

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: P528208

Luminaire Tested: **GALN-SA3B-735-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-735-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13387 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

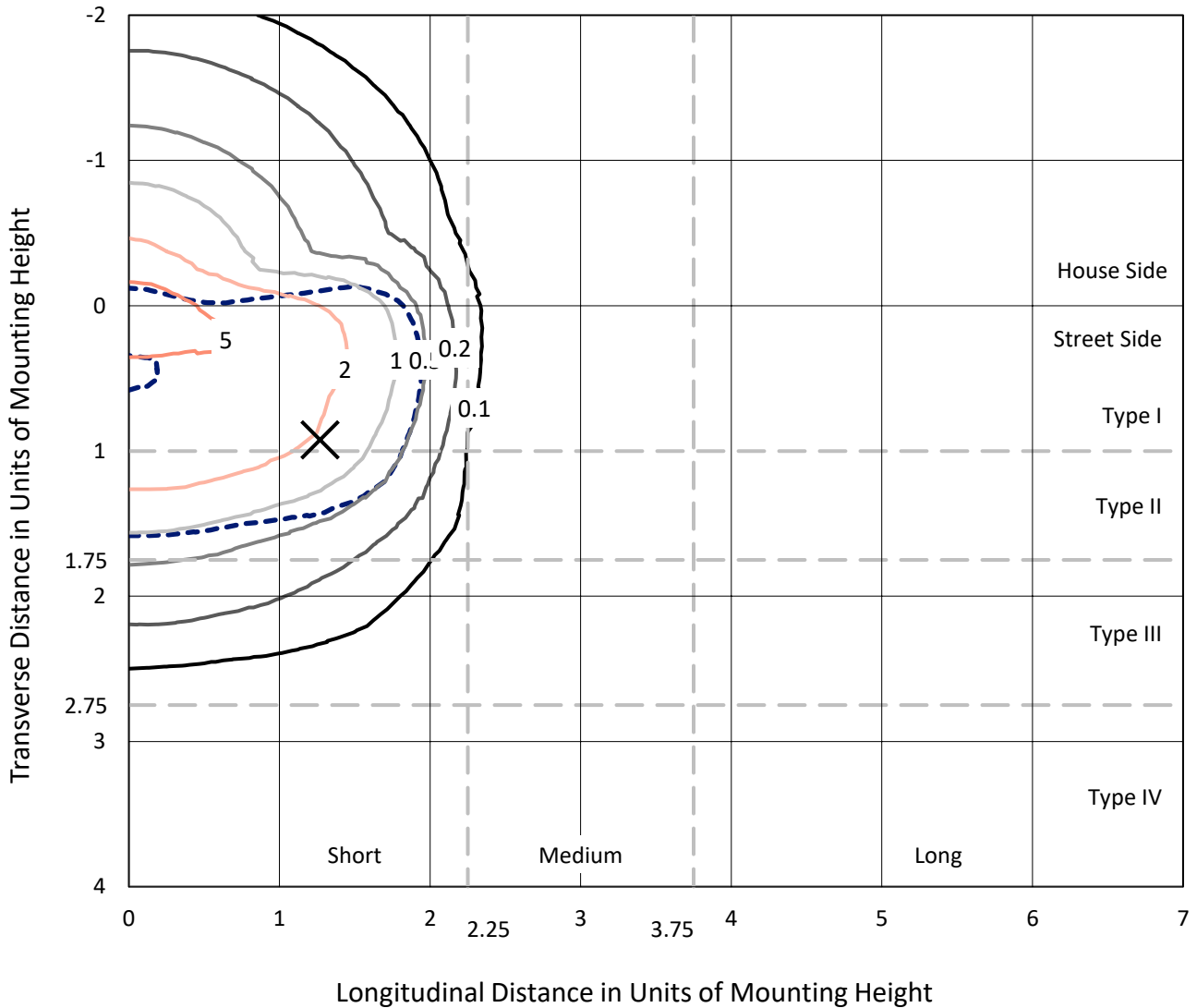
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

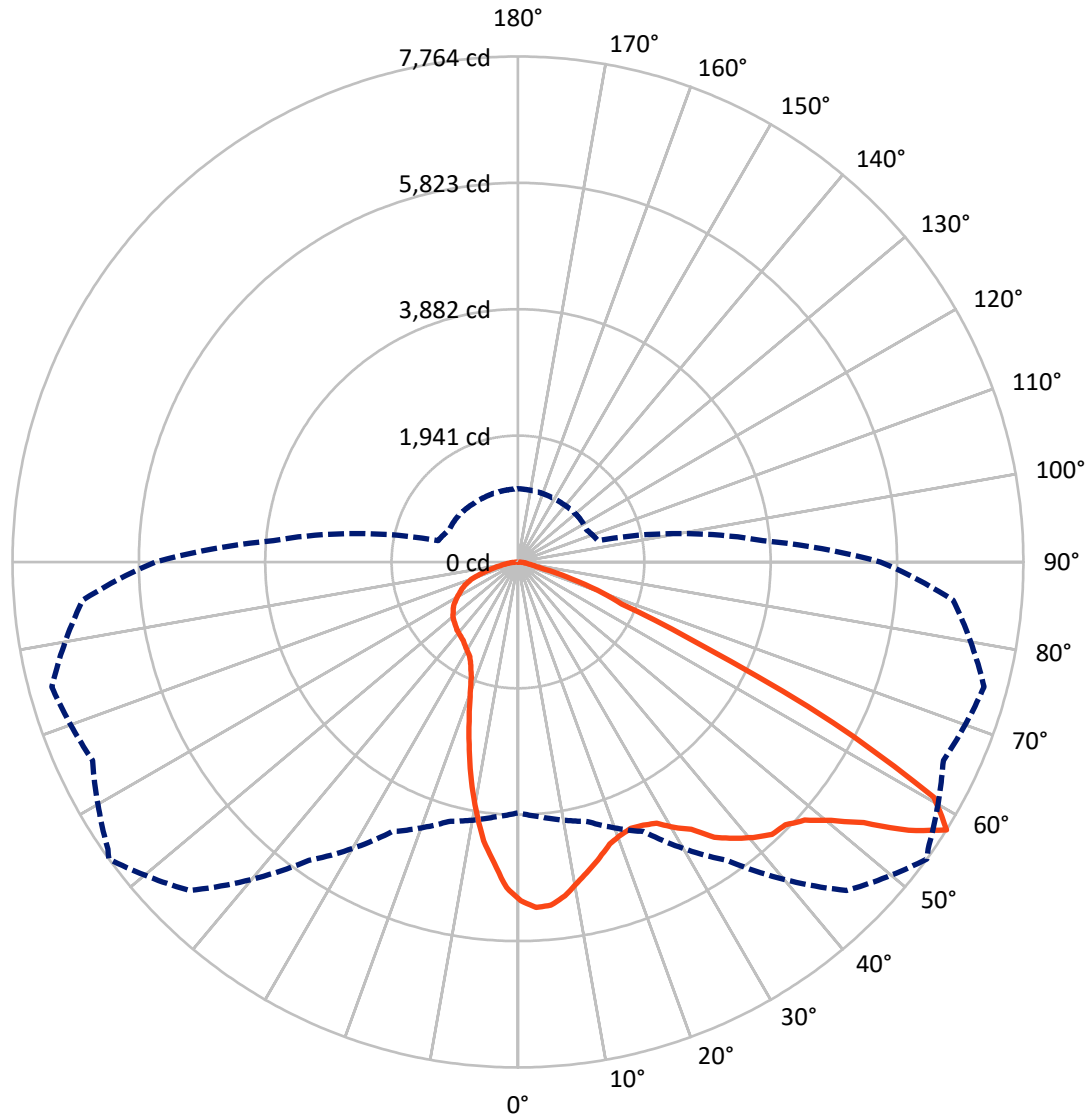
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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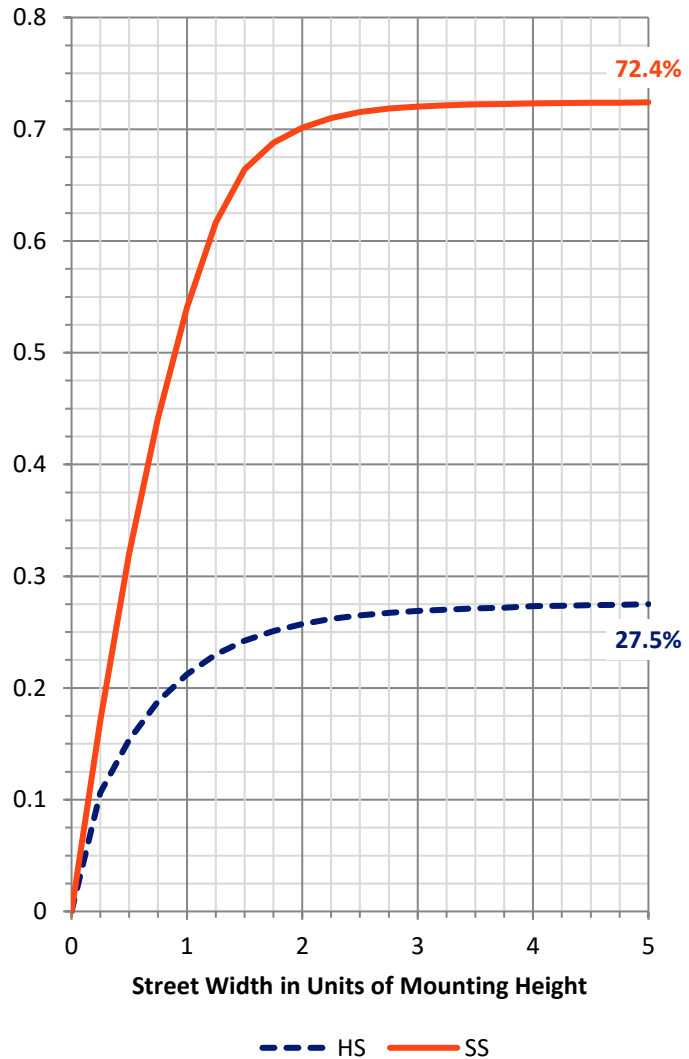
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3703.6	0.0	3703.6
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	9683.4	0.0	9683.4
	% Fixture	72.3	0.0	72.3
Total	Lumens	13387.0	0.0	13387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.7	3.4
10°-20°	1039.0	7.8
20°-30°	1459.8	10.9
30°-40°	2040.8	15.2
40°-50°	2762.9	20.6
50°-60°	3365.3	25.1
60°-70°	1752.8	13.1
70°-80°	449.1	3.4
80°-90°	68.5	0.5
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°	13387.0	100.0
0°-180°	13387.0	100.0

Coefficient of Utilization

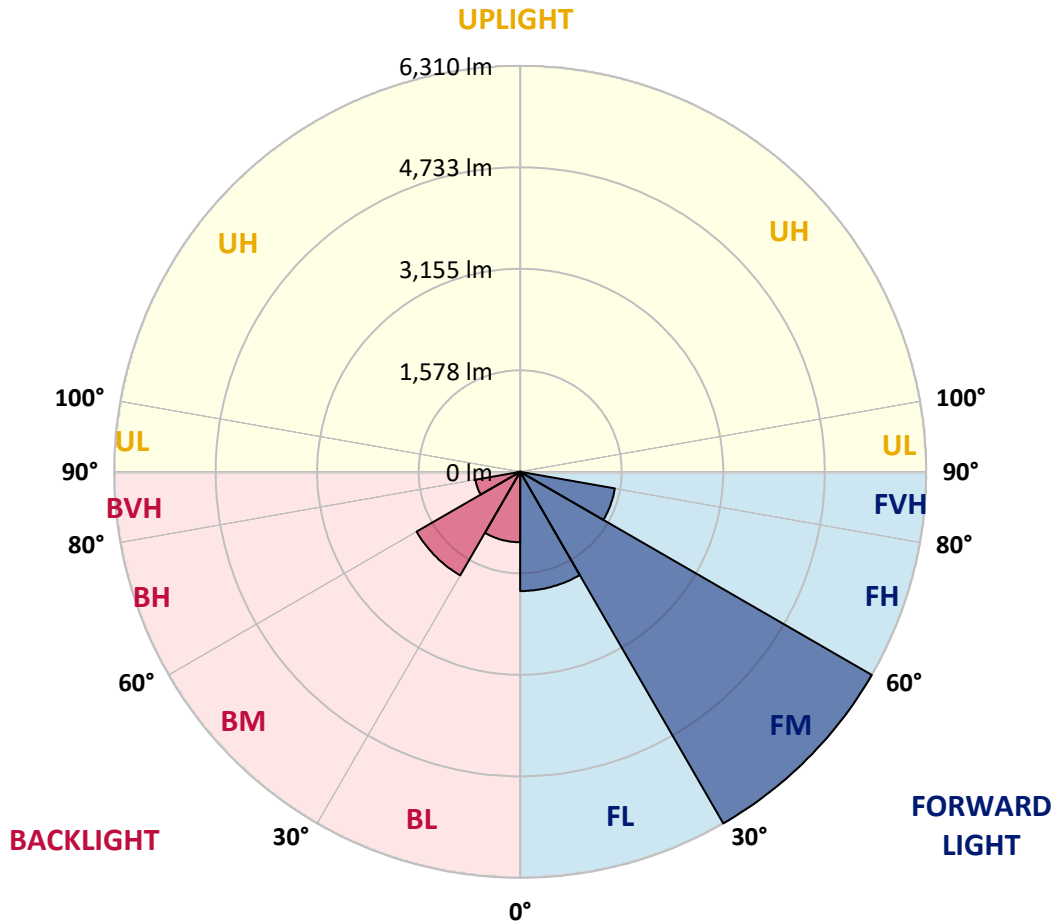


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1852.9	13.8			
