

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: P941605

Luminaire Tested: **GALN-SB5B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941605
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-SB5B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 23283 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 182.7
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



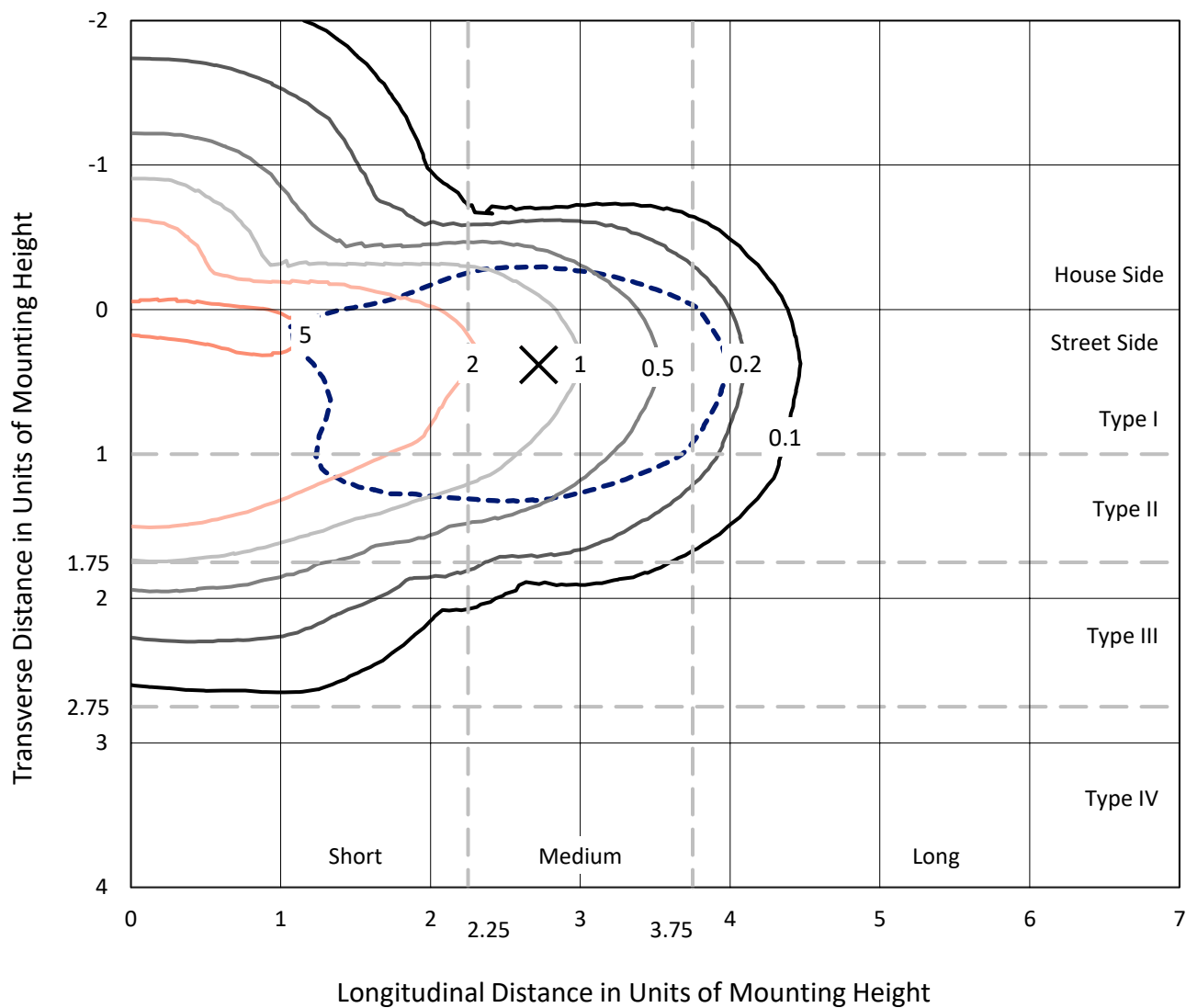
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Iso-Footcandle Lines of Horizontal Illumination

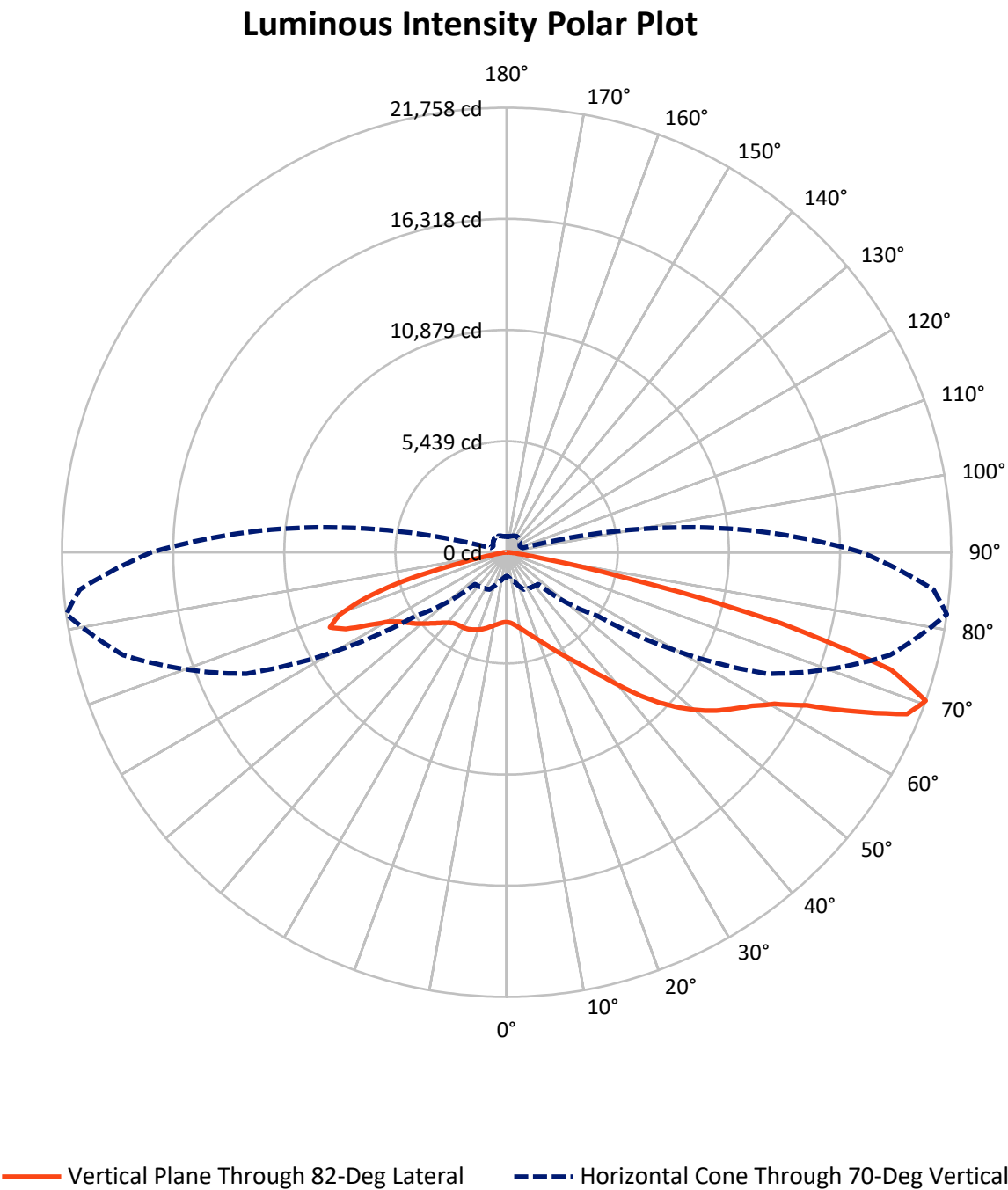
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5739.8	0.0	5739.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17543.2	0.0	17543.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	23283.0	0.0	23283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.3	1.4
10°-20°	926.0	4.0
20°-30°	1549.1	6.7
30°-40°	2420.1	10.4
40°-50°	3854.3	16.6
50°-60°	5363.7	23.0
60°-70°	5610.7	24.1
70°-80°	2932.4	12.6
80°-90°	304.5	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°	23283.0	100.0
0°-180°	23283.0	100.0

Coefficient of Utilization



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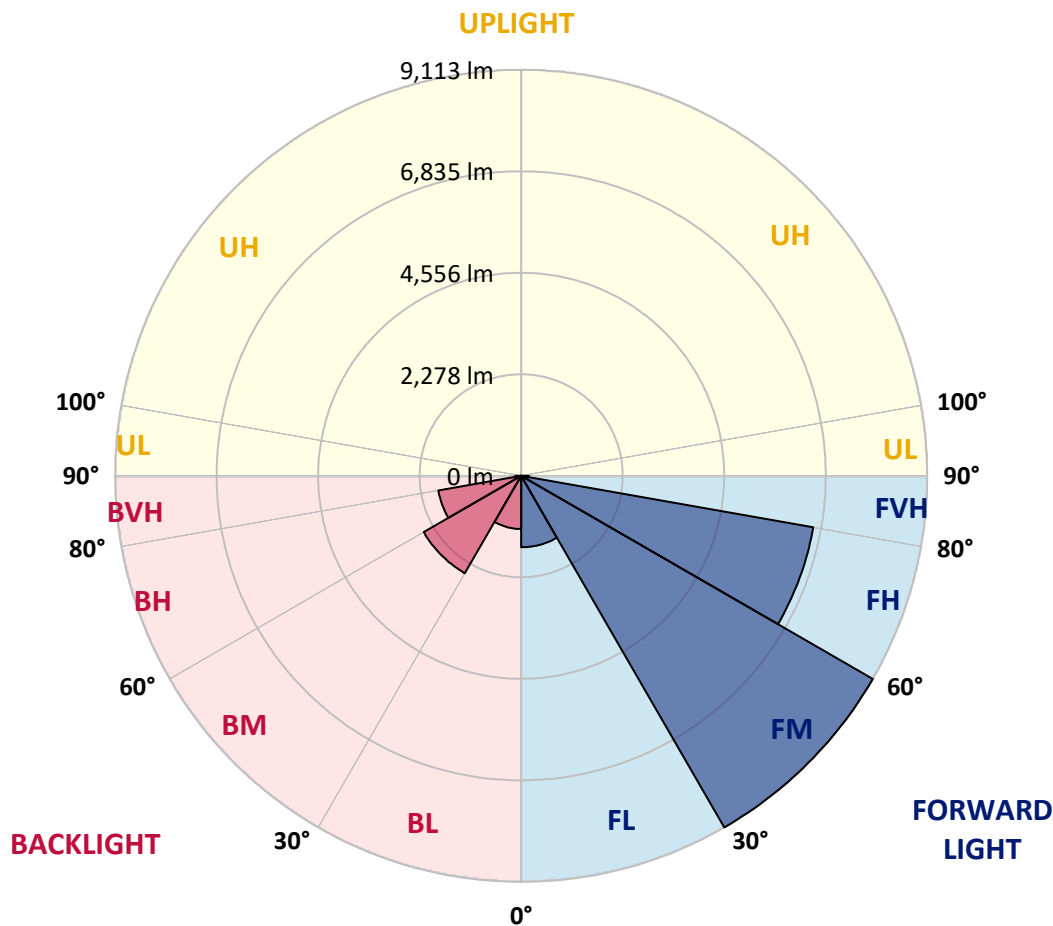
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1603.3	6.9			
FM	(30°-60°)	9112.7	39.1			
FH	(60°-80°)	6656.7	28.6			G3/7500
FVH	(80°-90°)	170.5	0.7			G2/225
BL	(0°-30°)	1194.1	5.1	B3/2500		
BM	(30°-60°)	2525.3	10.8	B3/5000		
BH	(60°-80°)	1886.4	8.1	B3/2500		G3/2500
