

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: P950548

Luminaire Tested: **GALN-SB5A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950548
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-SB5A-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18605 lumens
Efficiency: N/A
Efficacy: 131.3 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): 141.7
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



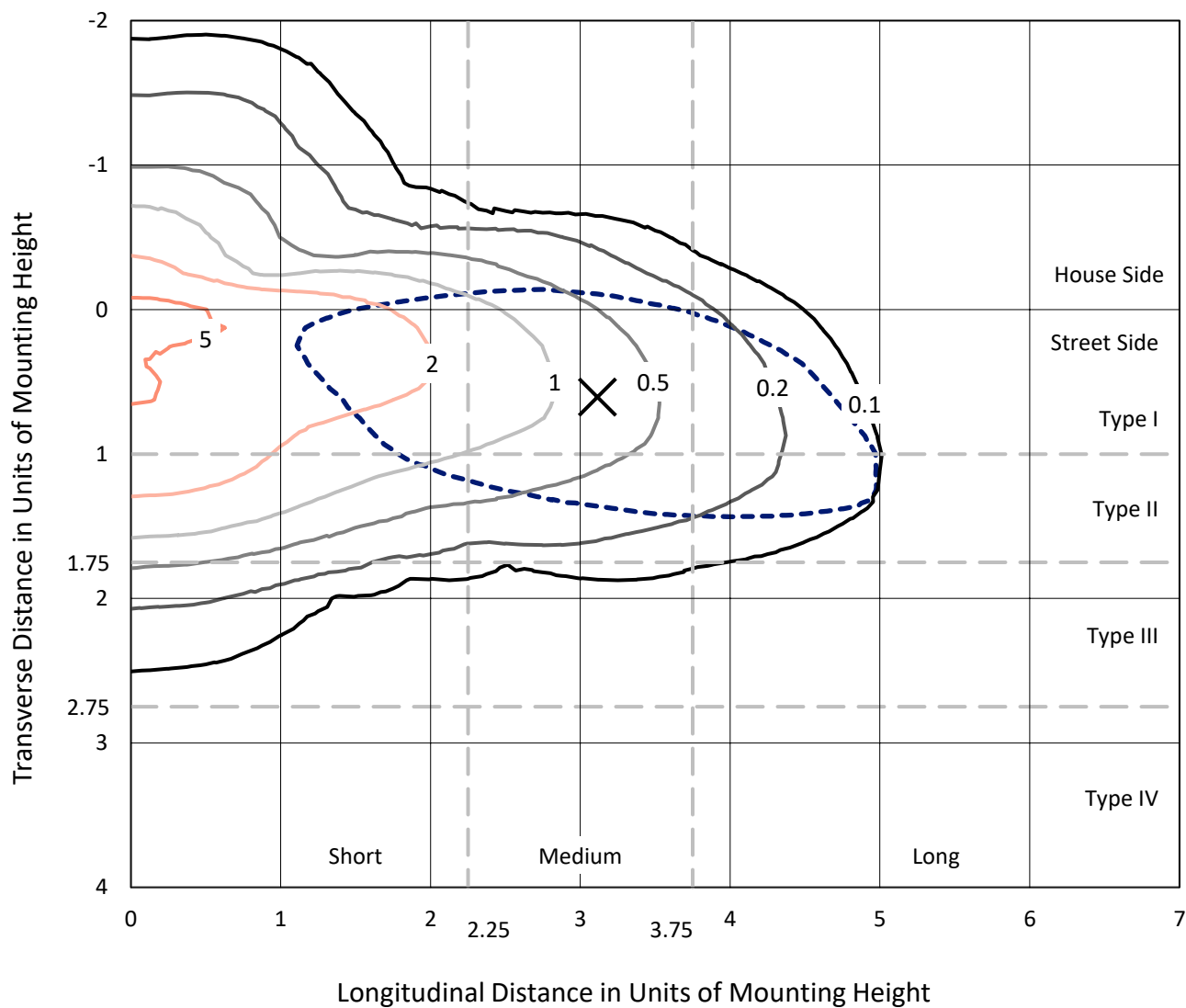
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

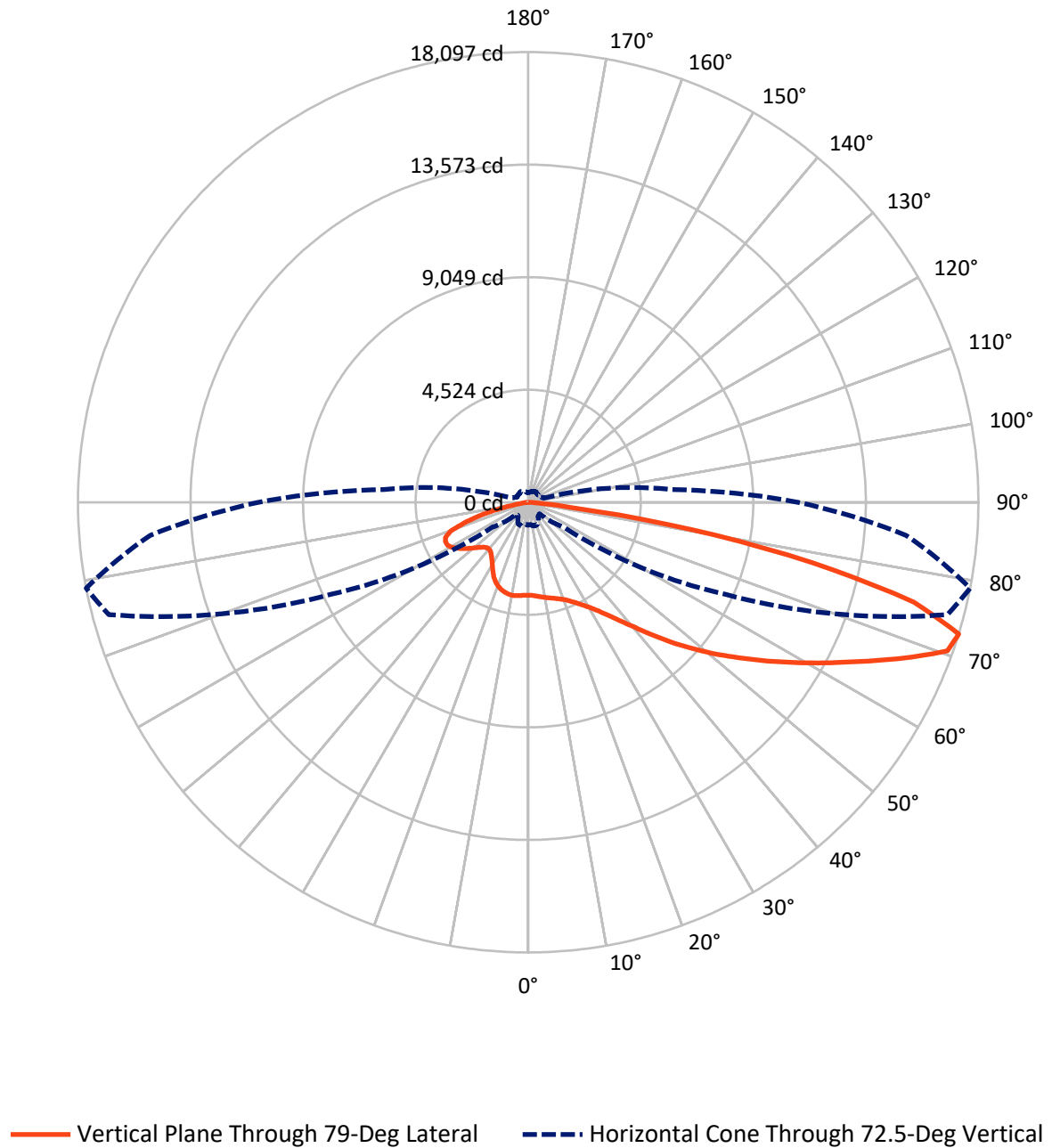
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4094.1	0.0	4094.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	14510.9	0.0	14510.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	18605.0	0.0	18605.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.0	1.8
10°-20°	886.3	4.8
20°-30°	1430.2	7.7
30°-40°	2146.5	11.5
40°-50°	3045.0	16.4
50°-60°	3845.4	20.7
60°-70°	3905.5	21.0
70°-80°	2661.8	14.3
80°-90°	345.3	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°	18605.0	100.0
0°-180°	18605.0	100.0

Coefficient of Utilization



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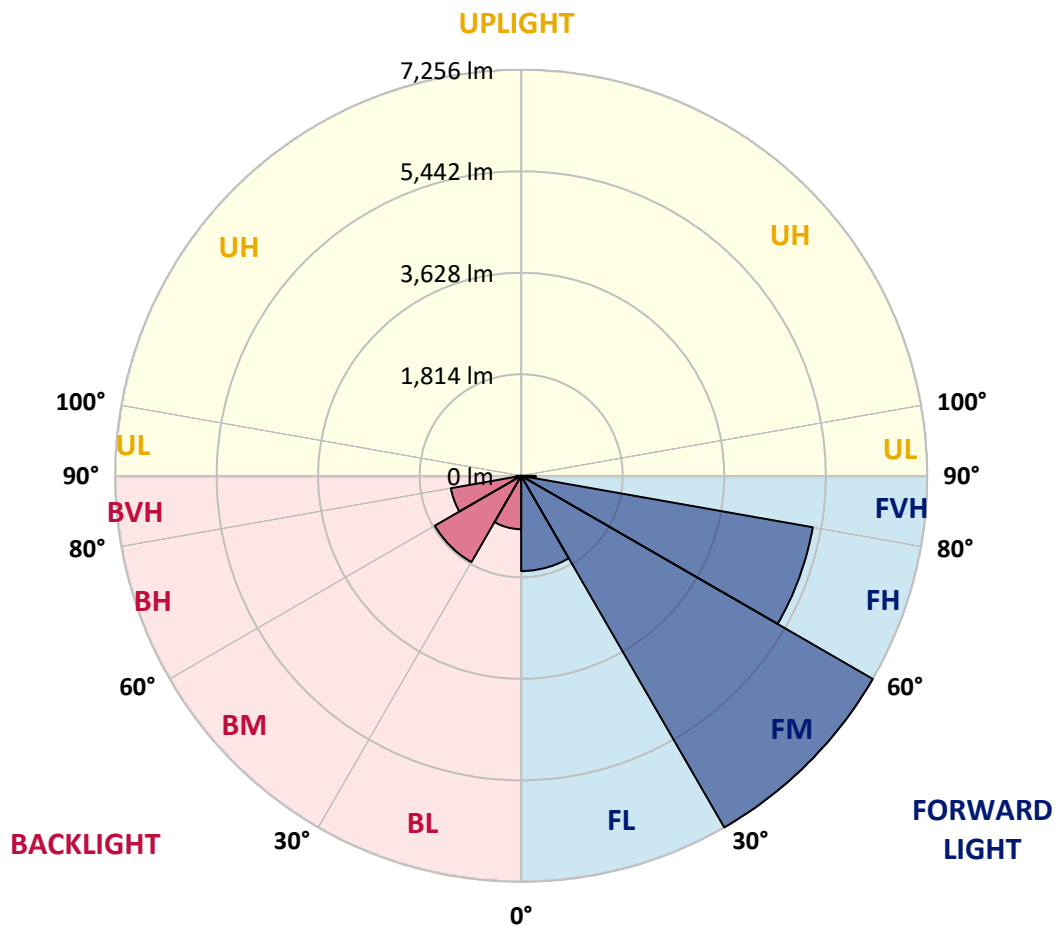
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1701.9	9.1			
FM	(30°-60°)	7256.3	39.0			
FH	(60°-80°)	5292.5	28.4			G3/7500
FVH	(80°-90°)	260.1	1.4			G3/500
BL	(0°-30°)	953.6	5.1	B2/1000		
BM	(30°-60°)	1780.5	9.6	B2/2500		
