

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: P383307

Luminaire Tested: **GLEON-SA6B-735-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6B-735-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31842.2 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

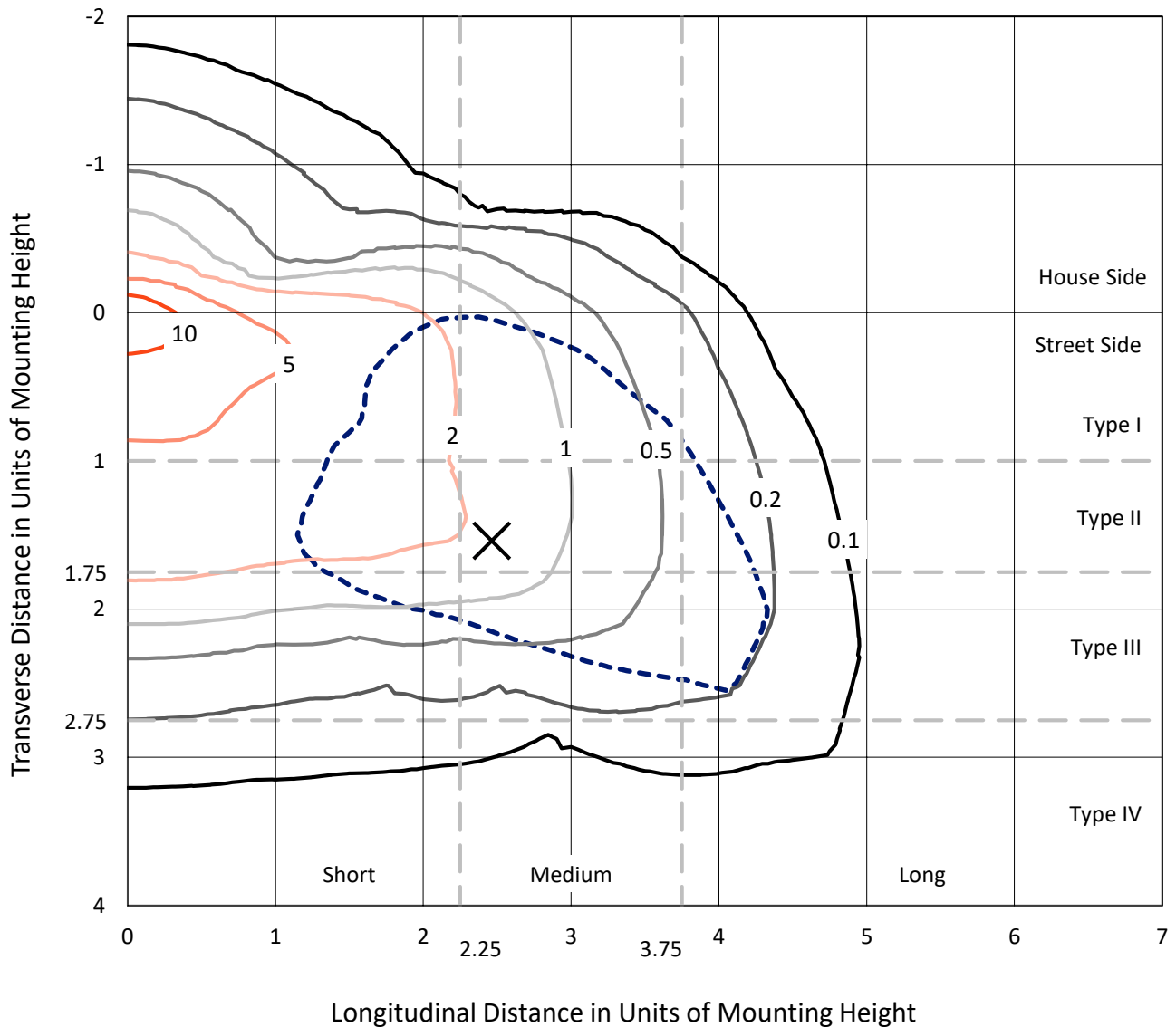
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

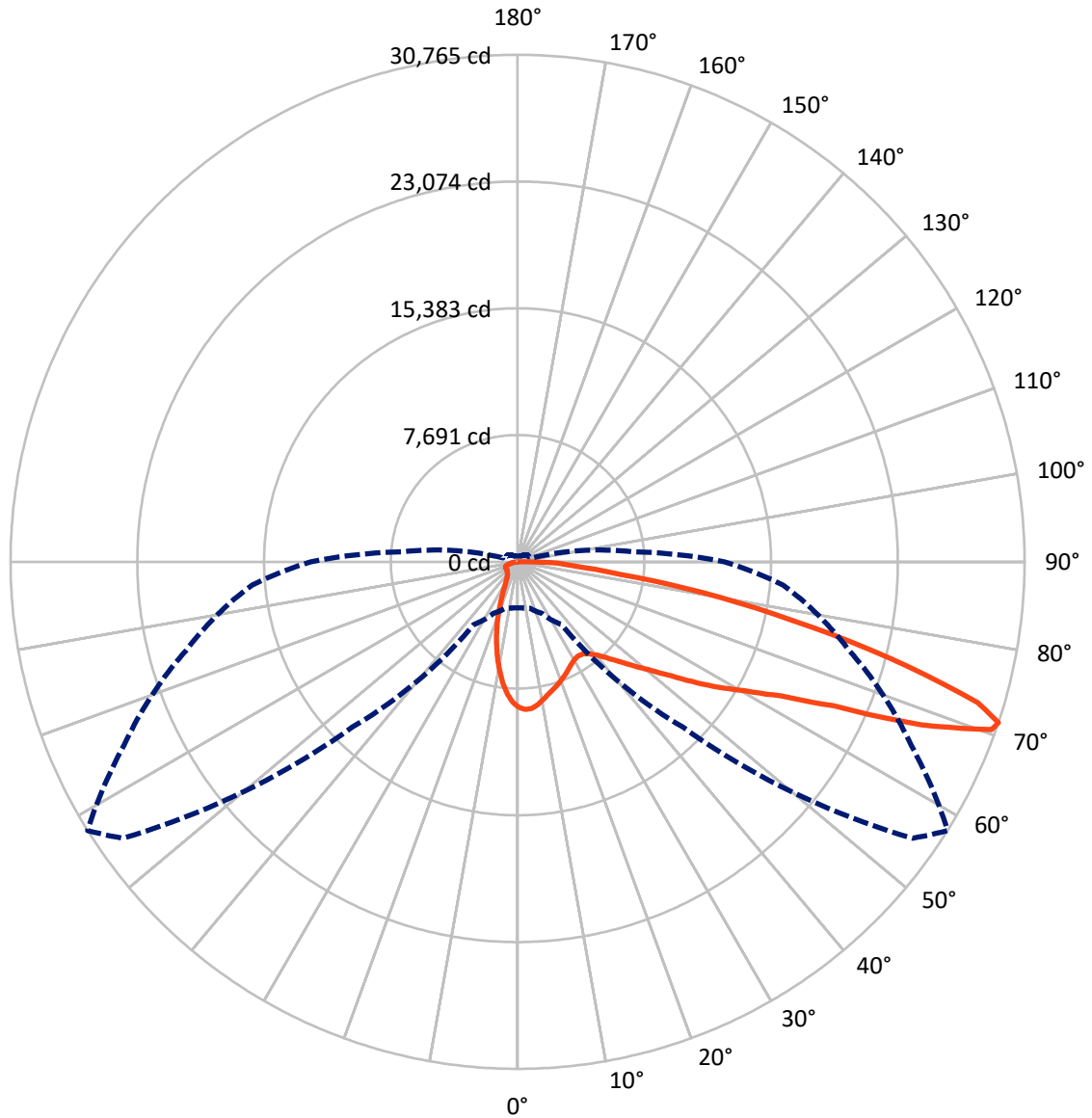
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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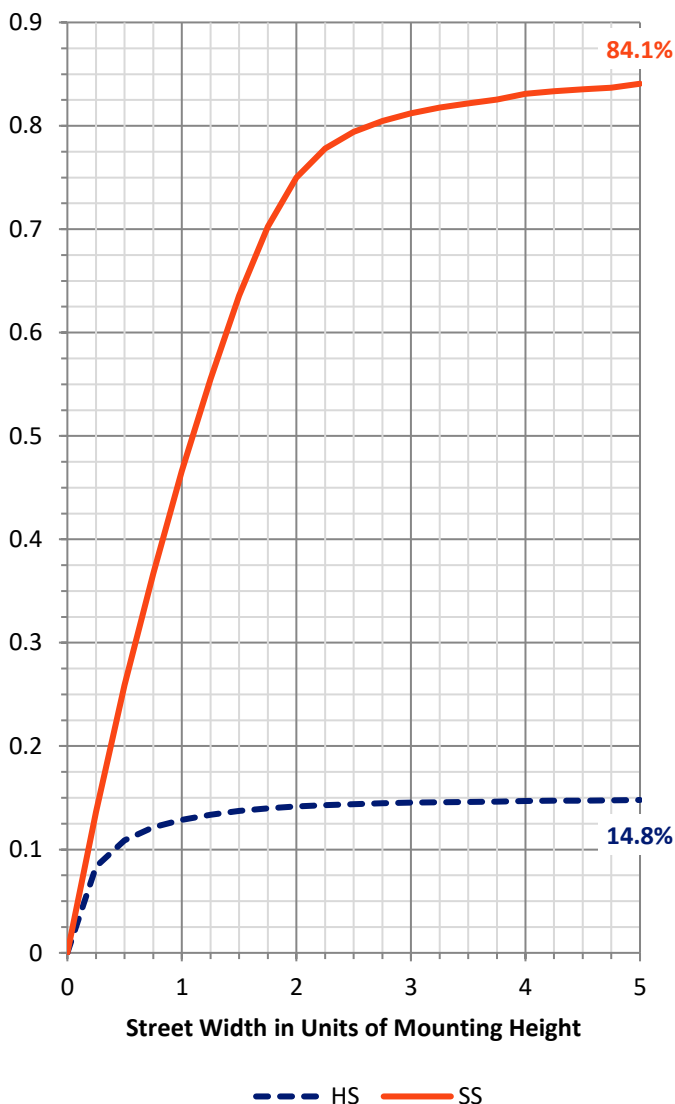
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4760.6	0.0	4760.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	27081.5	0.0	27081.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	31842.2	0.0	31842.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.1	2.4
10°-20°	1692.4	5.3
20°-30°	2150.9	6.8
30°-40°	2739.8	8.6
40°-50°	3885.2	12.2
50°-60°	6012.4	18.9
60°-70°	8185.2	25.7
70°-80°	5460.5	17.1
80°-90°	954.7	3.0
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°	31842.2	100.0
0°-180°	31842.2	100.0

Coefficient of Utilization

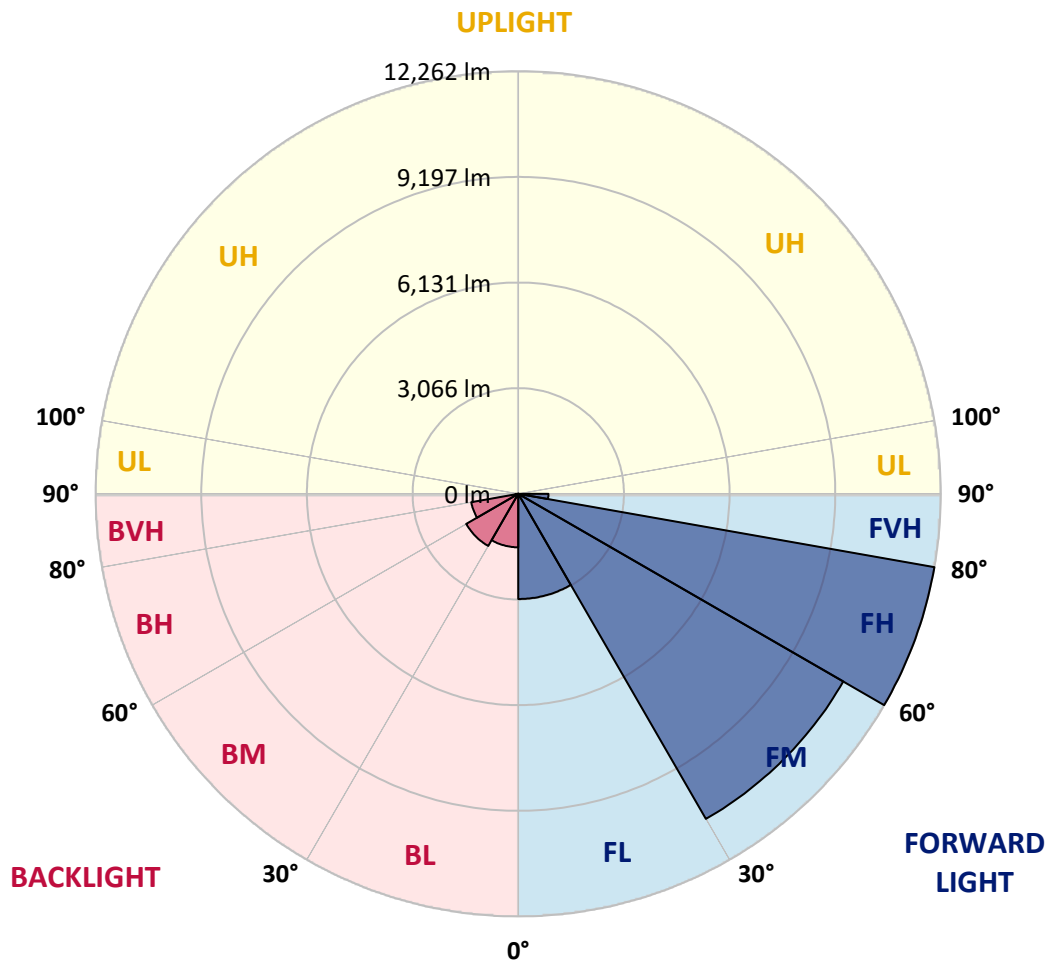


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3052.6	9.6			
FM (30°-60°)	10891.6	34.2			