BVH	(80°-90°)	134.0	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°	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6
2.5°	3495.1	3514.9	3508.7	3502.5	3502.5	3493.9	3492.6	3480.3	3470.4	3454.3	3450.6
5°	3539.6	3560.6	3558.1	3563.1	3579.1	3582.8	3586.5	3579.1	3559.4	3539.6	3530.9
7.5°	3500.1	3523.5	3530.9	3560.6	3610.0	3654.5	3687.9	3701.4	3682.9	3654.5	3640.9
10°	3366.6	3392.6	3418.5	3488.9	3576.7	3681.7	3770.6	3823.8	3820.0	3792.9	3769.4
12.5°	3096.1	3123.2	3178.8	3316.0	3476.6	3661.9	3827.5	3938.6	3976.9	3957.2	3916.4
15°	2879.9	2903.3	2945.3	3086.2	3295.0	3576.7	3848.5	4064.7	4162.3	4151.1	4101.7
17.5°	2873.7	2883.6	2909.5	2976.2	3136.8	3443.2	3826.2	4188.2	4374.8	4373.5	4311.8
20°	2982.4	2986.1	3000.9	3014.5	3105.9	3341.9	3769.4	4290.8	4613.2	4613.2	4546.5
22.5°	3133.1	3130.7	3145.5	3133.1	3177.6	3333.3	3733.6	4380.9	4878.8	4898.6	4814.6
25°	3359.2	3346.9	3343.2	3314.7	3323.4	3413.6	3773.1	4483.5	5193.9	5234.6	5129.6
27.5°	3660.7	3640.9	3627.3	3561.8	3539.6	3579.1	3894.2	4607.0	5544.7	5615.2	5481.7
30°	4053.5	4017.7	3998.0	3884.3	3804.0	3810.2	4077.0	4771.4	5911.7	6025.3	5856.1
32.5°	4589.7	4534.1	4481.0	4294.5	4147.4	4099.3	4313.0	4998.7	6309.5	6491.1	6273.7
35°	5190.2	5145.7	5088.9	4801.0	4574.9	4463.7	4631.7	5316.2	6775.3	7063.1	6780.2
37.5°	5768.4	5730.1	5757.2	5369.3	5077.7	4915.9	5049.3	5742.4	7349.8	7774.8	7415.2
40°	6366.3	6336.7	6340.4	5969.7	5630.0	5448.4	5555.9	6277.4	8008.3	8621.0	8178.8
42.5°	7016.2	6993.9	6919.8	6591.2	6209.4	6040.2	6139.0	6895.1	8714.9	9584.7	9016.4
