

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: P951262

Luminaire Tested: **GALN-SB5C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31062 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

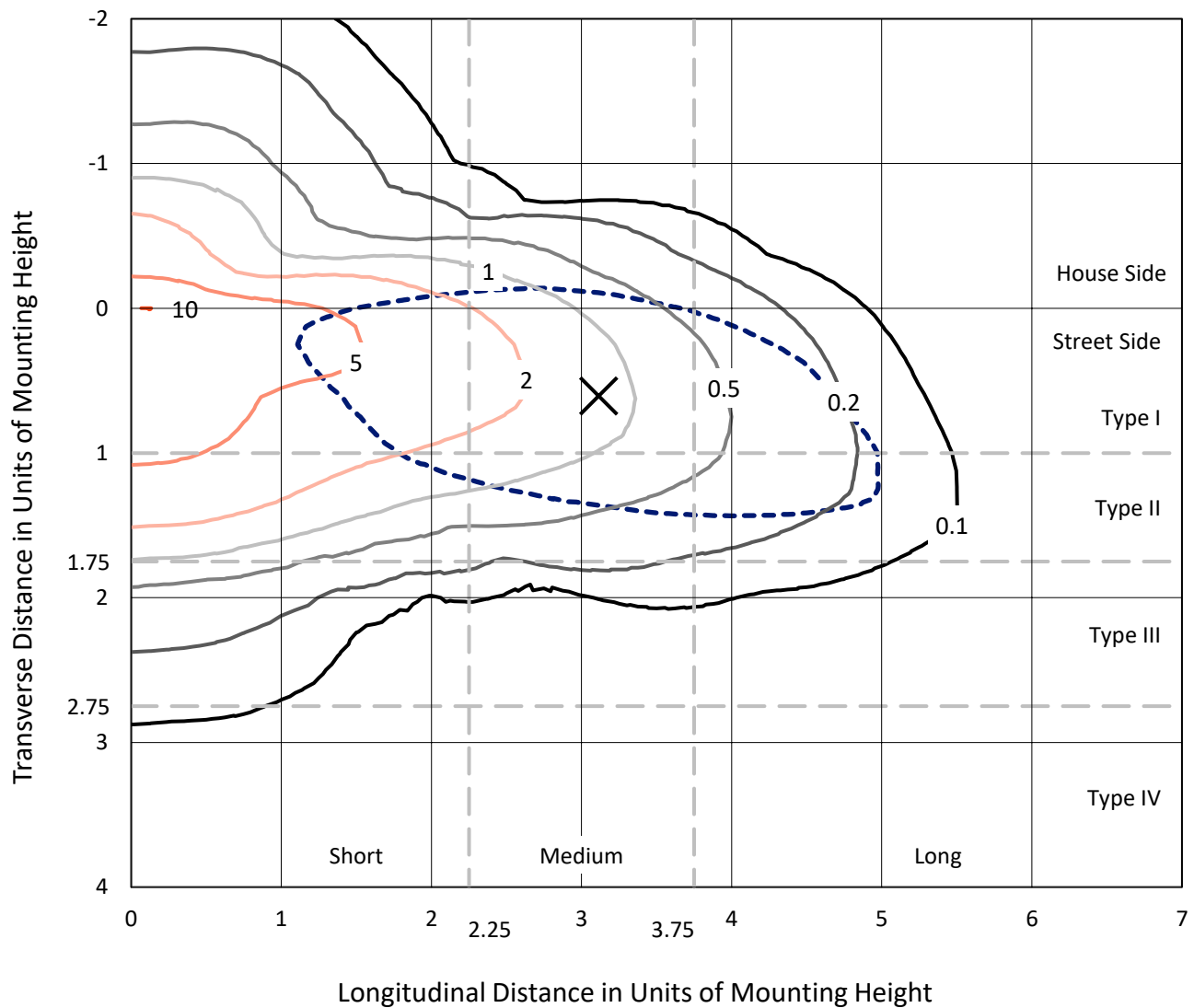
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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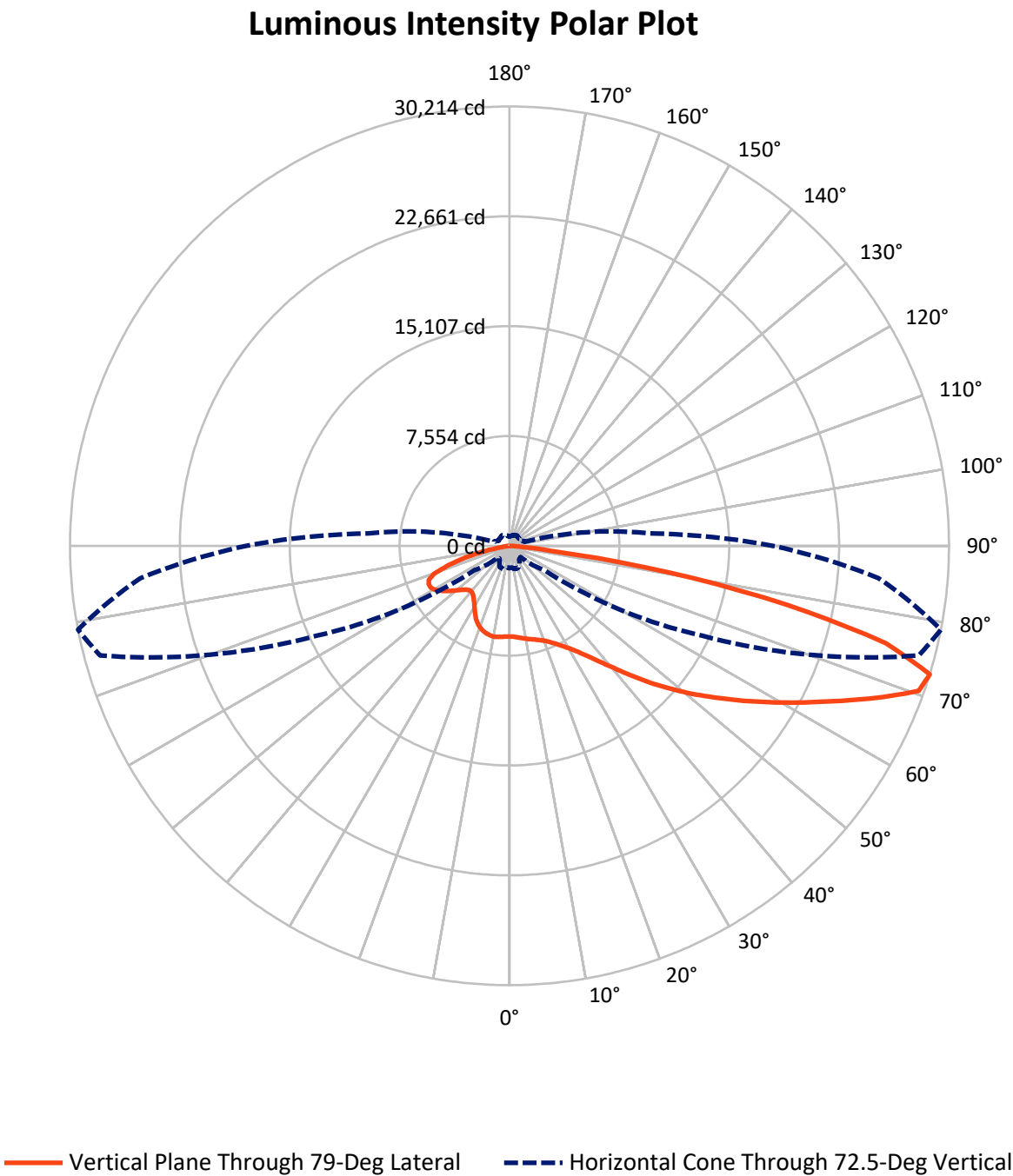
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6835.4	0.0	6835.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	24226.7	0.0	24226.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	31062.0	0.0	31062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.0	1.8
10°-20°	1479.8	4.8
20°-30°	2387.8	7.7
30°-40°	3583.7	11.5
40°-50°	5083.7	16.4
50°-60°	6420.0	20.7
60°-70°	6520.4	21.0
70°-80°	4444.0	14.3
80°-90°	576.6	1.9
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°	31062.0	100.0
0°-180°	31062.0	100.0

Coefficient of Utilization



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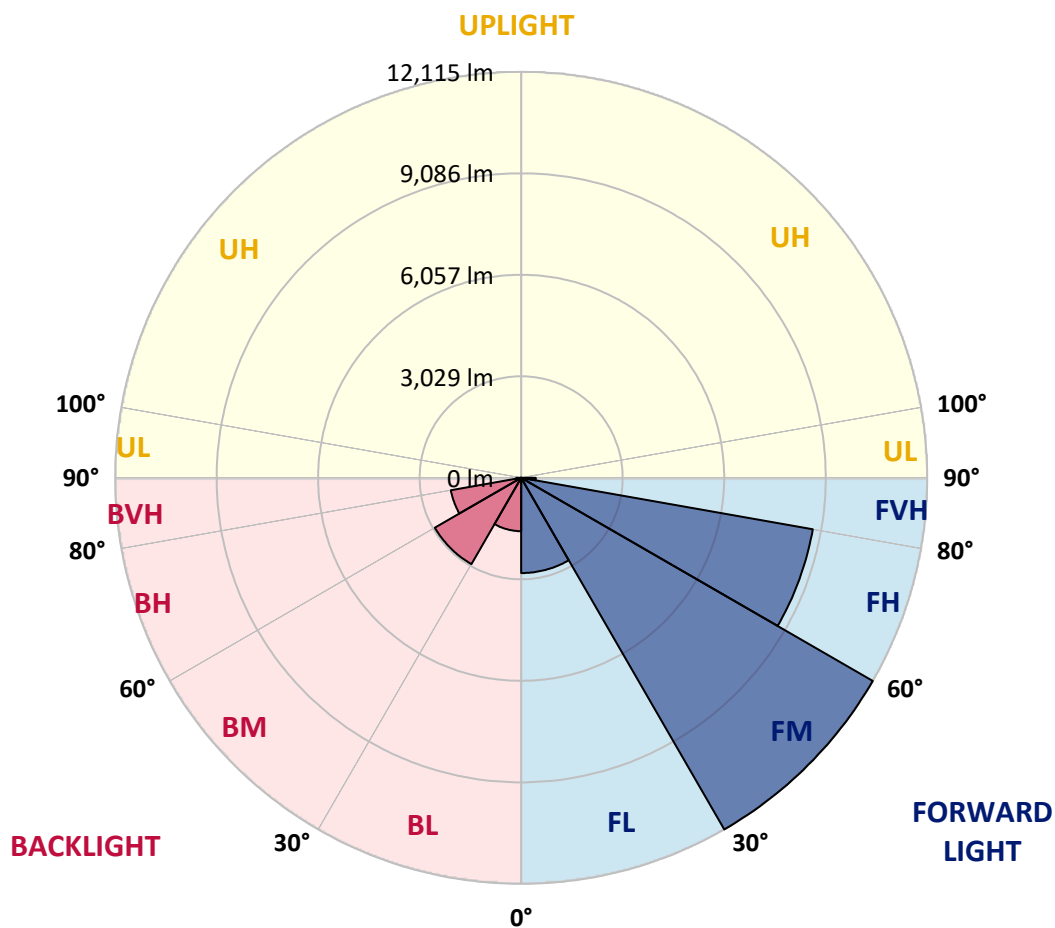
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2841.4	9.1			
FM	(30°-60°)	12114.8	39.0			
FH	(60°-80°)	8836.1	28.4			G4/12000
FVH	(80°-90°)	434.3	1.4			G3/500
BL	(0°-30°)	1592.2	5.1	B3/2500		
BM	(30°-60°)	2972.7	9.6	B3/5000		
BH	(60°-80°)	2128.3	6.9	B3/2500		G3/2500
BVH	(80°-90°)	142.2	0.5			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4
2.5°	6238.7	6209.1	6227.2	6220.6	6228.8	6238.7	6242.0	6246.9	6263.3	6261.7	6260.0