FH (60°-80°)	12262.0	38.5			G5
FVH (80°-90°)	875.4	2.7			G5
BL (0°-30°)	1551.8	4.9	B3/2500		
BM (30°-60°)	1745.8	5.5	B2/2500		
BH (60°-80°)	1383.6	4.3	B3/2500		G3/2500
BVH (80°-90°)	79.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4
2.5°	9056.4	9044.2	9048.7	9039.8	9018.8	8997.6	8966.6	8972.1	8928.9	8864.5	8784.7
5°	8885.7	8881.2	8914.4	8933.4	8948.8	8936.6	8927.8	8938.9	8875.7	8786.9	8648.3
7.5°	8527.4	8478.6	8520.7	8583.9	8643.8	8689.3	8749.2	8756.9	8717.0	8623.9	8442.0
10°	8018.3	7971.6	8033.8	8132.5	8252.3	8361.0	8481.9	8504.1	8511.8	8427.5	8206.8
12.5°	7490.3	7454.8	7516.9	7655.6	7854.1	8021.6	8214.6	8247.8	8316.6	8260.0	7989.4
15°	7017.8	7004.5	7079.9	7216.3	7444.8	7701.0	7979.5	8040.5	8156.9	8138.0	7819.7
17.5°	6609.6	6606.3	6663.9	6807.0	7059.9	7383.8	7745.4	7848.6	8021.6	8043.7	7680.0
20°	6305.6	6299.0	6339.0	6444.4	6705.0	7072.1	7492.5	7634.5	7884.1	7961.7	7535.8
22.5°	6142.6	6141.5	6142.6	6192.6	6405.5	6747.1	7246.2	7419.3	7749.8	7896.3	7376.0
25°	6114.9	6111.6	6087.2	6081.6	6202.5	6475.4	7002.3	7193.0	7622.3	7850.8	7224.1
27.5°	6187.0	6191.4	6159.3	6107.1	6131.5	6296.8	6790.4	6994.5	7520.2	7841.9	7118.7
30°	6336.8	6334.5	6306.8	6252.5	6204.8	6230.3	6639.5	6843.6	7451.4	7880.7	7046.6
