

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: P948101

Luminaire Tested: **GALN-SB3B-730-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-730-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17122 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 109.2
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

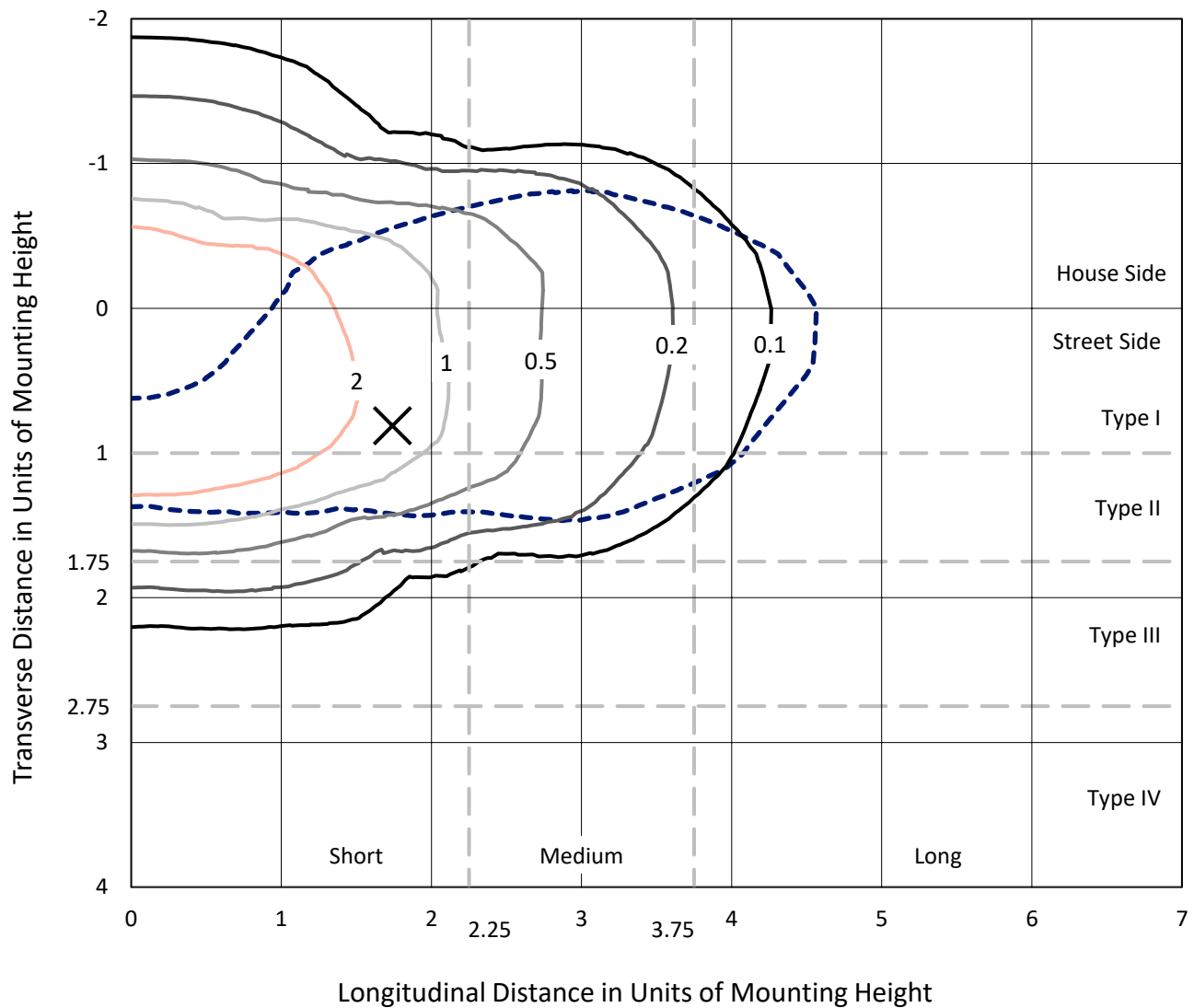


REPORT NUMBER: P948101

CATALOG NUMBER: GALN-SB3B-730-U-T2U

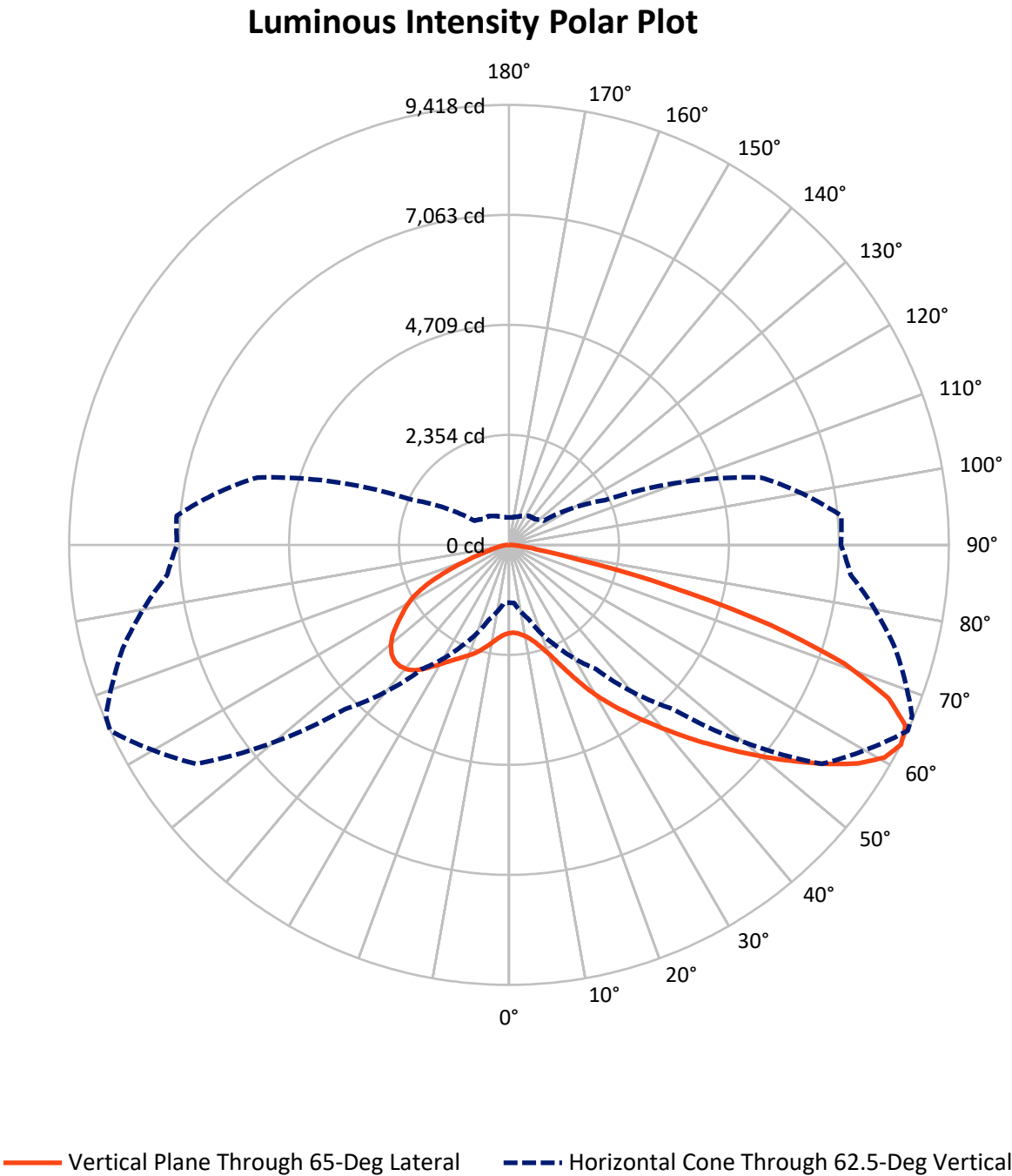
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
Type II - Short - N/A

REPORT NUMBER: P948101
CATALOG NUMBER: GALN-SB3B-730-U-T2U



REPORT NUMBER: P948101

CATALOG NUMBER: GALN-SB3B-730-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5403.0	0.0	5403.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	11719.0	0.0	11719.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	17122.0	0.0	17122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.1	1.1
10°-20°	637.9	3.7
20°-30°	1293.4	7.6
30°-40°	2238.2	13.1
40°-50°	3387.1	19.8
50°-60°	3971.2	23.2
60°-70°	3329.3	19.4
70°-80°	1838.1	10.7
80°-90°	238.8	1.4
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°	17122.0	100.0
0°-180°	17122.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948101

