

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: P951976

Luminaire Tested: **GALN-SB6A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951976
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-SB6A-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 22335 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

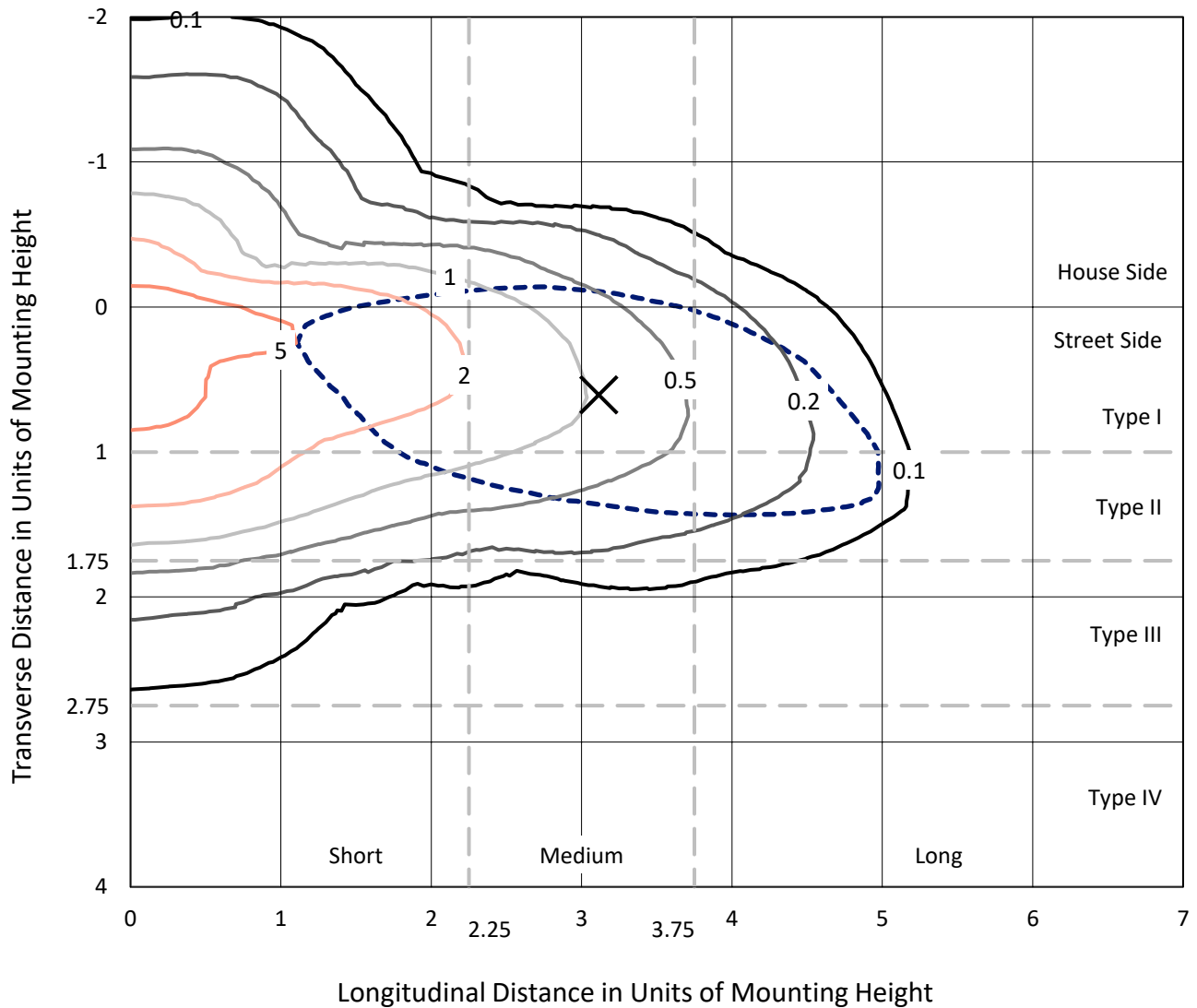
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

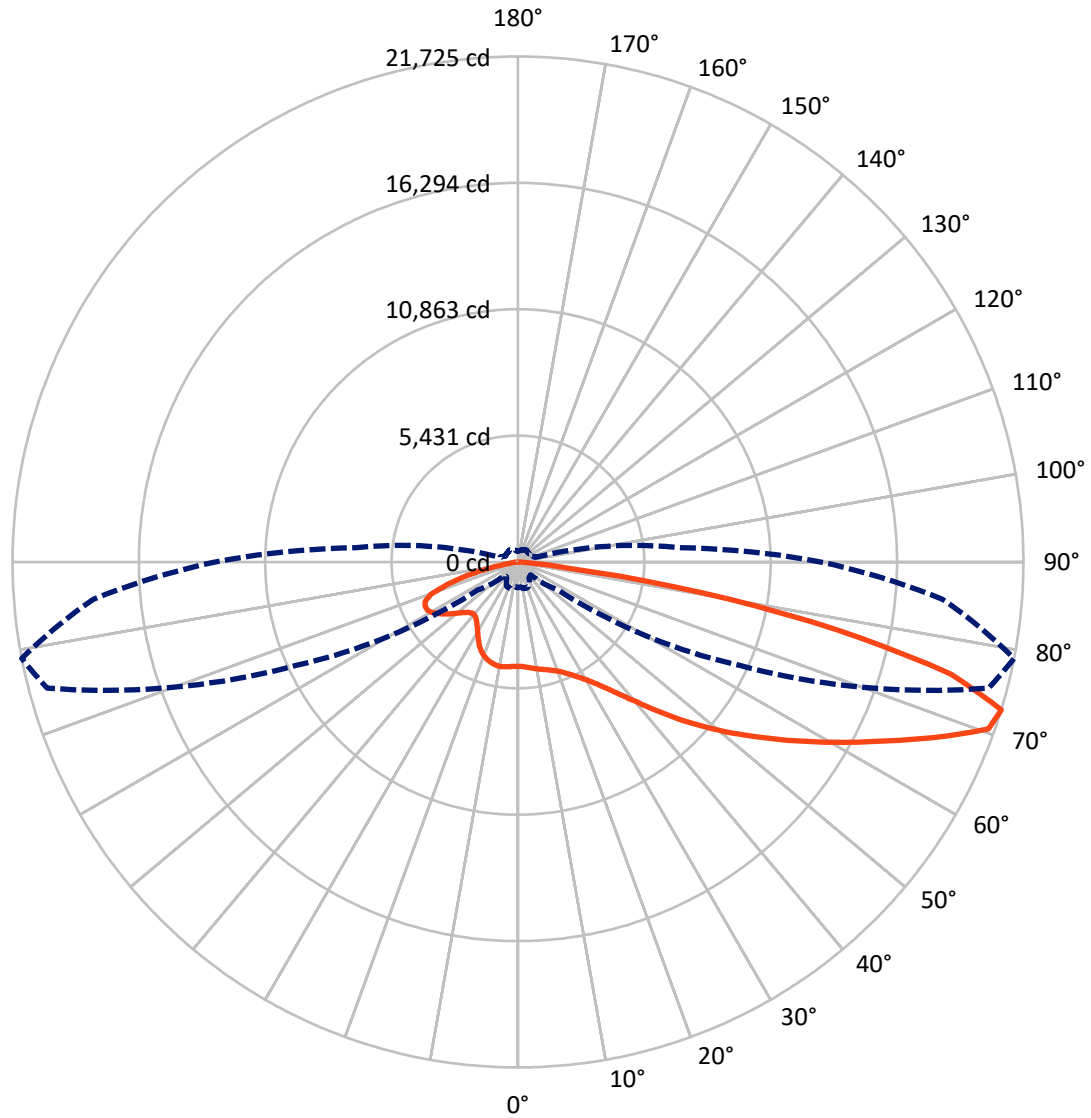
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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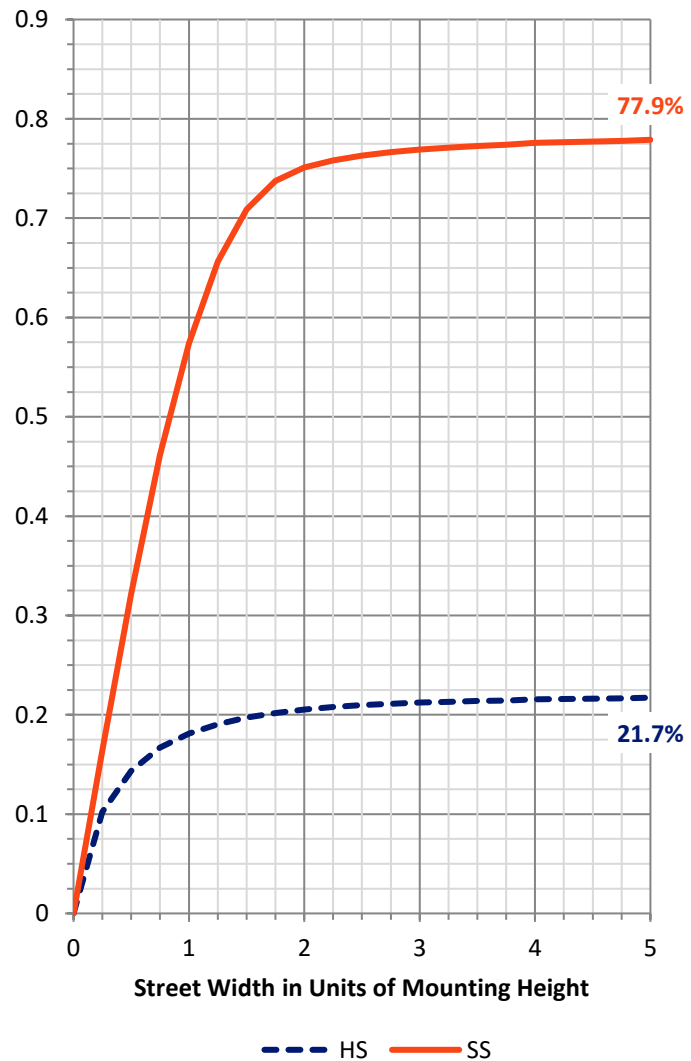
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4914.9	0.0	4914.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	17420.1	0.0	17420.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	22335.0	0.0	22335.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.0	1.8
10°-20°	1064.0	4.8
20°-30°	1716.9	7.7
30°-40°	2576.9	11.5
40°-50°	3655.4	16.4
50°-60°	4616.3	20.7
60°-70°	4688.5	21.0
70°-80°	3195.4	14.3
80°-90°	414.6	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°	22335.0	100.0
0°-180°	22335.0	100.0



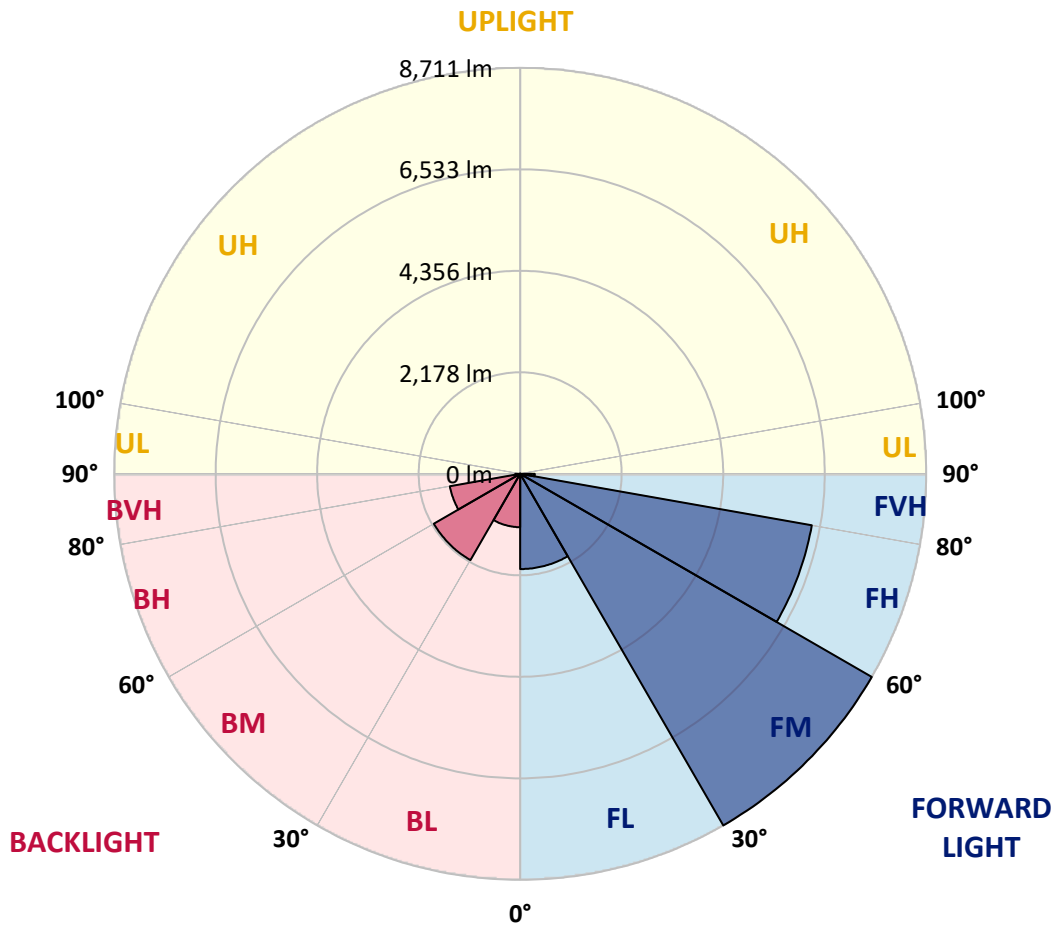
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2043.1	9.1			