5°	6225.5	6196.0	6220.6	6212.4	6233.8	6256.8	6276.5	6294.6	6320.8	6332.3	6315.9
7.5°	6197.6	6177.9	6202.5	6227.2	6266.6	6301.1	6329.1	6370.1	6407.9	6414.5	6426.0
10°	6034.9	6020.2	6077.7	6141.7	6250.2	6343.8	6404.6	6452.3	6493.4	6499.9	6516.4
12.5°	5865.7	5847.6	5911.7	5998.8	6174.6	6343.8	6472.0	6534.4	6570.6	6591.9	6616.6
15°	5837.8	5823.0	5859.1	5934.7	6081.0	6299.5	6518.0	6633.0	6664.2	6688.9	6698.7
17.5°	5972.5	5944.6	5959.4	5985.7	6071.1	6258.4	6554.2	6744.7	6792.4	6818.7	6818.7
20°	6284.7	6245.3	6222.3	6169.7	6154.9	6265.0	6550.9	6879.5	6941.9	6974.8	6983.0
22.5°	6700.4	6674.1	6624.8	6491.7	6347.1	6345.5	6613.3	7052.0	7168.7	7199.9	7180.2
25°	7203.2	7163.7	7101.3	6920.6	6642.9	6504.9	6718.5	7272.2	7467.7	7475.9	7418.4
27.5°	7781.5	7722.4	7636.9	7398.7	7024.1	6754.6	6879.5	7525.2	7811.1	7807.8	7689.5
30°	8391.1	8331.9	8241.6	7952.4	7480.8	7091.4	7102.9	7797.9	8218.6	8200.5	7998.4
32.5°	8836.4	8792.0	8773.9	8550.5	8006.6	7489.1	7359.3	8100.3	8721.3	8704.9	8422.3
35°	9178.1	9120.6	9142.0	9028.6	8580.0	7934.3	7673.1	8460.1	9332.6	9330.9	8979.3
37.5°	9516.6	9465.7	9483.7	9408.1	9110.8	8499.5	8055.9	8900.4	10090.0	10126.2	9653.0
40°	9825.5	9771.3	9843.6	9772.9	9523.2	9100.9	8491.3	9398.3	10967.4	11036.4	10467.9
42.5°	10011.1	9968.4	10088.4	10090.0	9881.3	9608.6	8969.4	9947.1	11982.8	12137.3	11470.2
45°	10075.2	10060.4	10241.2	10279.0	10198.5	9902.7	9399.9	10545.1	13077.1	13353.1	12612.1
