

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: P941945

Luminaire Tested: **GALN-SB5D-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941945
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-SB5D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42075 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 364.9
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



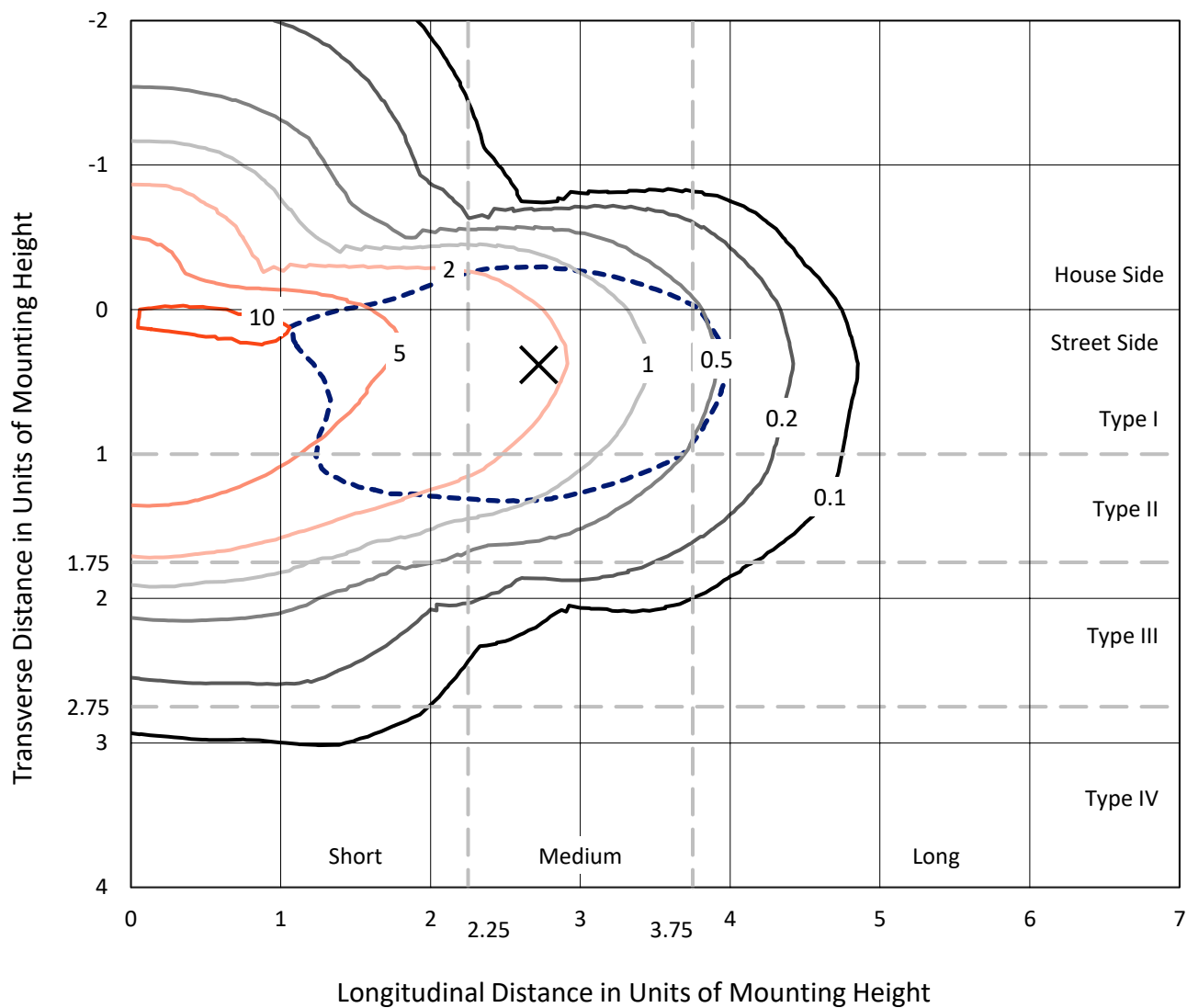
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Iso-Footcandle Lines of Horizontal Illumination

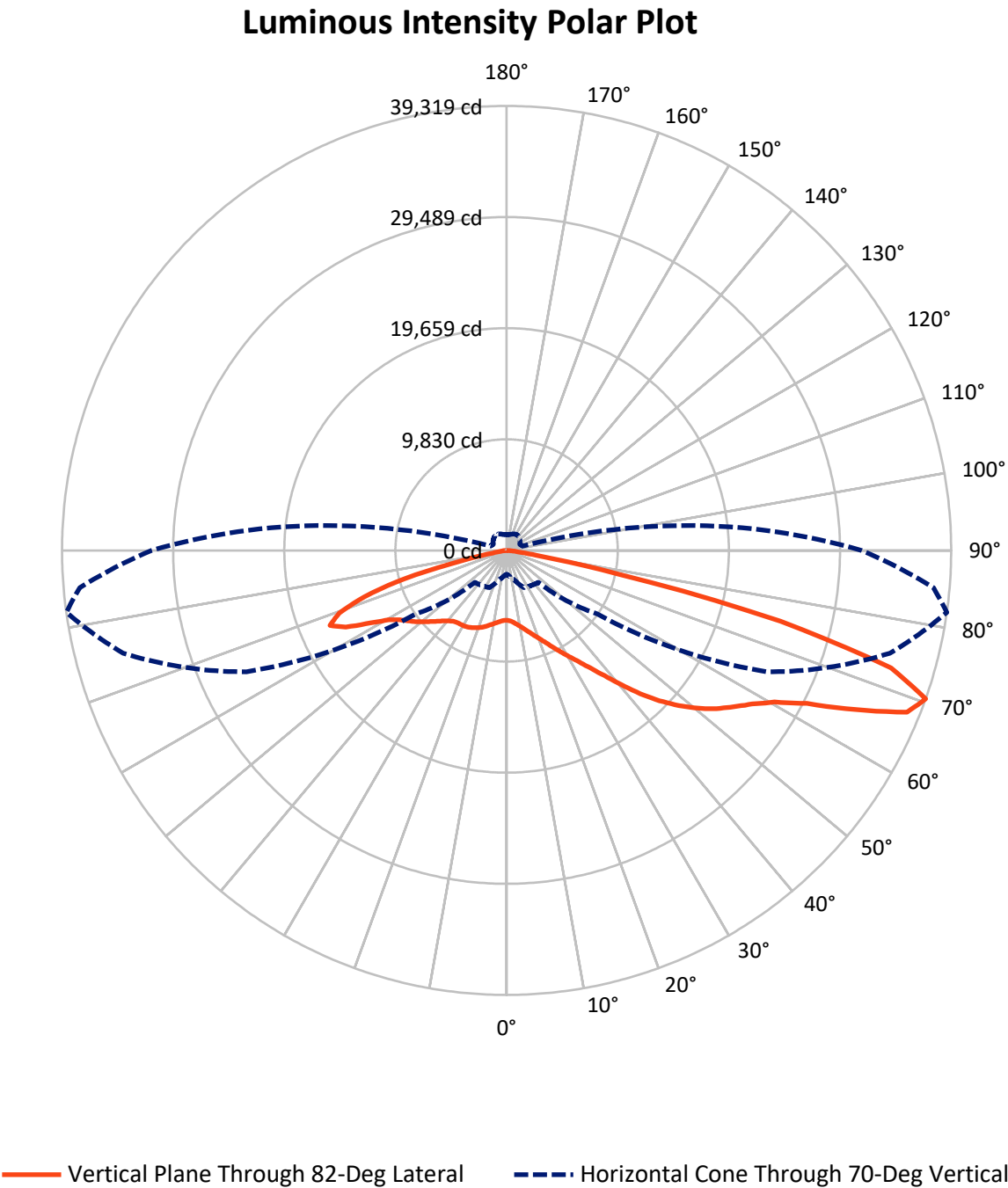
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10372.5	0.0	10372.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	31702.5	0.0	31702.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	42075.0	0.0	42075.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.4	1.4
10°-20°	1673.4	4.0
20°-30°	2799.4	6.7
30°-40°	4373.4	10.4
40°-50°	6965.1	16.6
50°-60°	9692.8	23.0
60°-70°	10139.1	24.1
70°-80°	5299.2	12.6
80°-90°	550.3	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°	42075.0	100.0
0°-180°	42075.0	100.0

Coefficient of Utilization



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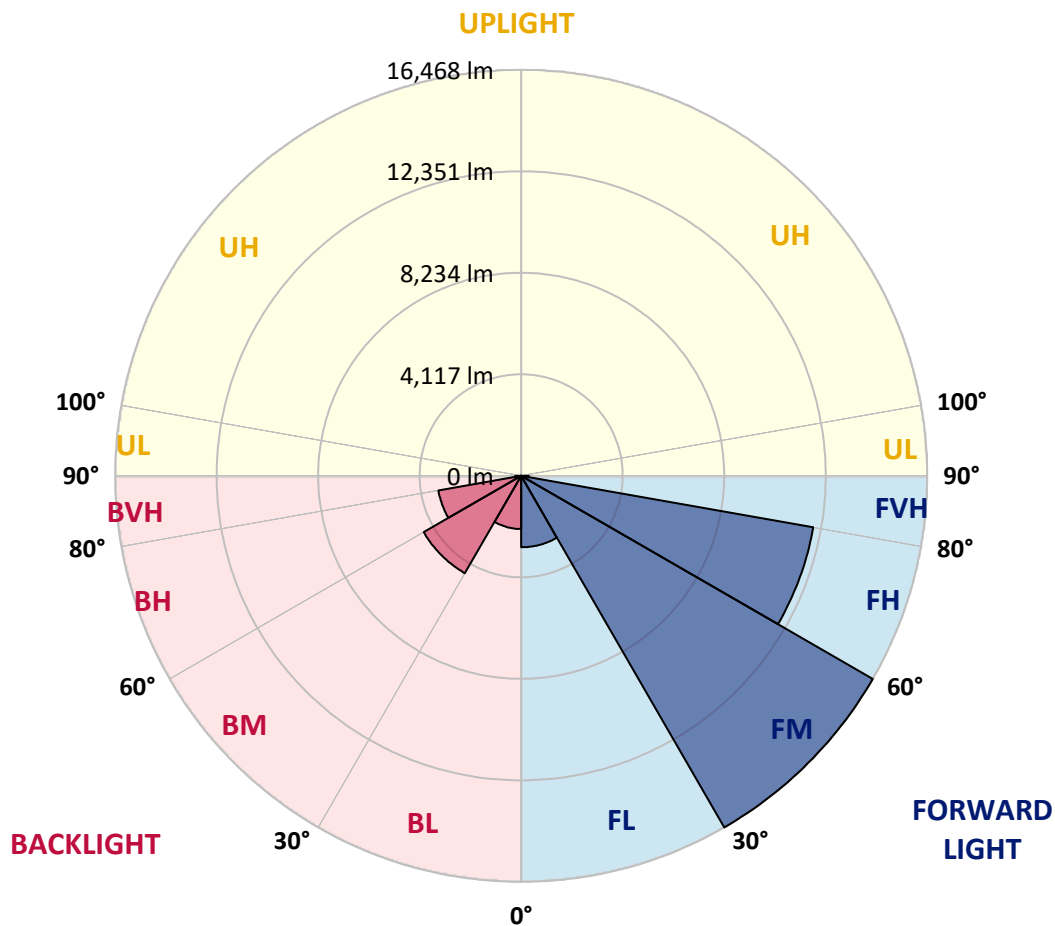
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2897.3	6.9			
FM	(30°-60°)	16467.7	39.1			
FH	(60°-80°)	12029.4	28.6			G5
FVH	(80°-90°)	308.0	0.7			G3/500
BL	(0°-30°)	2157.9	5.1	B3/2500		
BM	(30°-60°)	4563.5	10.8	B3/5000		
BH	(60°-80°)	3408.9	8.1	B4/5000		G4/5000