FM (30°-60°)	8711.1	39.0			
FH (60°-80°)	6353.6	28.4			G3/7500
FVH (80°-90°)	312.3	1.4			G3/500
BL (0°-30°)	1144.8	5.1	B3/2500		
BM (30°-60°)	2137.5	9.6	B2/2500		
BH (60°-80°)	1530.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	102.3	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5
2.5°	4485.9	4464.6	4477.6	4472.9	4478.8	4485.9	4488.3	4491.8	4503.6	4502.4	4501.3
5°	4476.5	4455.2	4472.9	4467.0	4482.4	4498.9	4513.1	4526.1	4545.0	4553.2	4541.4
7.5°	4456.4	4442.2	4459.9	4477.6	4506.0	4530.8	4550.9	4580.4	4607.6	4612.3	4620.6
10°	4339.4	4328.8	4370.1	4416.2	4494.2	4561.5	4605.2	4639.5	4669.0	4673.7	4685.6
12.5°	4217.7	4204.7	4250.8	4313.4	4439.8	4561.5	4653.7	4698.6	4724.6	4739.9	4757.6
15°	4197.6	4187.0	4213.0	4267.3	4372.5	4529.6	4686.7	4769.4	4791.9	4809.6	4816.7
17.5°	4294.5	4274.4	4285.1	4304.0	4365.4	4500.1	4712.7	4849.8	4884.0	4902.9	4902.9
20°	4519.0	4490.6	4474.1	4436.3	4425.6	4504.8	4710.4	4946.7	4991.6	5015.2	5021.1
22.5°	4817.9	4799.0	4763.5	4667.8	4563.9	4562.7	4755.3	5070.7	5154.6	5177.0	5162.9
25°	5179.4	5151.0	5106.2	4976.2	4776.5	4677.3	4830.9	5229.0	5369.6	5375.5	5334.2
27.5°	5595.3	5552.7	5491.3	5320.0	5050.6	4856.9	4946.7	5411.0	5616.5	5614.2	5529.1