32.5°	6502.0	6514.2	6508.6	6478.7	6407.7	6305.6	6594.1	6793.7	7431.5	7973.9	7015.6
35°	6700.5	6713.8	6753.8	6777.1	6693.9	6529.8	6691.7	6864.7	7489.2	8149.2	7065.5
37.5°	6889.1	6923.4	7035.5	7134.3	7063.3	6880.2	6951.2	7074.4	7667.8	8425.3	7199.7
40°	7106.5	7136.5	7319.4	7529.1	7518.1	7328.3	7369.4	7451.4	7982.8	8821.3	7442.6
42.5°	7320.6	7380.5	7645.6	7942.8	8028.3	7860.8	7926.2	7969.5	8426.4	9345.9	7866.3
45°	7605.6	7670.0	8038.2	8396.5	8596.1	8501.9	8606.1	8622.8	8984.3	10060.2	8481.9
47.5°	8037.1	8110.3	8539.6	8915.6	9220.6	9230.6	9402.5	9395.9	9680.9	10877.7	9257.2
50°	8709.2	8814.7	9166.2	9517.9	9888.3	10094.6	10324.2	10292.1	10516.1	11748.4	10150.0
52.5°	9590.0	9638.7	9899.5	10159.0	10619.3	11081.8	11411.3	11382.4	11463.3	12643.5	11163.9
55°	10502.8	10539.4	10647.0	10789.0	11407.9	12162.1	12858.7	12813.3	12608.0	13573.0	12165.5
57.5°	11323.6	11398.0	11472.2	11531.0	12202.1	13291.3	14339.5	14342.8	13850.3	14575.7	13200.3
60°	11451.1	11516.6	12007.9	12471.6	13560.8	14797.5	15924.4	15891.2	15135.9	15663.8	14353.8
62.5°	10122.4	10269.8	11090.6	12324.1	14869.6	17552.8	17946.5	17905.5	16673.2	17004.8	15697.1
65°	7254.1	7421.5	8412.0	10265.5	14235.2	20588.6	21595.7	21043.4	18769.6	18654.1	17269.9