FM (30°-60°)	6310.2	47.1			
FH (60°-80°)	1494.4	11.2			G1/1800
FVH (80°-90°)	25.9	0.2			G1/100
BL (0°-30°)	1094.6	8.2	B3/2500		
BM (30°-60°)	1858.8	13.9	B2/2500		
BH (60°-80°)	707.6	5.3	B2/1000		G2/1000
BVH (80°-90°)	42.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4
2.5°	5351.4	5330.7	5334.1	5361.7	5327.3	5313.5	5313.5	5246.4	5251.6	5205.1	5193.0
5°	5227.5	5179.3	5212.0	5253.3	5260.2	5273.9	5296.3	5279.1	5230.9	5181.0	5100.1
7.5°	4904.0	4947.0	4959.0	4988.3	5050.2	5107.0	5177.6	5129.4	5127.7	5077.8	5029.6
10°	4620.1	4594.2	4659.6	4702.7	4805.9	4900.5	5008.9	5003.8	5029.6	4972.8	4890.2
12.5°	4337.9	4317.2	4348.2	4446.3	4590.8	4728.5	4857.5	4809.3	4947.0	4936.7	4759.4
15°	4038.5	4054.0	4098.7	4189.9	4379.2	4544.3	4707.8	4709.5	4831.7	4873.0	4635.5
17.5°	3828.5	3811.3	3868.1	4004.1	4172.7	4370.6	4556.4	4594.2	4781.8	4805.9	4597.7
20°	3672.0	3696.0	3770.0	3838.9	4033.3	4272.5	4482.4	4496.2	4771.5	4836.9	4537.5
22.5°	3634.1	3620.3	3644.4	3756.3	3916.3	4176.1	4442.8	4494.4	4769.8	4826.5	4423.9
25°	3594.5	3639.3	3637.5	3749.4	3866.4	4098.7	4475.5	4532.3	4861.0	4879.9	4439.4
27.5°	3684.0	3678.8	3727.0	3735.6	3880.2	4119.3	4544.3	4587.4	5012.4	4996.9	4451.4