BH	(60°-80°)	1274.8	6.9	B3/2500		G3/2500
BVH	(80°-90°)	85.2	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8
2.5°	3736.7	3719.0	3729.9	3725.9	3730.8	3736.7	3738.7	3741.7	3751.5	3750.5	3749.5
5°	3728.9	3711.2	3725.9	3721.0	3733.8	3747.6	3759.4	3770.2	3786.0	3792.8	3783.0
7.5°	3712.1	3700.3	3715.1	3729.9	3753.5	3774.1	3790.9	3815.5	3838.1	3842.0	3848.9
10°	3614.7	3605.9	3640.3	3678.7	3743.6	3799.7	3836.1	3864.7	3889.3	3893.2	3903.1
12.5°	3513.3	3502.5	3540.9	3593.1	3698.4	3799.7	3876.5	3913.9	3935.5	3948.3	3963.1
15°	3496.6	3487.8	3509.4	3554.7	3642.3	3773.2	3904.0	3972.9	3991.6	4006.4	4012.3
17.5°	3577.3	3560.6	3569.4	3585.2	3636.4	3748.6	3925.7	4039.9	4068.4	4084.1	4084.1
20°	3764.3	3740.7	3726.9	3695.4	3686.6	3752.5	3923.7	4120.6	4158.0	4177.6	4182.6
22.5°	4013.3	3997.5	3968.0	3888.3	3801.7	3800.7	3961.1	4223.9	4293.8	4312.5	4300.7
25°	4314.4	4290.8	4253.4	4145.2	3978.8	3896.2	4024.1	4355.8	4472.9	4477.8	4443.4
27.5°	4660.8	4625.4	4574.2	4431.5	4207.2	4045.8	4120.6	4507.3	4678.6	4676.6	4605.7
30°	5026.0	4990.5	4936.4	4763.2	4480.7	4247.5	4254.4	4670.7	4922.6	4911.8	4790.7
32.5°	5292.7	5266.1	5255.3	5121.4	4795.7	4485.7	4407.9	4851.8	5223.8	5213.9	5044.7
35°	5497.4	5462.9	5475.7	5407.8	5139.1	4752.4	4595.9	5067.3	5589.9	5588.9	5378.3
37.5°	5700.1	5669.6	5680.4	5635.1	5457.0	5090.9	4825.2	5331.0	6043.5	6065.2	5781.8
40°	5885.1	5852.6	5895.9	5853.6	5704.0	5451.1	5086.0	5629.2	6569.1	6610.4	6269.9
42.5°	5996.3	5970.7	6042.6	6043.5	5918.6	5755.2	5372.4	5957.9	7177.3	7269.8	6870.2
