150.0	197.0	245.0	200.9	179.4
87.5°	45.1	58.8	63.7	96.1	131.3	88.2	57.8	56.9	80.4	59.8	50.0
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°	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2	2708.2
2.5°	2727.8	2722.9	2703.3	2676.9	2649.4	2623.0	2614.1	2595.5	2582.8	2575.9	2583.7
5°	2782.7	2767.0	2721.0	2662.2	2600.4	2533.8	2486.7	2443.6	2412.2	2382.8	2394.6
7.5°	2861.1	2833.7	2754.3	2651.4	2541.6	2430.8	2348.5	2285.8	2243.6	2216.2	2222.1
10°	2952.3	2910.1	2788.6	2634.7	2465.1	2306.4	2209.3	2155.4	2128.9	2114.2	2118.2
12.5°	3057.2	2997.4	2823.9	2596.5	2348.5	2167.2	2100.5	2084.8	2085.8	2086.8	2088.8
15°	3186.6	3103.2	2852.3	2513.2	2196.6	2060.3	2048.6	2074.1	2100.5	2113.3	2112.3
17.5°	3332.6	3215.0	2857.2	2375.9	2047.6	1991.7	2029.0	2083.9	2124.0	2141.7	2145.6
20°	3489.4	3328.7	2821.9	2181.9	1925.1	1935.8	2002.5	2073.1	2117.2	2139.7	2145.6
22.5°	3668.8	3450.2	2737.6	1978.0	1825.1	1875.1	1953.5	2022.1	2068.2	2090.7	2096.6
25°	3873.7	3586.5	2605.3	1806.5	1738.8	1806.5	1884.9	1941.7	1979.0	1999.6	2005.4
27.5°	4101.1	3728.6	2428.9	1670.2	1663.4	1735.9	1800.6	1844.7	1864.3	1880.0	1885.9
30°	4329.4	3858.0	2215.2	1567.3	1597.7	1666.3	1712.4	1732.0	1737.9	1740.8	1747.7
32.5°	4576.4	3969.7	1990.7	1482.0	1535.0	1598.7	1626.1	1634.9	1607.5	1588.9	1594.7
35°	4875.4	4089.3	1771.2	1414.4	1473.2	1528.1	1536.9	1529.1	1496.7	1458.5	1460.5
37.5°	5244.9	4238.3	1595.7	1366.4	1415.4	1451.6	1440.9	1438.9	1441.8	1396.8	1399.7
40°	5697.8	4432.4	1467.3	1329.1	1368.3	1376.2	1345.8	1362.4	1377.1	1308.5	1310.5
42.5°	6200.6	4666.6	1386.0	1303.6	1329.1	1310.5	1263.4	1282.1	1280.1	1189.9	1189.0
45°	6713.2	4921.5	1357.5	1285.0	1292.9	1255.6	1203.7	1208.6	1167.4	1086.0	1089.0
47.5°	7222.9	5194.9	1375.2	1269.3	1247.8	1205.6	1165.4	1143.9	1083.1	1022.3	1022.3
50°	7722.8	5482.1	1439.9	1238.0	1186.0	1161.5	1132.1	1093.9	1029.2	977.2	973.3
52.5°	8186.4	5771.3	1512.4	1186.0	1108.6	1123.3	1104.7	1060.6	996.8	943.9	944.9
55°	8625.5	6060.4	1540.8	1114.5	1036.0	1090.0	1079.2	997.8	921.4	878.2	874.3
57.5°	9103.9	6408.4	1509.5	1023.3	977.2	1051.7	1010.6	920.4	876.3	843.9	841.0
60°	9766.5	6954.3	1441.8	910.6	921.4	994.9	924.3	887.1	839.0	802.8	800.8
62.5°	10867.2	7972.8	1333.0	798.8	855.7	910.6	883.1	845.9	796.9	761.6	761.6
65°	12494.3	9388.1	1128.2	711.6	782.2	828.2	839.0	801.8	750.8	713.6	715.5
67.5°	13866.5	10276.2	853.7	639.1	706.7	761.6	792.0	755.7	701.8	665.5	666.5
70°	13791.1	9631.2	651.8	567.5	640.1	695.9	735.1	706.7	648.9	614.6	617.5
72.5°	12249.3	8057.0	527.3	495.0	572.4	627.3	674.4	652.8	594.0	560.7	560.7
75°	8999.0	5719.3	421.5	421.5	488.1	555.8	607.7	594.0	540.1	516.6	509.7
77.5°	3793.3	2399.5	330.3	349.9	405.8	477.3	542.0	546.9	499.9	529.3	480.3
80°	1008.6	661.6	251.9	275.4	318.6	394.0	471.5	469.5	418.5	391.1	363.6
82.5°	384.2	260.7	179.4	194.1	230.3	301.9	373.4	385.2	334.2	289.2	289.2
85°	148.0	111.7	110.8	116.6	134.3	200.0	282.3	292.1	251.9	213.7	220.5
87.5°	38.2	33.3	41.2	39.2	61.8	106.8	161.7	167.6	153.9	89.2	127.4
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)