

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: P956626

Luminaire Tested: **GALN-SB9B-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32381 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 329.5
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

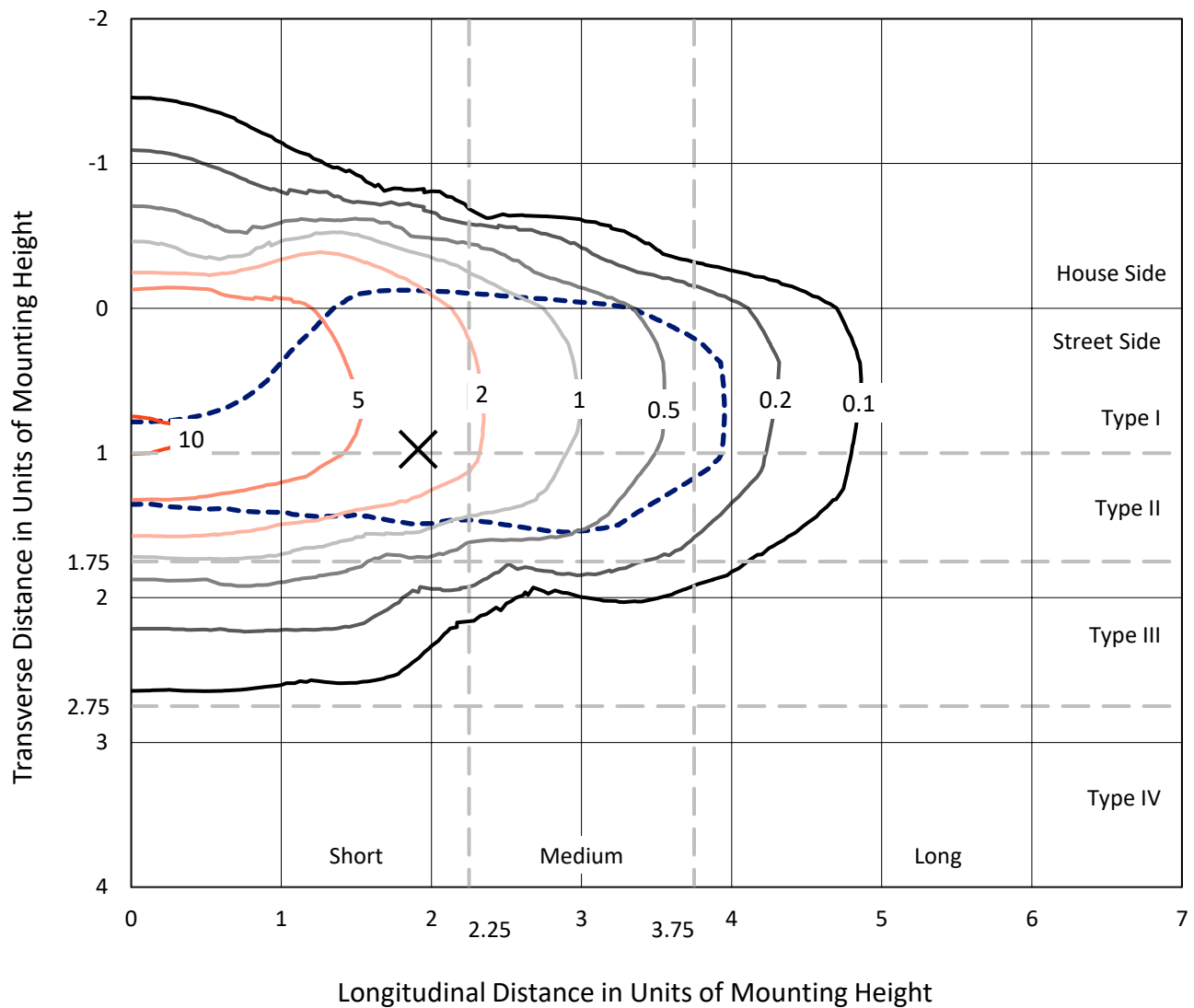


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Iso-Footcandle Lines of Horizontal Illumination

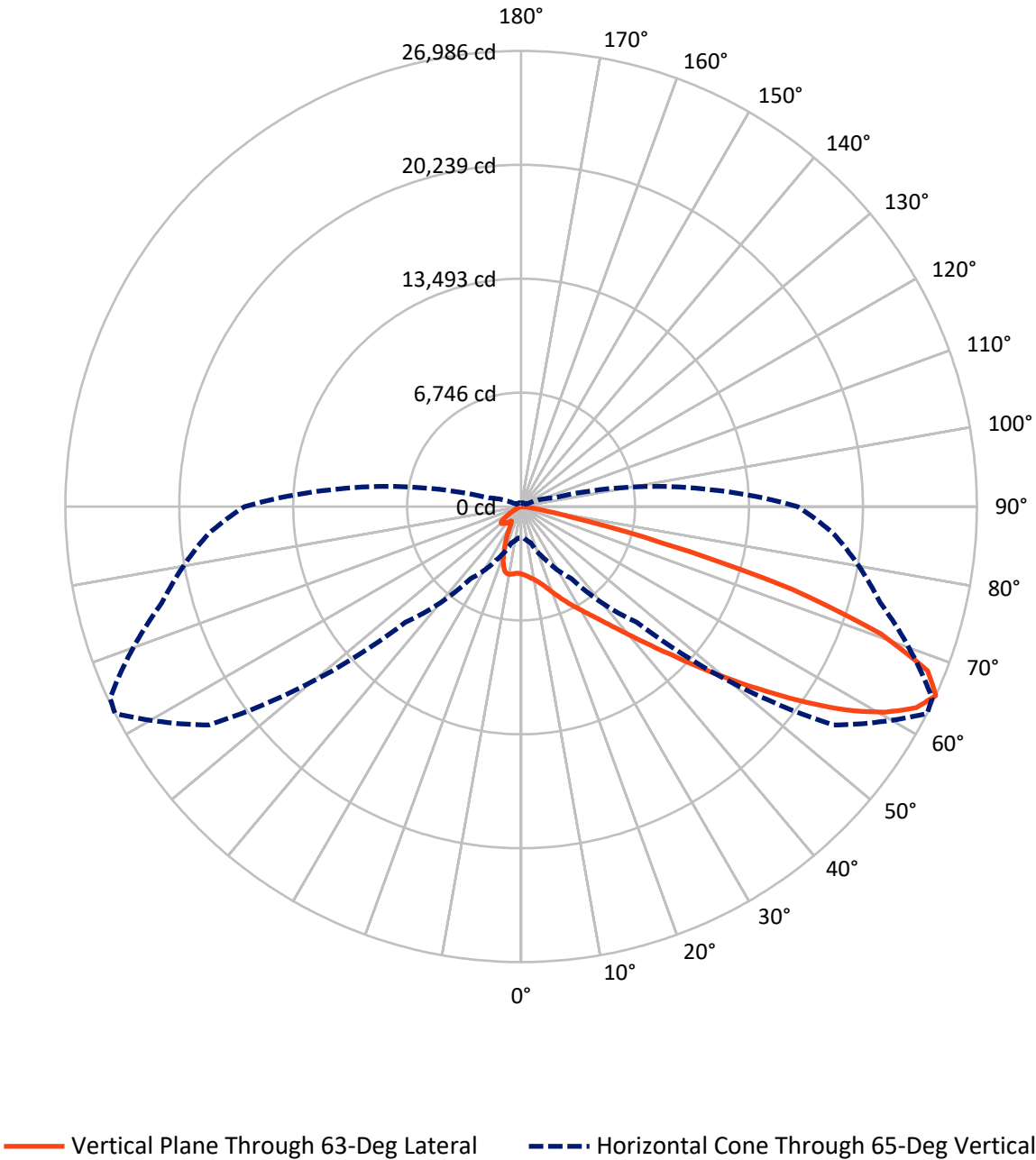
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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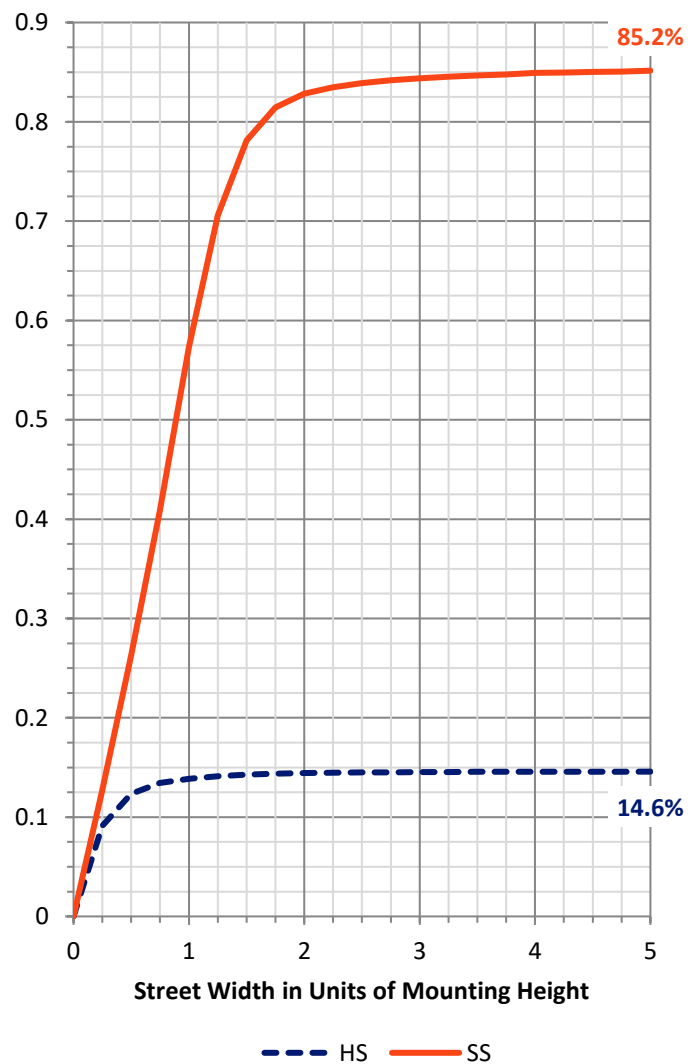
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4759.8	0.0	4759.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	27621.3	0.0	27621.3
	% Fixture	85.3	0.0	85.3
Total	Lumens	32381.0	0.0	32381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.5	1.2
10°-20°	1044.8	3.2
20°-30°	1819.2	5.6
30°-40°	3278.9	10.1
40°-50°	6503.1	20.1
50°-60°	8858.3	27.4
60°-70°	7070.6	21.8
70°-80°	3199.6	9.9
80°-90°	230.0	0.7
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°	32381.0	100.0
0°-180°	32381.0	100.0

Coefficient of Utilization



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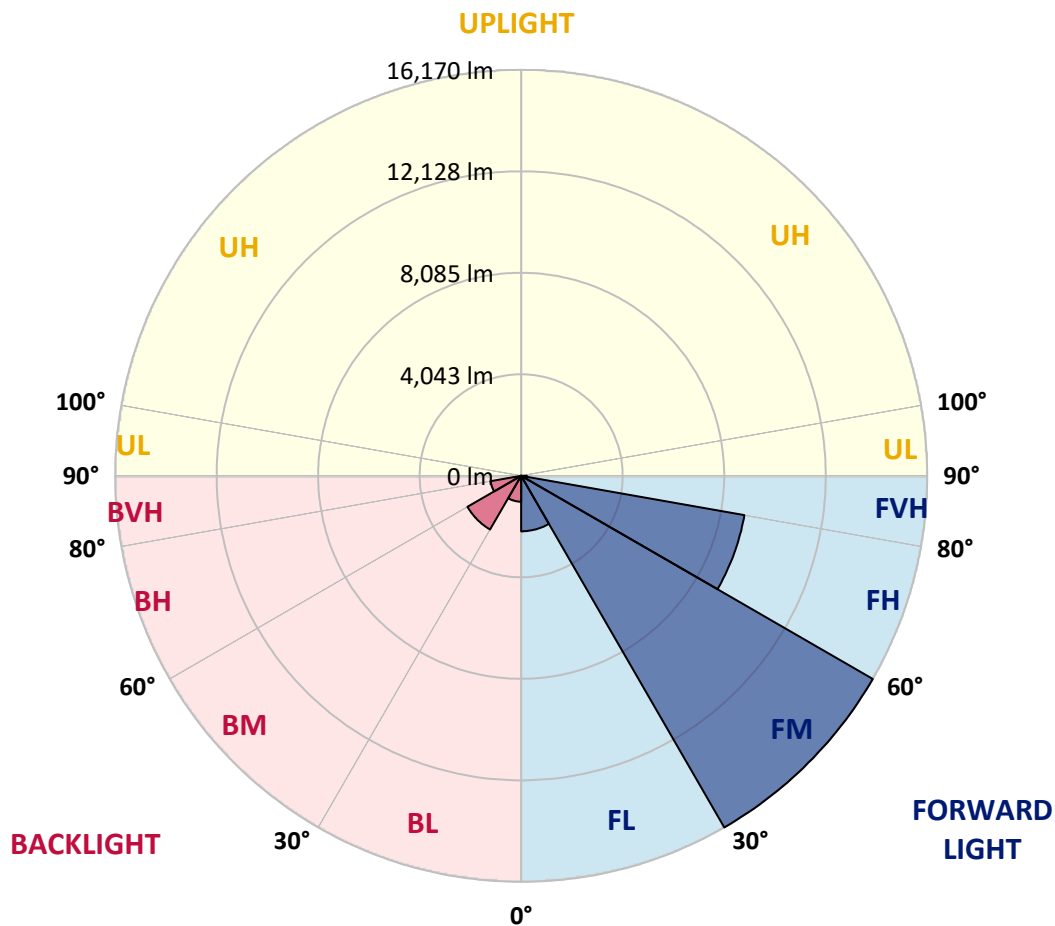