45°	7743.9	7730.3	7661.1	7284.3	6846.9	6656.7	6790.1	7577.1	9425.3	10491.5	9857.7
47.5°	8372.7	8383.8	8375.2	8057.7	7604.3	7325.0	7484.4	8288.7	10086.3	11344.0	10664.5
50°	8675.4	8733.5	8818.7	8719.9	8438.2	8154.0	8184.9	8975.6	10716.4	12143.3	11437.9
52.5°	8517.3	8627.2	8859.5	9017.6	9126.4	9067.0	8984.3	9657.6	11309.4	12864.9	12169.3
55°	7928.0	8082.4	8467.9	8849.6	9404.3	9835.5	9944.2	10413.7	11887.6	13499.9	12861.1
57.5°	6854.3	7105.1	7451.1	8223.2	9157.2	10207.4	11063.6	11462.6	12500.4	14178.2	13585.1
60°	5013.5	5349.5	5779.5	6928.5	8292.4	10008.5	12016.1	13073.6	13371.4	15056.6	14527.8
62.5°	3208.5	3416.0	3811.4	4893.7	6461.5	8989.2	12307.7	15087.5	14847.8	16497.1	15941.2
65°	2196.6	2330.1	2692.1	3299.9	4177.1	6691.3	11526.9	16597.2	17192.7	18780.2	18357.7
67.5°	1596.2	1697.5	2006.4	2538.9	2721.7	3959.7	8944.7	16528.0	19472.1	21132.6	20475.3
70°	1163.8	1235.5	1494.9	2006.4	2094.1	2202.8	5418.7	14049.7	19422.7	21757.7	20970.7
72.5°	862.4	911.8	1086.0	1556.7	1695.1	1487.5	2682.2	10211.1	16689.8	19679.7	19048.3
75°	623.9	661.0	789.5	1191.0	1356.5	1132.9	1338.0	5967.3	11641.7	13843.3	13954.5
77.5°	476.9	505.3	589.3	872.2	1086.0	850.0	830.2	2745.2	5520.0	5547.2	5858.6
80°	383.0	401.5	447.2	614.0	832.7	636.3	541.1	1108.2	1744.5	1476.4	1549.3
82.5°	281.7	312.6	378.1	431.2	595.5	438.6	329.9	559.7	663.4	570.8	575.7
85°	160.6	181.6	228.6	308.9	380.5	268.1	189.0	248.3	308.9	253.3	226.1
87.5°	56.8	74.1	80.3	121.1	165.6	111.2	72.9	71.7	101.3	75.4	63.0