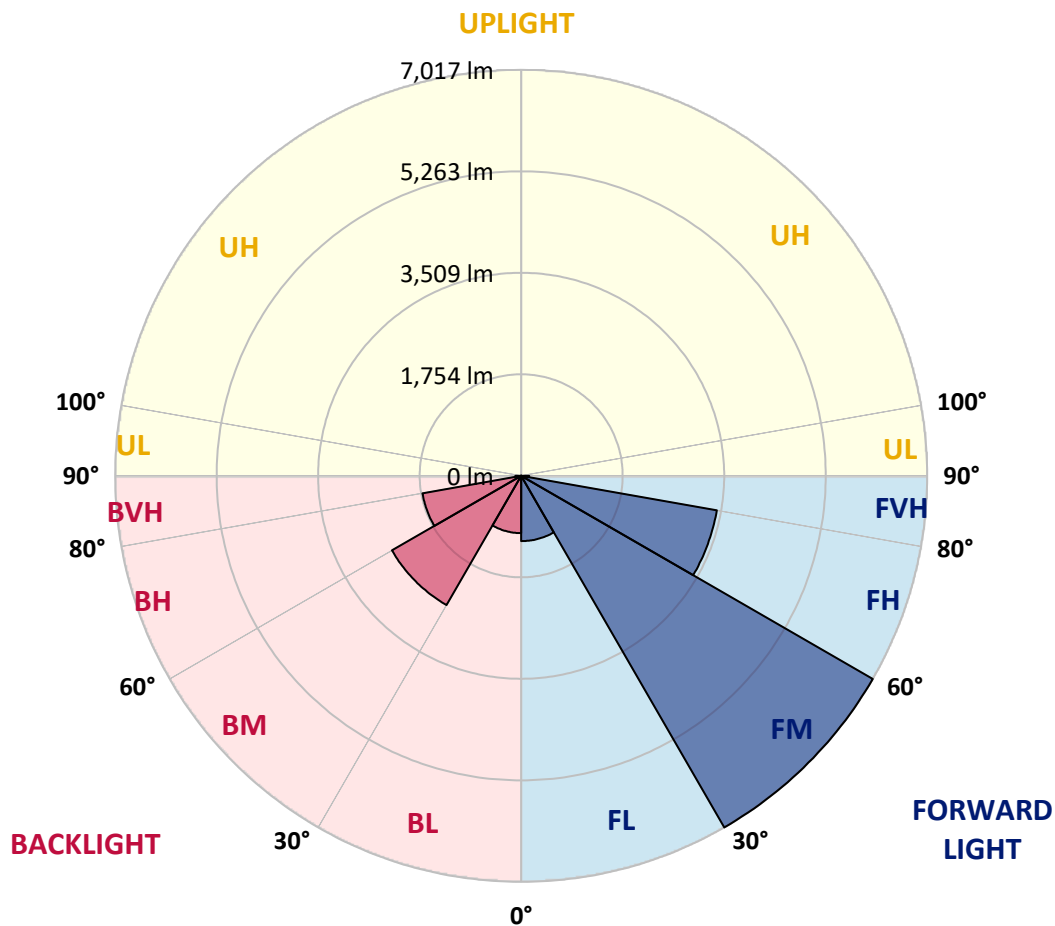
CATALOG NUMBER: GALN-SB3B-730-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1128.6	6.6			
FM	(30°-60°)	7017.2	41.0			
FH	(60°-80°)	3434.2	20.1			G2/5000
FVH	(80°-90°)	139.2	0.8			G2/225
BL	(0°-30°)	990.8	5.8	B2/1000		
BM	(30°-60°)	2579.3	15.1	B3/5000		
BH	(60°-80°)	1733.2	10.1	B3/2500		G3/2500
BVH	(80°-90°)	99.6	0.6			G1/100
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 Short