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2210.4	6.8			
FM	(30°-60°)	16170.3	49.9			
FH	(60°-80°)	9027.7	27.9			G4/12000
FVH	(80°-90°)	212.9	0.7			G2/225
BL	(0°-30°)	1030.1	3.2	B3/2500		
BM	(30°-60°)	2470.0	7.6	B2/2500		
BH	(60°-80°)	1242.6	3.8	B3/2500		G3/2500
BVH	(80°-90°)	17.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4
2.5°	4090.0	4078.9	4094.4	4087.8	4083.3	4074.4	4069.9	4065.5	4056.6	4049.9	4023.2
5°	4101.1	4094.4	4110.0	4123.4	4136.8	4150.1	4156.8	4165.7	4156.8	4139.0	4112.3
7.5°	4007.6	4003.1	4036.5	4076.6	4136.8	4188.0	4243.7	4274.9	4277.1	4270.4	4241.5
10°	4000.9	3989.7	4023.2	4072.2	4150.1	4241.5	4339.5	4406.3	4415.2	4444.2	4413.0
12.5°	4105.6	4094.4	4141.2	4194.7	4274.9	4370.7	4491.0	4584.5	4597.9	4638.0	4615.7
15°	4281.6	4266.0	4319.4	4388.5	4491.0	4600.1	4727.1	4811.8	4822.9	4871.9	4831.8
17.5°	4486.5	4470.9	4533.3	4606.8	4718.2	4867.4	5014.5	5108.0	5121.4	5152.6	5079.1
20°	4749.4	4729.3	4778.3	4845.2	4963.2	5141.4	5317.4	5451.1	5448.9	5448.9	5328.6
22.5°	5054.6	5023.4	5065.7	5119.2	5230.6	5446.6	5680.5	5838.7	5838.7	5776.3	5578.1
25°	5382.0	5350.8	5397.6	5446.6	5544.7	5789.7	6063.7	6259.7	6268.6	6161.7	5845.4