BVH	(80°-90°)	242.2	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7
2.5°	6316.1	6351.8	6340.6	6329.5	6329.5	6313.8	6311.6	6289.3	6271.4	6242.4	6235.7
5°	6396.4	6434.4	6429.9	6438.9	6467.9	6474.6	6481.3	6467.9	6432.2	6396.4	6380.8
7.5°	6325.0	6367.4	6380.8	6434.4	6523.7	6604.1	6664.4	6688.9	6655.4	6604.1	6579.5
10°	6083.9	6130.8	6177.7	6304.9	6463.4	6653.2	6813.9	6910.0	6903.3	6854.1	6811.7
12.5°	5594.9	5644.1	5744.5	5992.3	6282.6	6617.5	6916.6	7117.6	7186.8	7151.1	7077.4
15°	5204.2	5246.7	5322.6	5577.1	5954.4	6463.4	6954.6	7345.3	7521.7	7501.6	7412.3
17.5°	5193.1	5210.9	5257.8	5378.4	5668.6	6222.3	6914.4	7568.6	7905.7	7903.5	7791.8
20°	5389.5	5396.2	5423.0	5447.6	5612.8	6039.2	6811.7	7753.9	8336.6	8336.6	8216.0
22.5°	5661.9	5657.5	5684.2	5661.9	5742.3	6023.6	6747.0	7916.9	8816.6	8852.3	8700.5
25°	6070.5	6048.2	6041.5	5990.1	6005.7	6168.7	6818.4	8102.2	9385.9	9459.6	9269.8
27.5°	6615.2	6579.5	6555.0	6436.6	6396.4	6467.9	7037.2	8325.4	10020.0	10147.2	9906.1
30°	7325.2	7260.5	7224.7	7019.3	6874.2	6885.4	7367.6	8622.4	10683.1	10888.5	10582.6
32.5°	8294.2	8193.7	8097.7	7760.6	7494.9	7407.8	7794.1	9033.2	11402.0	11730.2	11337.2
35°	9379.2	9298.9	9196.1	8676.0	8267.4	8066.4	8370.1	9607.0	12243.7	12763.9	12252.6
37.5°	10424.1	10354.9	10404.0	9703.0	9176.1	8883.6	9124.7	10377.2	13281.8	14049.9	13400.2
40°	11504.7	11451.1	11457.8	10788.0	10174.0	9845.8	10040.1	11343.9	14471.8	15579.2	14779.9
42.5°	12679.0	12638.8	12504.9	11911.0	11221.1	10915.3	11093.9	12460.2	15748.9	17320.6	16293.6