67.5°	4185.0	4224.8	4654.1	6142.6	10838.9	20747.1	27162.7	26389.5	22025.0	20525.3	18039.7
70°	3094.6	3093.5	3195.6	3780.1	5865.3	16932.7	29810.3	30503.5	25452.3	21140.9	16951.6
71°	2798.5	2801.8	2916.0	3440.7	4645.3	14173.1	29247.9	30765.3	26355.2	20837.0	16164.0
72.5°	2393.6	2404.7	2563.3	3085.8	3907.7	9774.1	26825.5	29194.7	26783.3	20087.2	14931.8
75°	1815.7	1841.2	2060.9	2601.1	3571.6	4957.0	19687.9	23312.7	23793.0	17724.6	11095.1
77.5°	1295.5	1324.4	1572.8	2187.3	3395.2	3735.7	13184.8	17004.8	17509.5	11359.1	5004.6
80°	818.6	852.9	1040.4	1740.3	3190.0	3547.1	8285.6	11430.1	9547.8	3634.8	1273.3
82.5°	480.3	506.9	645.6	1137.0	2605.4	3416.3	4874.9	6335.6	3715.8	1098.1	579.0
85°	278.4	290.6	402.6	724.3	1892.3	3224.4	3581.5	3541.7	1612.8	536.9	274.0
87.5°	129.8	144.2	238.5	378.2	1050.4	2337.1	2830.6	2445.8	1002.7	251.8	128.6
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°	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4	8822.4
2.5°	8745.8	8727.0	8648.3	8578.3	8505.2	8409.8	8304.4	8291.1	8226.8	8239.0	8216.8
5°	8572.8	8525.2	8335.5	8163.5	7960.5	7778.7	7581.2	7490.3	7359.4	7350.6	7317.2
7.5°	8325.5	8236.7	7942.8	7616.7	7290.7	6980.1	6672.9	6470.9	6264.7	6177.0	6169.3
10°	8047.1	7896.3	7463.7	6981.2	6510.9	6057.2	5618.0	5293.0	5000.2	4861.6	4856.0