27.5°	5791.9	5751.8	5787.5	5845.4	5903.3	6152.8	6478.0	6705.3	6709.7	6544.9	6099.3
30°	6580.5	6466.9	6355.5	6293.1	6319.9	6567.2	6914.7	7166.4	7188.7	6961.4	6375.6
32.5°	8024.0	8001.8	7609.7	7097.3	6830.0	7012.7	7402.5	7705.5	7718.9	7427.0	6734.2
35°	10267.3	10240.6	9610.1	8634.4	7763.4	7609.7	7995.1	8353.7	8344.8	8015.1	7199.8
37.5°	12944.9	12920.4	12089.5	10784.1	9374.0	8511.9	8759.2	9135.6	9191.3	8759.2	7801.3
40°	15232.8	15141.4	14615.7	13357.1	11512.6	10008.9	9846.3	10095.8	10153.7	9641.3	8565.4
42.5°	16965.9	16887.9	16620.6	15834.2	14101.1	12223.2	11127.2	11223.0	11287.6	10672.7	9443.1
45°	17863.6	17845.8	17952.7	17879.2	16738.7	14940.9	12958.3	12559.6	12584.1	11815.5	10438.8
47.5°	17990.6	17981.7	18469.6	19160.1	19006.4	18006.2	15308.5	14225.9	14139.0	13105.3	11521.5
50°	17242.1	17224.3	18159.9	19454.2	20521.2	20581.4	17977.2	16103.8	15912.2	14439.7	12650.9
52.5°	14851.8	14847.4	16384.5	18538.6	21053.6	22835.8	20614.8	18166.6	17845.8	15852.0	13844.9
55°	11427.9	11510.3	13272.4	15818.6	20082.4	23920.6	22982.8	20456.6	19964.3	17273.3	14945.4
57.5°	8095.3	8215.6	9957.7	12225.4	17070.6	23279.1	24584.5	22751.1	22220.9	18690.1	16061.4
60°	4348.4	4455.3	6199.6	8906.2	12699.9	20886.6	25428.8	24742.7	24241.4	20035.6	17068.4