45°	13994.0	13969.5	13844.5	13163.5	12373.2	12029.3	12270.5	13692.6	17032.6	18959.4	17814.1
47.5°	15130.4	15150.5	15134.9	14561.1	13741.8	13237.2	13525.2	14978.6	18227.1	20499.9	19272.0
50°	15677.4	15782.4	15936.4	15757.8	15248.8	14735.3	14791.1	16220.0	19365.7	21944.4	20669.6
52.5°	15391.7	15590.4	16010.1	16295.9	16492.3	16385.2	16235.6	17452.4	20437.4	23248.2	21991.3
55°	14326.7	14605.8	15302.4	15992.2	16994.7	17773.9	17970.3	18818.7	21482.2	24395.8	23241.5
57.5°	12386.6	12839.8	13464.9	14860.3	16548.2	18445.9	19993.1	20714.2	22589.6	25621.5	24549.9
60°	9060.0	9667.2	10444.2	12520.5	14985.3	18086.4	21714.4	23625.6	24163.6	27208.9	26253.3
62.5°	5798.1	6173.2	6887.6	8843.4	11676.6	16244.5	22241.3	27264.7	26831.6	29812.1	28807.5
65°	3969.6	4210.7	4864.9	5963.3	7548.5	12091.9	20830.3	29993.0	31069.1	33938.0	33174.5
67.5°	2884.5	3067.6	3625.8	4588.0	4918.5	7155.5	16164.1	29868.0	35188.3	38188.9	37001.2
70°	2103.1	2232.6	2701.5	3625.8	3784.3	3980.8	9792.3	25389.3	35099.0	39318.6	37896.4
72.5°	1558.4	1647.7	1962.5	2813.1	3063.2	2688.1	4847.0	18452.6	30160.4	35563.4	34422.5
75°	1127.5	1194.5	1426.6	2152.2	2451.4	2047.3	2417.9	10783.5	21038.0	25016.5	25217.4
77.5°	861.8	913.1	1065.0	1576.2	1962.5	1536.0	1500.3	4960.9	9975.3	10024.5	10587.1
80°	692.1	725.6	808.2	1109.6	1504.8	1149.8	977.9	2002.7	3152.5	2668.0	2799.7
82.5°	509.0	564.9	683.2	779.2	1076.1	792.6	596.1	1011.4	1198.9	1031.5	1040.4
85°	290.2	328.2	413.0	558.2	687.6	484.5	341.6	448.8	558.2	457.7	408.6
87.5°	102.7	134.0	145.1	218.8	299.2	200.9	131.7	129.5	183.1	136.2	113.9