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°	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6
2.5°	3438.3	3432.1	3407.4	3374.0	3339.5	3306.1	3295.0	3271.5	3255.4	3246.8	3256.7
5°	3507.5	3487.7	3429.6	3355.5	3277.7	3193.7	3134.4	3080.0	3040.5	3003.4	3018.2
7.5°	3606.3	3571.7	3471.6	3341.9	3203.6	3063.9	2960.2	2881.1	2828.0	2793.4	2800.8
10°	3721.2	3668.1	3514.9	3320.9	3107.2	2907.0	2784.7	2716.8	2683.4	2664.9	2669.8
12.5°	3853.4	3778.0	3559.4	3272.7	2960.2	2731.6	2647.6	2627.8	2629.1	2630.3	2632.8
15°	4016.5	3911.5	3595.2	3167.7	2768.7	2596.9	2582.1	2614.2	2647.6	2663.7	2662.4
17.5°	4200.6	4052.3	3601.4	2994.8	2580.9	2510.5	2557.4	2626.6	2677.2	2699.5	2704.4
20°	4398.2	4195.6	3556.9	2750.1	2426.4	2440.0	2524.0	2613.0	2668.6	2697.0	2704.4
22.5°	4624.3	4348.8	3450.6	2493.2	2300.4	2363.4	2462.3	2548.8	2606.8	2635.2	2642.7
25°	4882.5	4520.6	3283.9	2277.0	2191.7	2277.0	2375.8	2447.4	2494.4	2520.3	2527.8
27.5°	5169.2	4699.7	3061.5	2105.2	2096.6	2188.0	2269.5	2325.1	2349.8	2369.6	2377.0
30°	5457.0	4862.8	2792.1	1975.5	2013.8	2100.3	2158.4	2183.1	2190.5	2194.2	2202.8
32.5°	5768.4	5003.6	2509.2	1868.0	1934.7	2015.0	2049.6	2060.7	2026.2	2002.7	2010.1
35°	6145.2	5154.3	2232.5	1782.8	1856.9	1926.1	1937.2	1927.3	1886.5	1838.4	1840.8
37.5°	6611.0	5342.1	2011.3	1722.2	1784.0	1829.7	1816.1	1813.7	1817.4	1760.5	1764.2
40°	7181.7	5586.8	1849.5	1675.3	1724.7	1734.6	1696.3	1717.3	1735.8	1649.3	1651.8
42.5°	7815.5	5882.0	1746.9	1643.2	1675.3	1651.8	1592.5	1616.0	1613.5	1499.8	1498.6