45°	6034.7	6025.8	6134.1	6156.7	6108.5	5931.4	5630.2	6316.2	7832.7	7998.0	7554.2
47.5°	5993.4	5976.6	6126.2	6209.9	6248.2	6014.0	5843.8	6703.9	8501.9	8744.0	8300.2
50°	5784.7	5752.2	5974.7	6150.8	6287.6	6068.2	6059.3	7151.7	9262.6	9527.4	9050.1
52.5°	5409.8	5385.2	5638.1	5944.2	6201.0	6094.7	6301.4	7640.8	9985.0	10327.5	9818.7
55°	4930.5	4898.0	5176.5	5576.1	5985.5	6085.9	6543.5	8188.0	10837.2	11184.6	10612.9
57.5°	4170.7	4105.8	4458.1	4930.5	5634.1	6075.0	6795.4	8732.2	11703.3	12119.6	11460.2
60°	3062.6	2966.2	3398.2	3958.2	4947.2	5969.7	7107.4	9342.4	12742.5	13117.5	12385.3
62.5°	1783.2	1727.1	2009.6	2532.2	3728.9	5349.7	7282.6	10051.9	13764.1	14157.7	13294.6
65°	1384.7	1368.9	1393.5	1433.9	2075.5	4005.4	6742.3	10743.8	15063.1	15338.7	14242.3
67.5°	1266.6	1254.8	1265.6	1189.8	1053.0	2231.0	5334.0	10918.9	16454.7	16622.0	15072.0
70°	1125.8	1112.1	1147.5	1082.5	828.6	1014.6	3446.4	10283.2	17561.8	17875.8	15702.8
72.5°	917.2	901.5	984.1	954.6	697.7	651.5	1731.1	8772.5	17445.7	18097.2	15251.1
75°	704.6	695.8	794.2	818.8	568.8	512.7	830.6	6520.9	15352.4	16008.9	13144.1
77.5°	547.2	540.3	590.5	680.0	458.6	397.6	510.8	4136.3	11569.4	11684.6	9057.9
80°	410.4	390.7	437.0	526.5	357.2	290.3	346.4	2412.1	7313.1	6629.1	3942.4
82.5°	256.9	247.0	285.4	351.3	251.9	199.8	225.4	1332.5	2930.7	1726.2	760.7
85°	146.6	142.7	155.5	200.8	136.8	115.1	128.9	588.5	535.4	368.1	229.3
87.5°	59.0	57.1	70.9	89.6	50.2	42.3	45.3	141.7	118.1	109.2	75.8