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°	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7	6168.7
2.5°	6213.4	6202.2	6157.6	6097.3	6034.8	5974.5	5954.4	5912.0	5882.9	5867.3	5885.2
5°	6338.4	6302.7	6197.7	6063.8	5923.1	5771.3	5664.1	5565.9	5494.5	5427.5	5454.3
7.5°	6517.0	6454.5	6273.7	6039.2	5789.2	5536.9	5349.4	5206.5	5110.5	5047.9	5061.3
10°	6724.6	6628.6	6351.8	6001.3	5615.0	5253.3	5032.3	4909.5	4849.2	4815.8	4824.7
12.5°	6963.5	6827.3	6432.2	5914.2	5349.4	4936.3	4784.5	4748.8	4751.0	4753.2	4757.7
15°	7258.2	7068.5	6496.9	5724.4	5003.3	4693.0	4666.2	4724.2	4784.5	4813.5	4811.3
17.5°	7590.9	7323.0	6508.1	5411.9	4663.9	4536.7	4621.5	4746.5	4838.1	4878.3	4887.2
20°	7948.1	7582.0	6427.7	4969.8	4384.9	4409.4	4561.2	4722.0	4822.5	4873.8	4887.2
22.5°	8356.7	7858.8	6235.7	4505.4	4157.1	4271.0	4449.6	4605.9	4710.8	4762.2	4775.6
25°	8823.3	8169.1	5934.3	4114.7	3960.7	4114.7	4293.3	4422.8	4507.7	4554.5	4567.9
27.5°	9341.3	8492.9	5532.4	3804.4	3788.8	3954.0	4101.3	4201.8	4246.4	4282.2	4295.6
30°	9861.5	8787.6	5045.7	3570.0	3639.2	3795.4	3900.4	3945.0	3958.4	3965.1	3980.8
32.5°	10424.1	9042.1	4534.4	3375.7	3496.3	3641.4	3703.9	3724.0	3661.5	3619.1	3632.5
35°	11105.0	9314.5	4034.3	3221.7	3355.6	3480.7	3500.7	3482.9	3409.2	3322.1	3326.6
37.5°	11946.7	9653.8	3634.7	3112.3	3223.9	3306.5	3281.9	3277.5	3284.2	3181.5	3188.2
40°	12978.2	10095.9	3342.2	3027.4	3116.7	3134.6	3065.4	3103.3	3136.8	2980.5	2985.0
42.5°	14123.5	10629.5	3156.9	2969.4	3027.4	2985.0	2877.8	2920.3	2915.8	2710.4	2708.2