30°	3773.5	3747.7	3776.9	3878.4	3945.5	4238.1	4733.6	4730.2	5208.5	5198.2	4489.3
32.5°	3883.6	3871.6	3890.5	3980.0	4093.5	4396.4	4893.6	4995.2	5408.1	5473.5	4620.1
35°	3904.3	3954.2	3998.9	4119.3	4281.1	4652.8	5194.8	5279.1	5638.7	5843.5	4869.6
37.5°	4035.0	4054.0	4158.9	4372.3	4520.3	4995.2	5385.8	5439.1	5848.6	6080.9	5132.8
40°	4174.4	4196.8	4355.1	4578.8	4781.8	5218.9	5564.7	5581.9	5915.7	6263.3	5304.9
42.5°	4363.7	4384.3	4540.9	4821.4	5093.2	5409.9	5723.0	5742.0	5910.6	6473.2	5578.5
45°	4559.8	4609.7	4793.8	5112.2	5356.5	5633.5	5759.2	5836.6	5958.8	6660.8	5800.5
47.5°	4835.1	4881.6	5033.0	5344.5	5630.1	5829.7	5926.1	6001.8	6074.0	6824.3	5943.3
50°	5127.7	5136.3	5320.4	5602.6	5812.5	6051.7	6237.5	6263.3	6225.5	7013.5	6185.9
52.5°	5342.7	5370.3	5513.1	5788.4	6101.6	6395.8	6650.5	6678.0	6604.0	7084.1	6268.5
55°	4986.6	4971.1	5203.4	5569.9	6296.0	6908.6	7278.5	7299.2	6879.3	7302.6	6538.6
57.5°	3854.4	3928.3	4126.2	4568.4	5594.0	7135.7	7763.8	7689.8	7209.7	7412.7	6710.7
60°	2801.3	2784.1	2916.6	3212.5	4215.7	6149.8	7340.5	7416.2	6939.6	6681.4	5533.7
62.5°	2281.6	2257.5	2267.9	2278.2	2720.4	4081.5	5433.9	5432.2	5344.5	4802.5	3732.2