45°	8461.7	6203.3	1711.1	1619.7	1629.6	1582.6	1517.1	1523.3	1471.4	1368.9	1372.6
47.5°	9104.1	6547.9	1733.4	1599.9	1572.7	1519.6	1469.0	1441.8	1365.2	1288.6	1288.6
50°	9734.2	6909.9	1814.9	1560.4	1494.9	1464.0	1427.0	1378.8	1297.2	1231.8	1226.8
52.5°	10318.6	7274.4	1906.3	1494.9	1397.3	1415.8	1392.4	1336.8	1256.5	1189.7	1191.0
55°	10872.1	7638.9	1942.1	1404.7	1305.9	1373.8	1360.2	1257.7	1161.3	1107.0	1102.0
57.5°	11475.0	8077.4	1902.6	1289.8	1231.8	1325.6	1273.8	1160.1	1104.5	1063.7	1060.0
60°	12310.1	8765.6	1817.4	1147.7	1161.3	1254.0	1165.0	1118.1	1057.6	1011.8	1009.4
62.5°	13697.6	10049.2	1680.2	1006.9	1078.6	1147.7	1113.2	1066.2	1004.4	960.0	960.0
65°	15748.4	11833.2	1422.0	896.9	985.9	1044.0	1057.6	1010.6	946.4	899.4	901.9
67.5°	17478.1	12952.6	1076.1	805.5	890.8	960.0	998.3	952.5	884.6	838.9	840.1
70°	17382.9	12139.6	821.6	715.3	806.8	877.2	926.6	890.8	817.9	774.6	778.3
72.5°	15439.6	10155.5	664.7	623.9	721.5	790.7	850.0	822.8	748.7	706.7	706.7
75°	11342.8	7208.9	531.2	531.2	615.3	700.5	766.0	748.7	680.7	651.1	642.4
77.5°	4781.2	3024.4	416.4	441.1	511.5	601.7	683.2	689.4	630.1	667.1	605.4
80°	1271.3	833.9	317.5	347.2	401.5	496.7	594.3	591.8	527.5	492.9	458.4
82.5°	484.3	328.6	226.1	244.6	290.3	380.5	470.7	485.5	421.3	364.5	364.5
85°	186.6	140.8	139.6	147.0	169.3	252.0	355.8	368.2	317.5	269.3	278.0
87.5°	48.2	42.0	51.9	49.4	77.8	134.7	203.9	211.3	194.0	112.4	160.6
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)