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°	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8	3734.8
2.5°	3745.6	3745.6	3731.8	3710.2	3685.6	3669.8	3644.2	3637.3	3610.8	3602.9	3615.7
5°	3790.9	3783.0	3740.7	3679.7	3596.0	3519.3	3434.6	3381.5	3306.7	3280.1	3299.8
7.5°	3848.0	3826.3	3753.5	3619.6	3444.5	3272.2	3093.1	2957.3	2827.4	2781.2	2787.1
10°	3900.1	3869.6	3745.6	3511.4	3208.3	2910.1	2624.7	2424.9	2273.3	2211.3	2225.1
12.5°	3952.3	3896.2	3693.4	3331.3	2872.7	2468.2	2164.1	2008.6	1915.1	1840.3	1864.9
15°	4001.5	3922.7	3612.7	3090.2	2504.6	2094.2	1869.8	1745.8	1671.1	1621.8	1630.7
17.5°	4058.6	3945.4	3491.7	2784.1	2154.3	1835.4	1652.4	1577.6	1562.8	1556.9	1560.8
20°	4138.3	3966.0	3332.3	2441.6	1896.4	1628.7	1534.3	1527.4	1526.4	1523.4	1533.3
22.5°	4223.9	3990.7	3121.7	2130.6	1677.0	1499.8	1483.1	1469.3	1460.5	1459.5	1470.3
25°	4325.3	3998.5	2857.9	1875.8	1490.0	1438.8	1419.1	1398.5	1392.5	1392.5	1398.5
27.5°	4423.7	3972.0	2550.9	1654.3	1384.7	1382.7	1357.1	1350.2	1349.2	1352.2	1360.1
30°	4522.1	3921.8	2245.8	1449.6	1323.7	1323.7	1314.8	1319.7	1323.7	1333.5	1340.4
32.5°	4654.9	3868.6	1990.9	1298.1	1270.5	1260.7	1269.5	1279.4	1283.3	1296.1	1306.9
35°	4849.8	3831.2	1788.2	1215.4	1215.4	1202.6	1207.5	1205.6	1196.7	1190.8	1204.6
37.5°	5107.6	3829.3	1620.9	1177.0	1169.1	1167.2	1168.2	1155.4	1120.9	1079.6	1080.6
40°	5417.6	3882.4	1491.9	1150.4	1144.5	1156.4	1150.4	1116.0	1021.5	949.7	947.7