65°	1823.9	1880.7	1885.9	1963.3	2020.1	2438.2	3148.9	3317.5	2889.0	2369.4	1719.0
67.5°	1374.8	1354.2	1423.0	1698.3	1805.0	1760.3	1719.0	1737.9	1235.5	891.3	839.7
70°	810.4	801.8	884.4	1183.8	1486.7	1398.9	1295.7	1297.4	848.3	622.9	693.4
72.5°	443.9	442.2	459.4	600.5	844.9	877.6	777.8	801.8	505.9	504.2	542.0
75°	247.8	242.6	237.5	265.0	304.6	321.8	328.7	332.1	347.6	388.9	404.4
77.5°	91.2	87.8	87.8	101.5	129.1	161.7	204.8	208.2	246.1	282.2	297.7
80°	31.0	34.4	46.5	63.7	86.0	115.3	139.4	142.8	173.8	197.9	203.0
82.5°	18.9	20.6	31.0	44.7	61.9	80.9	103.2	105.0	129.1	144.5	151.4
85°	8.6	10.3	17.2	27.5	39.6	53.3	55.1	55.1	53.3	55.1	51.6
87.5°	0.0	0.0	3.4	3.4	3.4	5.2	6.9	5.2	8.6	10.3	10.3
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°	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4	5203.4
2.5°	5156.9	5138.0	5079.5	5027.9	5012.4	4943.5	4842.0	4854.1	4780.1	4814.5	4778.4
5°	5086.4	5022.7	4873.0	4809.3	4642.4	4566.7	4515.1	4386.0	4325.8	4313.8	4262.2
7.5°	4905.7	4866.1	4678.6	4506.5	4329.3	4177.8	3983.4	3850.9	3756.3	3730.5	3654.8
10°	4762.9	4675.1	4415.3	4153.8	3900.8	3637.5	3384.6	3186.7	3090.4	2978.5	2940.7
12.5°	4621.8	4489.3	4138.3	3802.7	3475.8	3143.7	2837.4	2596.5	2386.6	2336.7	2319.5