62.5°	2590.8	2626.4	3348.2	5749.6	8589.9	15956.7	25070.1	26259.7	25847.6	21165.0	17943.8
65°	1860.1	1866.8	2229.9	3510.8	5215.0	9694.8	22555.1	26985.9	26858.9	22016.0	18592.1
67.5°	1566.0	1561.6	1713.1	2332.4	3553.1	4856.3	17286.7	25959.0	26498.1	22555.1	18959.6
70°	1343.3	1350.0	1528.2	1708.6	2671.0	2748.9	8594.3	22601.9	23751.3	22697.7	18937.4
72.5°	1000.2	1022.5	1187.3	1557.1	2016.0	1891.3	2967.2	16758.7	18837.1	21385.6	17955.0
75°	706.2	717.3	835.4	1309.9	1503.7	1376.7	1514.8	8663.4	11327.7	16395.6	14695.9
77.5°	543.5	563.6	632.7	915.6	1481.4	966.8	926.7	2998.4	4606.8	9904.2	10075.7
80°	294.1	329.7	456.7	661.6	1040.3	683.9	458.9	1194.0	1561.6	4631.3	3885.0
82.5°	151.5	169.3	318.6	476.7	592.6	597.0	227.2	496.8	643.8	1430.2	532.4
85°	60.1	73.5	213.9	262.9	305.2	294.1	102.5	200.5	231.7	396.5	162.6
87.5°	13.4	22.3	78.0	60.1	57.9	62.4	24.5	46.8	44.6	46.8	29.0
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°	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4	3996.4
2.5°	4020.9	4012.0	3987.5	3960.8	3929.6	3911.8	3900.6	3898.4	3882.8	3871.7	3882.8
5°	4087.8	4078.9	4032.1	3976.4	3916.2	3869.5	3824.9	3784.8	3726.9	3715.7	3711.3
7.5°	4221.4	4196.9	4121.2	4045.4	3931.8	3795.9	3631.1	3441.7	3272.4	3221.2	3196.7