REPORT NUMBER: P948101

CATALOG NUMBER: GALN-SB3B-730-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8
2.5°	1874.3	1869.0	1873.4	1873.4	1875.2	1874.3	1880.6	1882.3	1885.0	1890.3	1890.3
5°	1855.7	1854.8	1862.8	1869.9	1877.0	1883.2	1891.2	1902.8	1904.5	1910.8	1918.7
7.5°	1849.5	1844.1	1856.6	1865.5	1882.3	1897.4	1918.7	1938.3	1946.3	1949.0	1964.1
10°	1897.4	1888.5	1900.1	1905.4	1919.6	1934.7	1959.6	1990.7	1999.6	2010.2	2027.1
12.5°	1979.2	1969.4	1986.3	1994.3	2007.6	2020.9	2037.8	2068.0	2072.4	2092.0	2108.0
15°	2091.1	2079.5	2090.2	2100.0	2122.2	2134.6	2151.5	2180.8	2180.8	2195.9	2207.5
17.5°	2243.0	2227.9	2235.9	2239.4	2253.6	2272.3	2300.7	2326.5	2339.8	2334.5	2318.5
20°	2469.5	2450.8	2450.8	2433.1	2427.8	2442.9	2480.2	2515.7	2529.9	2502.4	2463.3
22.5°	2809.7	2783.1	2768.0	2707.6	2683.6	2685.4	2722.7	2766.2	2777.7	2728.9	2640.9
25°	3242.3	3200.6	3180.1	3091.3	3037.1	2990.1	3019.4	3075.3	3091.3	3030.9	2888.8
27.5°	3674.9	3677.6	3658.1	3551.5	3461.7	3375.6	3360.5	3419.1	3436.0	3367.6	3191.7
30°	4281.7	4218.6	4181.3	4053.4	3925.4	3804.6	3742.4	3766.4	3770.9	3689.2	3484.8
32.5°	4804.9	4788.9	4708.9	4597.0	4432.7	4243.5	4139.5	4101.3	4094.2	3977.9	3735.3
35°	5400.9	5392.0	5307.7	5174.4	4996.7	4733.8	4546.4	4437.1	4428.2	4264.8	3983.2
37.5°	6006.8	6006.8	5924.1	5778.5	5594.6	5265.9	4980.8	4807.5	4779.1	4565.9	4235.5
40°	6490.0	6460.7	6475.8	6414.5	6204.0	5854.9	5463.1	5211.7	5173.5	4917.7	4503.7
42.5°	6764.5	6754.7	6845.3	6913.7	6827.5	6548.6	5994.3	5649.7	5596.4	5305.0	4812.9
45°	6825.8	6815.1	6976.8	7227.3	7348.1	7233.5	6571.7	6110.7	6045.8	5710.1	5144.2
47.5°	6684.5	6663.2	6900.4	7295.7	7683.0	7884.6	7197.1	6610.8	6516.6	6104.5	5484.4
50°	6259.9	6239.5	6598.4	7123.4	7795.8	8327.0	7875.8	7141.1	6997.2	6527.3	5828.2
52.5°	5337.0	5346.7	5909.0	6630.3	7647.5	8602.4	8460.3	7699.9	7526.6	6959.9	6150.7
55°	4157.3	4178.6	4869.7	5663.9	7054.1	8560.6	8859.1	8275.5	8103.2	7366.8	6483.8
57.5°	2976.7	3070.9	3718.5	4504.6	5914.4	7898.9	8946.2	8822.7	8655.7	7810.9	6809.8
60°	1929.4	1946.3	2612.5	3404.9	4503.7	6722.7	8769.4	9237.5	9107.0	8263.9	7082.5
62.5°	1236.5	1248.1	1654.0	2381.6	3241.4	4973.6	8174.2	9417.9	9377.9	8563.3	7344.5
65°	908.7	899.9	1111.3	1574.1	2183.5	3067.3	7018.5	9330.8	9409.9	8750.7	7561.3
67.5°	758.6	746.2	850.1	1090.0	1608.7	1742.0	5193.1	8765.0	9054.5	8729.4	7720.3
70°	691.1	680.4	743.5	809.3	1255.2	1166.4	2617.8	7619.9	8065.9	8486.9	7694.5
72.5°	585.4	566.7	652.9	718.6	976.3	894.5	1082.0	5853.1	6396.7	7709.6	7332.1
75°	453.9	441.5	515.2	632.5	733.7	698.2	684.0	3554.1	4147.5	5962.3	6414.5
77.5°	359.8	342.9	410.4	493.0	660.0	526.8	498.3	1530.6	2118.6	3806.4	4799.5
80°	270.9	255.8	311.8	390.0	507.2	397.1	322.5	624.5	798.6	1928.5	2413.5
82.5°	192.8	179.4	217.6	286.0	341.1	356.2	198.1	350.0	393.5	743.5	539.2
85°	123.5	115.5	145.7	179.4	216.7	229.2	120.8	183.0	200.8	306.5	224.7
87.5°	67.5	55.1	78.2	83.5	100.4	91.5	57.7	66.6	72.0	111.0	95.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948101