12.5°	7783.1	7560.2	6966.8	6310.1	5666.8	5078.9	4476.6	4049.6	3682.5	3559.4	3507.2
15°	7559.0	7245.1	6483.1	5643.5	4862.7	4046.3	3360.8	2911.6	2572.2	2454.6	2432.5
17.5°	7341.6	6937.9	5987.3	4970.3	4026.3	3129.0	2442.4	2108.6	1927.7	1880.0	1878.9
20°	7125.4	6621.8	5469.4	4281.4	3217.8	2340.3	1877.8	1728.1	1667.1	1661.5	1652.7
22.5°	6880.2	6286.8	4924.7	3590.4	2511.2	1840.1	1596.1	1536.2	1528.5	1548.4	1548.4
25°	6650.6	5954.1	4372.4	2913.8	1953.3	1535.1	1425.3	1413.1	1434.2	1469.7	1473.0
27.5°	6436.5	5633.5	3833.3	2312.7	1565.1	1352.0	1306.6	1321.0	1358.8	1399.7	1400.9
30°	6260.2	5330.7	3309.8	1822.4	1322.1	1215.7	1207.9	1236.7	1277.8	1309.9	1317.7
32.5°	6123.8	5072.3	2804.0	1465.2	1163.5	1113.6	1120.3	1144.7	1170.2	1187.9	1200.1
35°	6060.6	4850.5	2337.1	1235.6	1062.6	1034.9	1043.7	1057.0	1068.1	1081.4	1091.4
37.5°	6071.6	4678.5	1920.0	1092.5	994.9	980.5	980.5	980.5	980.5	987.2	988.3
40°	6174.8	4579.8	1580.6	1001.6	949.4	934.0	921.8	910.7	901.7	906.2	904.0
42.5°	6438.8	4570.9	1332.1	943.9	912.8	887.3	863.0	847.4	836.3	840.7	843.0
45°	6886.9	4681.9	1164.6	902.9	878.4	839.6	808.6	791.9	784.2	798.6	800.9
47.5°	7467.0	4923.6	1062.6	873.0	846.3	795.3	762.0	746.4	748.7	769.7	775.3
50°	8214.6	5316.2	1013.8	854.0	824.1	757.5	723.2	709.8	716.5	746.4	753.2