15°	4534.0	4303.5	3890.5	3486.1	3021.5	2587.9	2281.6	2123.3	1994.3	1940.9	1978.8
17.5°	4418.7	4150.3	3653.0	3114.5	2603.4	2204.2	1947.8	1849.7	1803.3	1808.4	1793.0
20°	4274.2	4005.8	3341.6	2777.2	2230.0	1911.7	1765.4	1729.3	1736.2	1748.2	1743.1
22.5°	4171.0	3830.3	3116.2	2433.1	1927.2	1749.9	1689.7	1663.9	1686.3	1696.6	1688.0
25°	4091.8	3680.6	2842.6	2128.5	1751.7	1658.7	1631.2	1629.5	1663.9	1677.7	1669.1
27.5°	4019.5	3541.2	2570.7	1896.2	1634.7	1588.2	1579.6	1600.2	1622.6	1636.4	1648.4
30°	3976.5	3434.5	2316.1	1701.8	1576.2	1553.8	1538.3	1557.2	1569.3	1583.0	1576.2
32.5°	4017.8	3358.8	2070.0	1591.6	1528.0	1505.6	1526.3	1514.2	1534.9	1546.9	1528.0
35°	4146.9	3291.7	1894.5	1533.1	1472.9	1481.5	1485.0	1479.8	1488.4	1478.1	1500.4
37.5°	4274.2	3267.6	1732.7	1483.2	1447.1	1447.1	1443.7	1433.3	1450.5	1447.1	1457.4
40°	4435.9	3283.1	1595.1	1429.9	1423.0	1419.6	1405.8	1404.1	1397.2	1398.9	1402.4
42.5°	4577.0	3317.5	1515.9	1395.5	1400.6	1407.5	1381.7	1361.1	1369.7	1352.5	1352.5
45°	4726.7	3348.5	1445.4	1371.4	1366.2	1364.5	1343.9	1331.8	1324.9	1326.7	1342.1
47.5°	4962.5	3393.2	1392.0	1338.7	1342.1	1316.3	1311.2	1295.7	1302.6	1312.9	1314.6