CATALOG NUMBER: GALN-SB3B-730-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8	1886.8
2.5°	1893.9	1896.5	1905.4	1908.1	1914.3	1922.3	1927.6	1933.0	1933.0	1938.3	1938.3
5°	1919.6	1925.9	1944.5	1954.3	1970.3	1986.3	1996.0	2007.6	2014.7	2018.2	2020.0
7.5°	1969.4	1979.2	2005.8	2022.7	2050.2	2072.4	2087.5	2103.5	2107.1	2116.8	2113.3
10°	2036.9	2048.4	2078.6	2110.6	2143.5	2171.0	2185.2	2196.8	2201.2	2203.0	2198.6
12.5°	2114.2	2131.1	2170.1	2209.2	2243.9	2267.9	2271.4	2268.7	2256.3	2245.6	2245.6
15°	2209.2	2224.3	2267.9	2310.5	2344.2	2348.7	2326.5	2312.3	2297.2	2294.5	2294.5
17.5°	2322.9	2330.9	2370.9	2412.6	2415.3	2400.2	2367.3	2354.0	2339.8	2330.0	2330.9
20°	2455.3	2452.6	2481.0	2498.8	2480.2	2434.0	2384.2	2362.0	2347.8	2336.3	2337.1
22.5°	2613.4	2593.0	2589.4	2585.0	2535.2	2438.4	2370.9	2342.5	2320.3	2304.3	2309.6
25°	2843.5	2765.3	2711.1	2680.9	2569.0	2414.4	2328.3	2265.2	2223.4	2195.9	2206.6
27.5°	3131.3	2999.8	2863.0	2789.3	2569.0	2365.6	2225.2	2123.1	2054.7	2026.2	2040.4
30°	3405.8	3268.1	3066.4	2919.9	2562.8	2285.6	2059.1	1917.0	1837.0	1808.6	1825.5
32.5°	3640.3	3490.2	3282.3	3062.9	2547.7	2155.9	1853.0	1695.8	1618.5	1584.7	1601.6
35°	3857.9	3698.0	3499.1	3220.1	2507.7	1965.8	1626.5	1506.6	1420.4	1366.2	1384.0
37.5°	4080.9	3890.8	3704.3	3362.3	2435.7	1743.8	1452.4	1350.2	1249.0	1176.1	1195.7
40°	4323.4	4096.0	3923.7	3446.6	2317.6	1532.3	1317.4	1224.1	1116.6	1039.3	1054.4
42.5°	4606.8	4342.1	4167.9	3490.2	2155.9	1382.2	1229.4	1137.9	1036.7	973.6	986.0
45°	4902.6	4613.0	4390.9	3489.3	1975.6	1312.0	1201.0	1110.4	998.5	932.7	943.4
47.5°	5212.6	4896.4	4583.7	3432.4	1819.3	1321.8	1185.0	1050.9	927.4	863.4	872.3
50°	5523.5	5206.4	4770.2	3325.8	1752.6	1300.5	1125.5	967.4	821.7	763.9	767.5
52.5°	5831.8	5535.9	4931.0	3173.9	1685.1	1221.4	1049.1	859.0	778.2	738.2	738.2
55°	6141.8	5862.0	5106.0	2952.7	1516.3	1129.0	921.2	818.1	743.5	707.1	703.5
57.5°	6452.7	6238.6	5272.1	2731.6	1304.0	1015.3	851.0	768.4	708.9	677.8	672.5
60°	6776.0	6669.4	5443.6	2528.1	1094.4	869.7	799.5	728.4	668.0	633.4	630.7
62.5°	7109.1	7143.8	5577.7	2266.1	901.6	780.8	753.3	680.4	621.8	588.9	588.1
65°	7444.9	7601.3	5665.6	1902.8	731.1	696.4	703.5	628.0	568.5	540.1	539.2
67.5°	7698.1	7930.8	5640.8	1440.0	599.6	616.5	641.4	573.0	517.0	494.8	495.7
70°	7726.5	7891.7	5395.6	986.0	501.9	538.3	572.1	518.8	461.0	445.0	445.9
72.5°	7348.1	7358.8	4712.5	644.0	424.6	472.6	499.2	463.7	407.7	391.7	390.9
75°	6355.9	6085.8	3460.0	424.6	355.3	406.0	430.8	406.0	351.8	355.3	342.9
77.5°	4815.5	4310.1	2100.9	302.0	296.7	341.1	374.9	357.1	310.9	349.1	307.4
80°	2481.0	2331.8	937.2	225.6	234.5	272.7	308.2	285.1	246.1	234.5	214.1
82.5°	568.5	660.9	369.5	161.7	169.7	196.3	235.4	214.1	176.8	149.2	147.5
85°	199.0	217.6	163.4	101.3	99.5	122.6	159.9	143.0	119.9	95.9	101.3
87.5°	63.1	82.6	61.3	40.9	42.6	55.1	73.7	67.5	56.0	36.4	38.2
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)