10°	4386.3	4352.9	4257.1	4123.4	3871.7	3501.9	3103.1	2733.3	2439.3	2356.9	2325.7
12.5°	4573.4	4544.4	4417.5	4170.2	3620.0	2949.4	2339.0	1880.1	1595.0	1523.7	1503.7
15°	4796.2	4753.8	4577.8	4098.9	3170.0	2241.0	1606.1	1334.4	1231.9	1218.5	1205.2
17.5°	5032.3	4963.2	4720.4	3842.7	2564.0	1592.8	1240.8	1162.8	1118.3	1104.9	1098.2
20°	5248.4	5159.3	4805.1	3455.1	1915.8	1240.8	1111.6	1060.4	1020.3	1004.7	995.8
22.5°	5464.5	5337.5	4805.1	2927.1	1436.8	1100.5	1020.3	973.5	926.7	906.7	895.5
25°	5689.5	5520.1	4720.4	2339.0	1156.2	1009.1	933.4	882.2	842.1	817.6	808.6
27.5°	5907.8	5673.9	4526.6	1782.1	1029.2	928.9	853.2	804.2	766.3	748.5	748.5
30°	6114.9	5825.3	4254.8	1352.2	946.8	851.0	779.7	737.4	699.5	681.7	683.9
32.5°	6395.6	6016.9	3965.2	1109.4	875.5	777.5	712.9	672.8	639.3	626.0	626.0
35°	6785.5	6299.8	3715.7	1089.3	815.3	717.3	652.7	614.8	581.4	570.3	570.3
37.5°	7337.9	6756.5	3584.3	1223.0	766.3	663.8	603.7	563.6	532.4	523.5	521.3
40°	8019.6	7375.8	3655.6	1356.6	732.9	617.1	559.1	519.0	492.3	481.2	478.9
42.5°	8828.2	8139.9	4049.9	1459.1	710.6	577.0	516.8	472.3	454.4	450.0	450.0
45°	9757.2	8979.7	4653.6	1568.3	675.0	539.1	474.5	441.1	427.7	425.5	423.3