47.5°	10006.2	9978.3	10228.0	10367.7	10431.8	10040.7	9756.5	11192.5	14194.4	14598.6	13857.5
50°	9657.9	9603.7	9975.0	10269.1	10497.5	10131.1	10116.3	11940.1	15464.5	15906.4	15109.6
52.5°	9031.9	8990.8	9413.1	9924.1	10352.9	10175.5	10520.5	12756.7	16670.5	17242.2	16392.8
55°	8231.7	8177.5	8642.5	9309.6	9993.1	10160.7	10924.7	13670.2	18093.3	18673.3	17718.7
57.5°	6963.3	6854.8	7443.0	8231.7	9406.5	10142.6	11345.3	14578.8	19539.2	20234.2	19133.4
60°	5113.2	4952.2	5673.5	6608.4	8259.6	9966.8	11866.2	15597.5	21274.3	21900.3	20677.9
62.5°	2977.2	2883.6	3355.1	4227.6	6225.5	8931.7	12158.6	16782.2	22979.8	23637.0	22196.1
65°	2311.8	2285.5	2326.6	2393.9	3465.2	6687.2	11256.6	17937.3	25148.6	25608.7	23778.3
67.5°	2114.6	2094.9	2113.0	1986.5	1758.1	3724.8	8905.4	18229.7	27471.9	27751.2	25163.4
70°	1879.7	1856.7	1915.8	1807.4	1383.5	1694.0	5754.0	17168.3	29320.4	29844.5	26216.6
72.5°	1531.3	1505.0	1643.1	1593.8	1164.9	1087.7	2890.1	14646.2	29126.5	30214.2	25462.5
75°	1176.4	1161.6	1325.9	1367.0	949.7	856.0	1386.7	10886.9	25631.7	26727.6	21944.7
77.5°	913.5	902.0	985.8	1135.4	765.7	663.8	852.7	6905.8	19315.8	19508.0	15122.7
80°	685.2	652.3	729.5	879.0	596.4	484.7	578.4	4027.1	12209.6	11067.6	6582.1
82.5°	428.8	412.4	476.5	586.6	420.6	333.5	376.3	2224.7	4893.0	2881.9	1270.1
85°	244.8	238.2	259.6	335.2	228.4	192.2	215.2	982.5	893.8	614.5	382.8
87.5°	98.6	95.3	118.3	149.5	83.8	70.7	75.6	236.6	197.2	182.4	126.5