50°	5129.4	3487.8	1350.7	1300.8	1312.9	1295.7	1264.7	1257.8	1257.8	1275.0	1271.6
52.5°	5246.4	3620.3	1311.2	1259.5	1264.7	1250.9	1240.6	1225.1	1214.8	1238.9	1250.9
55°	5604.3	3840.6	1300.8	1225.1	1223.4	1209.6	1190.7	1175.2	1170.1	1173.5	1197.6
57.5°	5569.9	3771.8	1268.2	1164.9	1161.5	1142.5	1123.6	1118.5	1116.7	1120.2	1127.1
60°	4522.0	2785.8	1132.2	1096.1	1090.9	1087.5	1068.5	1047.9	1037.6	1047.9	1039.3
62.5°	2992.3	1865.2	998.0	1013.5	1016.9	1008.3	977.4	956.7	960.1	972.2	953.3
65°	1469.5	1096.1	905.1	946.4	949.8	925.7	896.5	872.4	860.3	870.7	862.1
67.5°	839.7	838.0	829.4	872.4	870.7	846.6	800.1	779.5	758.8	762.3	757.1
70°	712.4	726.1	743.3	769.1	767.4	739.9	684.8	669.3	640.1	636.7	628.1
72.5°	560.9	585.0	622.9	641.8	626.3	591.9	555.8	530.0	504.2	488.7	493.8
75°	416.4	450.8	471.5	483.5	459.4	440.5	411.2	380.3	349.3	335.5	330.4
77.5°	302.8	313.2	332.1	340.7	325.2	306.3	289.1	258.1	228.9	209.9	204.8
80°	211.6	218.5	232.3	232.3	232.3	223.7	201.3	170.3	151.4	134.2	130.8
82.5°	148.0	154.9	168.6	161.7	160.0	149.7	135.9	111.8	91.2	79.2	75.7
85°	51.6	56.8	68.8	82.6	87.8	86.0	77.4	61.9	48.2	39.6	36.1
87.5°	12.0	12.0	13.8	12.0	12.0	13.8	12.0	12.0	12.0	8.6	6.9
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)