52.5°	9035.4	5882.0	1019.3	848.5	809.7	729.9	693.3	677.7	688.8	716.5	722.0
55°	9982.7	6561.9	1111.4	856.3	788.6	712.1	668.9	642.2	651.1	676.6	681.1
57.5°	11035.2	7340.5	1296.6	854.0	762.0	695.5	643.3	603.4	610.1	625.5	630.0
60°	12131.1	8281.1	1583.9	860.7	749.8	675.5	609.0	559.0	556.8	570.1	572.3
62.5°	13446.6	9369.2	1912.2	865.1	757.5	649.9	563.5	514.7	508.0	511.3	513.6
65°	14802.0	10156.8	1789.1	847.4	781.9	628.9	523.5	471.4	459.2	457.0	458.1
67.5°	14844.1	9312.7	1254.5	811.9	791.9	617.8	493.6	434.8	414.8	407.1	406.0
70°	13312.4	7565.8	977.2	774.2	752.0	600.1	465.9	404.9	374.9	362.7	361.6
71°	12564.8	6964.5	926.1	755.4	722.0	582.3	453.7	391.5	360.5	347.2	345.0
72.5°	11392.4	6243.6	864.0	725.4	664.4	536.9	430.4	372.7	340.5	325.0	321.7
75°	8175.7	4082.9	742.1	646.7	550.2	428.1	377.1	335.0	307.2	288.4	286.2
77.5°	3150.0	1625.0	561.3	538.0	421.5	335.0	310.6	289.5	269.5	250.7	249.6
80°	973.8	726.5	409.3	404.9	305.0	249.6	241.8	236.2	228.5	208.5	204.1
82.5°	520.2	417.1	281.7	261.8	199.6	166.4	175.2	177.5	178.6	157.5	155.3
85°	248.4	220.7	158.6	148.7	116.4	93.2	107.6	116.4	117.6	96.5	89.8
87.5°	118.7	115.3	74.3	56.5	43.2	31.0	37.7	46.6	51.0	36.6	32.1
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)