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°	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4	6235.4
2.5°	6253.5	6253.5	6230.5	6194.3	6153.2	6127.0	6084.2	6072.7	6028.4	6015.2	6036.6
5°	6329.1	6315.9	6245.3	6143.4	6003.7	5875.6	5734.3	5645.5	5520.7	5476.3	5509.2
7.5°	6424.4	6388.2	6266.6	6043.2	5750.7	5463.2	5164.1	4937.4	4720.5	4643.3	4653.1
10°	6511.4	6460.5	6253.5	5862.4	5356.4	4858.5	4382.0	4048.5	3795.5	3691.9	3715.0
12.5°	6598.5	6504.9	6166.4	5561.7	4796.1	4120.8	3613.1	3353.5	3197.4	3072.5	3113.6
15°	6680.7	6549.2	6031.7	5159.2	4181.6	3496.4	3121.8	2914.8	2789.9	2707.8	2722.5
17.5°	6776.0	6587.0	5829.6	4648.2	3596.7	3064.3	2758.7	2633.8	2609.2	2599.3	2605.9
20°	6909.1	6621.5	5563.4	4076.4	3166.2	2719.3	2561.5	2550.0	2548.4	2543.5	2559.9
22.5°	7052.0	6662.6	5211.8	3557.2	2799.8	2504.0	2476.1	2453.1	2438.3	2436.7	2454.7
25°	7221.2	6675.7	4771.4	3131.7	2487.6	2402.1	2369.3	2334.8	2324.9	2324.9	2334.8
27.5°	7385.5	6631.4	4258.8	2762.0	2311.8	2308.5	2265.8	2254.3	2252.6	2257.6	2270.7
30°	7549.8	6547.6	3749.5	2420.2	2209.9	2209.9	2195.1	2203.3	2209.9	2226.3	2237.8
32.5°	7771.7	6458.9	3323.9	2167.2	2121.2	2104.8	2119.5	2136.0	2142.5	2163.9	2182.0
35°	8097.0	6396.4	2985.4	2029.2	2029.2	2007.8	2016.0	2012.7	1998.0	1988.1	2011.1
37.5°	8527.5	6393.1	2706.1	1965.1	1952.0	1948.7	1950.3	1928.9	1871.4	1802.4	1804.1
40°	9045.0	6481.9	2490.9	1920.7	1910.9	1930.6	1920.7	1863.2	1705.5	1585.5	1582.3
42.5°	9740.0	6734.9	2352.9	1866.5	1896.1	1920.7	1881.3	1682.5	1575.7	1495.2	1491.9