30°	6033.6	5991.0	5926.1	5718.1	5379.1	5099.1	5107.3	5607.1	5909.5	5896.5	5751.2
32.5°	6353.7	6321.8	6308.9	6148.2	5757.1	5385.0	5291.6	5824.5	6271.0	6259.2	6056.0
35°	6599.5	6558.1	6573.5	6492.0	6169.4	5705.1	5517.3	6083.2	6710.5	6709.4	6456.5
37.5°	6842.9	6806.2	6819.2	6764.9	6551.0	6111.6	5792.6	6399.8	7255.2	7281.2	6940.9
40°	7065.0	7026.0	7078.0	7027.2	6847.6	6544.0	6105.6	6757.8	7886.1	7935.7	7526.9
42.5°	7198.5	7167.8	7254.0	7255.2	7105.1	6909.0	6449.4	7152.4	8616.2	8727.2	8247.6
45°	7244.5	7233.9	7363.9	7391.0	7333.2	7120.5	6759.0	7582.4	9403.0	9601.5	9068.7
47.5°	7194.9	7174.8	7354.4	7454.8	7500.9	7219.7	7015.4	8047.9	10206.4	10497.0	9964.2
50°	6944.5	6905.5	7172.5	7384.0	7548.2	7284.7	7274.1	8585.5	11119.6	11437.5	10864.5
52.5°	6494.3	6464.8	6768.4	7135.9	7444.2	7316.6	7564.7	9172.6	11986.8	12398.0	11787.2
55°	5919.0	5880.0	6214.3	6694.0	7185.5	7306.0	7855.3	9829.5	13009.9	13427.0	12740.6
57.5°	5006.9	4928.9	5351.9	5919.0	6763.7	7293.0	8157.8	10482.9	14049.6	14549.3	13757.8
60°	3676.6	3560.8	4079.5	4751.7	5939.1	7166.6	8532.3	11215.3	15297.2	15747.3	14868.3
62.5°	2140.8	2073.4	2412.5	3039.8	4476.5	6422.3	8742.6	12067.2	16523.5	16996.1	15960.0
65°	1662.3	1643.4	1672.9	1721.3	2491.6	4808.4	8094.0	12897.7	18083.0	18413.8	17097.7