42.5°	5833.9	4034.0	1409.3	1118.0	1135.7	1150.4	1126.8	1007.8	943.8	895.6	893.6
45°	6324.0	4280.0	1367.0	1083.5	1119.0	1136.7	1022.5	970.4	919.2	861.1	857.2
47.5°	6879.1	4590.0	1357.1	1051.1	1081.6	1092.4	978.2	954.6	896.5	833.6	828.6
50°	7483.3	4957.1	1383.7	1012.7	1027.4	990.0	963.5	941.8	881.8	819.8	812.9
52.5°	8108.3	5361.5	1436.8	960.5	973.3	932.0	957.6	938.9	872.9	789.3	783.4
55°	8722.4	5769.0	1488.0	899.5	918.2	879.8	940.8	927.1	832.6	738.1	733.2
57.5°	9346.3	6174.4	1538.2	845.4	865.1	829.6	914.3	895.6	787.3	690.9	688.9
60°	9994.8	6568.1	1561.8	793.2	807.0	783.4	873.9	841.4	736.1	642.6	639.7
62.5°	10602.0	6895.8	1523.4	741.1	749.9	740.1	820.8	777.5	685.0	588.5	587.5
65°	11211.2	7090.7	1405.3	689.9	691.8	686.9	746.0	708.6	624.9	541.3	535.4
67.5°	11763.3	7199.9	1217.4	634.8	629.8	627.9	676.1	633.8	566.9	494.0	488.1
70°	11880.4	6922.4	930.0	569.8	569.8	564.9	599.3	556.0	502.9	443.8	441.9
72.5°	10851.0	5823.1	660.4	496.0	503.9	494.0	522.6	486.2	437.9	398.6	386.8
75°	8749.9	4270.1	480.3	420.2	434.0	417.3	443.8	418.3	376.9	375.9	338.5
77.5°	6012.1	2640.4	348.4	346.4	356.3	334.6	365.1	351.3	313.9	297.2	278.5
80°	2565.6	1053.0	253.9	267.7	267.7	248.0	283.4	287.4	254.9	247.0	247.0
82.5°	510.8	299.2	178.1	184.0	173.2	167.3	200.8	222.4	307.0	341.5	342.5
85°	153.5	110.2	107.3	100.4	88.6	89.6	118.1	223.4	275.6	157.5	135.8
87.5°	42.3	27.6	28.5	22.6	18.7	24.6	40.3	169.3	92.5	39.4	33.5
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)