45°	10558.3	7145.7	2282.2	1809.0	1868.2	1897.7	1707.1	1620.1	1534.6	1437.7	1431.1
47.5°	11485.0	7663.2	2265.8	1754.8	1805.7	1823.8	1633.2	1593.8	1496.8	1391.7	1383.5
50°	12493.8	8276.1	2310.1	1690.7	1715.4	1652.9	1608.6	1572.4	1472.2	1368.7	1357.2
52.5°	13537.1	8951.4	2398.9	1603.6	1625.0	1556.0	1598.7	1567.5	1457.4	1317.7	1307.9
55°	14562.4	9631.6	2484.3	1501.8	1533.0	1468.9	1570.8	1547.8	1390.0	1232.3	1224.1
57.5°	15604.1	10308.5	2568.1	1411.4	1444.2	1385.1	1526.4	1495.2	1314.4	1153.4	1150.1
60°	16686.9	10965.8	2607.5	1324.3	1347.3	1307.9	1459.0	1404.8	1229.0	1072.9	1068.0
62.5°	17700.7	11512.9	2543.5	1237.2	1252.0	1235.6	1370.3	1298.0	1143.6	982.5	980.9
65°	18717.7	11838.2	2346.3	1151.8	1155.1	1146.9	1245.4	1183.0	1043.3	903.7	893.8
67.5°	19639.5	12020.6	2032.5	1059.8	1051.6	1048.3	1128.8	1058.1	946.4	824.8	815.0
70°	19835.0	11557.3	1552.7	951.3	951.3	943.1	1000.6	928.3	839.6	741.0	737.7
72.5°	18116.3	9722.0	1102.5	828.1	841.2	824.8	872.5	811.7	731.2	665.4	645.7
75°	14608.4	7129.2	801.8	701.6	724.6	696.7	741.0	698.3	629.3	627.6	565.2
77.5°	10037.4	4408.3	581.6	578.4	594.8	558.6	609.6	586.6	524.1	496.2	465.0
80°	4283.4	1758.1	423.9	446.9	446.9	414.1	473.2	479.8	425.6	412.4	412.4
82.5°	852.7	499.5	297.4	307.3	289.2	279.3	335.2	371.3	512.6	570.1	571.8
85°	256.3	184.0	179.1	167.6	147.9	149.5	197.2	373.0	460.1	262.9	226.7
87.5°	70.7	46.0	47.6	37.8	31.2	41.1	67.4	282.6	154.4	65.7	55.9
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)