47.5°	10813.1	9902.0	5353.1	1704.2	639.3	503.5	441.1	418.8	407.7	403.2	403.2
50°	11860.1	10830.9	6072.6	1779.9	610.4	470.0	414.3	396.5	387.6	385.4	385.4
52.5°	12956.1	11786.6	6654.0	1708.6	585.9	443.3	392.1	378.7	369.8	367.6	367.6
55°	14000.9	12559.6	6754.3	1450.2	536.9	416.6	367.6	360.9	349.7	349.7	347.5
57.5°	14900.8	12947.2	6045.9	1064.8	487.9	376.5	343.1	336.4	327.5	325.2	323.0
60°	15727.3	12835.8	4667.0	717.3	434.4	336.4	311.9	307.4	298.5	287.4	285.1
62.5°	16192.9	12345.7	3192.2	467.8	380.9	294.1	276.2	274.0	254.0	231.7	227.2
65°	16368.9	11338.8	1991.5	340.8	318.6	251.7	238.4	233.9	204.9	180.4	178.2
67.5°	16215.2	9681.4	1004.7	269.5	251.7	209.4	196.0	196.0	176.0	153.7	151.5
70°	15600.3	7257.7	423.3	216.1	193.8	160.4	160.4	169.3	149.3	124.7	122.5
72.5°	14266.0	4883.0	225.0	164.8	144.8	113.6	131.4	138.1	118.1	93.6	93.6
75°	11341.0	2978.4	155.9	122.5	91.3	80.2	100.2	104.7	80.2	62.4	60.1
77.5°	7756.7	1710.8	104.7	78.0	57.9	46.8	69.1	64.6	42.3	29.0	31.2
80°	3406.1	712.9	60.1	35.6	22.3	17.8	24.5	17.8	13.4	8.9	8.9
82.5°	398.8	167.1	22.3	13.4	8.9	4.5	2.2	0.0	0.0	0.0	0.0
85°	82.4	20.0	11.1	4.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.6	4.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)