67.5°	1520.5	1506.3	1519.3	1428.4	1264.1	2678.3	6403.4	13108.0	19753.6	19954.4	18093.6
70°	1351.6	1335.0	1377.6	1299.6	994.8	1218.1	4137.4	12344.8	21082.7	21459.6	18850.9
72.5°	1101.1	1082.2	1181.4	1146.0	837.6	782.1	2078.1	10531.3	20943.3	21725.4	18308.7
75°	845.9	835.3	953.4	983.0	682.9	615.5	997.1	7828.2	18430.4	19218.4	15779.2
77.5°	656.9	648.6	708.9	816.4	550.5	477.3	613.2	4965.6	13888.9	14027.2	10873.9
80°	492.7	469.0	524.6	632.1	428.9	348.5	415.9	2895.7	8779.2	7958.1	4732.8
82.5°	308.4	296.5	342.6	421.8	302.4	239.8	270.5	1599.7	3518.3	2072.2	913.2
85°	176.0	171.3	186.7	241.0	164.2	138.2	154.8	706.5	642.7	441.9	275.3
87.5°	70.9	68.5	85.1	107.5	60.3	50.8	54.3	170.1	141.8	131.1	91.0
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°	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5	4483.5
2.5°	4496.5	4496.5	4480.0	4454.0	4424.5	4405.6	4374.8	4366.6	4334.7	4325.2	4340.6
5°	4550.9	4541.4	4490.6	4417.4	4317.0	4224.8	4123.2	4059.4	3969.6	3937.7	3961.3
7.5°	4619.4	4593.4	4506.0	4345.3	4135.0	3928.3	3713.2	3550.2	3394.3	3338.7	3345.8
10°	4682.0	4645.4	4496.5	4215.4	3851.5	3493.5	3150.9	2911.1	2729.1	2654.7	2671.2
12.5°	4744.6	4677.3	4433.9	3999.2	3448.6	2963.0	2598.0	2411.3	2299.1	2209.3	2238.8