45°	15291.2	11210.0	3092.2	2927.0	2944.8	2860.0	2741.7	2752.8	2659.0	2473.7	2480.4
47.5°	16452.2	11832.9	3132.4	2891.2	2842.1	2746.1	2654.6	2605.5	2467.0	2328.6	2328.6
50°	17590.8	12487.0	3279.7	2819.8	2701.5	2645.7	2578.7	2491.6	2344.2	2225.9	2217.0
52.5°	18646.8	13145.6	3444.9	2701.5	2525.1	2558.6	2516.2	2415.7	2270.6	2150.0	2152.2
55°	19647.0	13804.3	3509.7	2538.5	2359.9	2482.7	2458.1	2272.8	2098.7	2000.4	1991.5
57.5°	20736.5	14596.9	3438.2	2330.9	2225.9	2395.6	2301.8	2096.4	1996.0	1922.3	1915.6
60°	22245.8	15840.4	3284.2	2074.1	2098.7	2266.1	2105.4	2020.5	1911.1	1828.5	1824.0
62.5°	24753.0	18160.1	3036.4	1819.6	1949.1	2074.1	2011.6	1926.7	1815.1	1734.7	1734.7
65°	28459.2	21384.0	2569.7	1620.9	1781.6	1886.6	1911.1	1826.3	1710.2	1625.3	1629.8
67.5°	31584.8	23406.8	1944.6	1455.7	1609.7	1734.7	1804.0	1721.3	1598.6	1515.9	1518.2
70°	31412.9	21937.7	1484.7	1292.7	1457.9	1585.2	1674.5	1609.7	1478.0	1399.9	1406.5
72.5°	27901.0	18352.1	1201.1	1127.5	1303.8	1428.9	1536.0	1486.9	1353.0	1277.1	1277.1
75°	20497.7	13027.3	960.0	960.0	1111.8	1265.9	1384.2	1353.0	1230.2	1176.6	1161.0
77.5°	8640.2	5465.4	752.4	797.0	924.3	1087.3	1234.6	1245.8	1138.6	1205.6	1094.0
80°	2297.4	1507.0	573.8	627.4	725.6	897.5	1073.9	1069.4	953.3	890.8	828.3
82.5°	875.2	593.9	408.6	442.1	524.7	687.6	850.6	877.4	761.3	658.6	658.6
85°	337.1	254.5	252.3	265.7	305.9	455.5	643.0	665.3	573.8	486.7	502.3
87.5°	87.1	75.9	93.8	89.3	140.7	243.4	368.4	381.8	350.5	203.2	290.2
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)