15°	4803.7	4709.2	4337.0	3709.7	3006.7	2514.1	2244.7	2095.9	2006.1	1947.0	1957.6
17.5°	4872.2	4736.4	4191.7	3342.3	2586.2	2203.4	1983.6	1893.8	1876.1	1869.0	1873.8
20°	4967.9	4761.2	4000.3	2931.1	2276.6	1955.3	1841.9	1833.6	1832.4	1828.9	1840.7
22.5°	5070.7	4790.7	3747.5	2557.8	2013.2	1800.5	1780.4	1763.9	1753.2	1752.1	1765.1
25°	5192.4	4800.2	3430.9	2251.8	1788.7	1727.3	1703.6	1678.8	1671.7	1671.7	1678.8
27.5°	5310.5	4768.3	3062.3	1986.0	1662.3	1659.9	1629.2	1620.9	1619.7	1623.3	1632.7
30°	5428.7	4708.0	2696.0	1740.3	1589.0	1589.0	1578.4	1584.3	1589.0	1600.8	1609.1
32.5°	5588.2	4644.2	2390.0	1558.3	1525.2	1513.4	1524.0	1535.9	1540.6	1555.9	1568.9
35°	5822.1	4599.3	2146.7	1459.1	1459.1	1443.7	1449.6	1447.3	1436.6	1429.5	1446.1
37.5°	6131.6	4597.0	1945.8	1413.0	1403.5	1401.2	1402.4	1387.0	1345.7	1296.0	1297.2
40°	6503.8	4660.8	1791.1	1381.1	1374.0	1388.2	1381.1	1339.7	1226.3	1140.1	1137.7
42.5°	7003.5	4842.7	1691.8	1342.1	1363.4	1381.1	1352.7	1209.8	1133.0	1075.1	1072.7
45°	7591.9	5138.1	1641.0	1300.8	1343.3	1364.6	1227.5	1164.9	1103.5	1033.8	1029.0
47.5°	8258.2	5510.2	1629.2	1261.8	1298.4	1311.4	1174.3	1146.0	1076.3	1000.7	994.8
50°	8983.6	5950.9	1661.1	1215.7	1233.4	1188.5	1156.6	1130.6	1058.6	984.1	975.9
52.5°	9733.8	6436.4	1724.9	1153.1	1168.4	1118.8	1149.5	1127.1	1047.9	947.5	940.4
55°	10471.0	6925.6	1786.3	1079.8	1102.3	1056.2	1129.5	1112.9	999.5	886.1	880.2
57.5°	11220.1	7412.3	1846.6	1014.9	1038.5	995.9	1097.6	1075.1	945.1	829.4	827.0
60°	11998.6	7884.9	1874.9	952.2	968.8	940.4	1049.1	1010.1	883.7	771.5	767.9
62.5°	12727.6	8278.3	1828.9	889.6	900.3	888.4	985.3	933.3	822.3	706.5	705.3
65°	13458.9	8512.2	1687.1	828.2	830.5	824.6	895.5	850.6	750.2	649.8	642.7
67.5°	14121.7	8643.4	1461.4	762.0	756.1	753.8	811.6	760.8	680.5	593.1	586.0
70°	14262.3	8310.2	1116.5	684.0	684.0	678.1	719.5	667.5	603.7	532.8	530.5
72.5°	13026.5	6990.5	792.7	595.4	604.9	593.1	627.3	583.6	525.7	478.5	464.3
75°	10504.1	5126.2	576.5	504.5	521.0	500.9	532.8	502.1	452.5	451.3	406.4
77.5°	7217.4	3169.8	418.2	415.9	427.7	401.7	438.3	421.8	376.9	356.8	334.3
80°	3080.0	1264.1	304.8	321.3	321.3	297.7	340.3	345.0	306.0	296.5	296.5
82.5°	613.2	359.2	213.8	220.9	207.9	200.8	241.0	267.0	368.6	410.0	411.1
85°	184.3	132.3	128.8	120.5	106.3	107.5	141.8	268.2	330.8	189.0	163.0
87.5°	50.8	33.1	34.3	27.2	22.4	29.5	48.4	203.2	111.1	47.3	40.2
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)