

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: P956262

Luminaire Tested: **GALN-SB9A-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32987 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 255.5
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



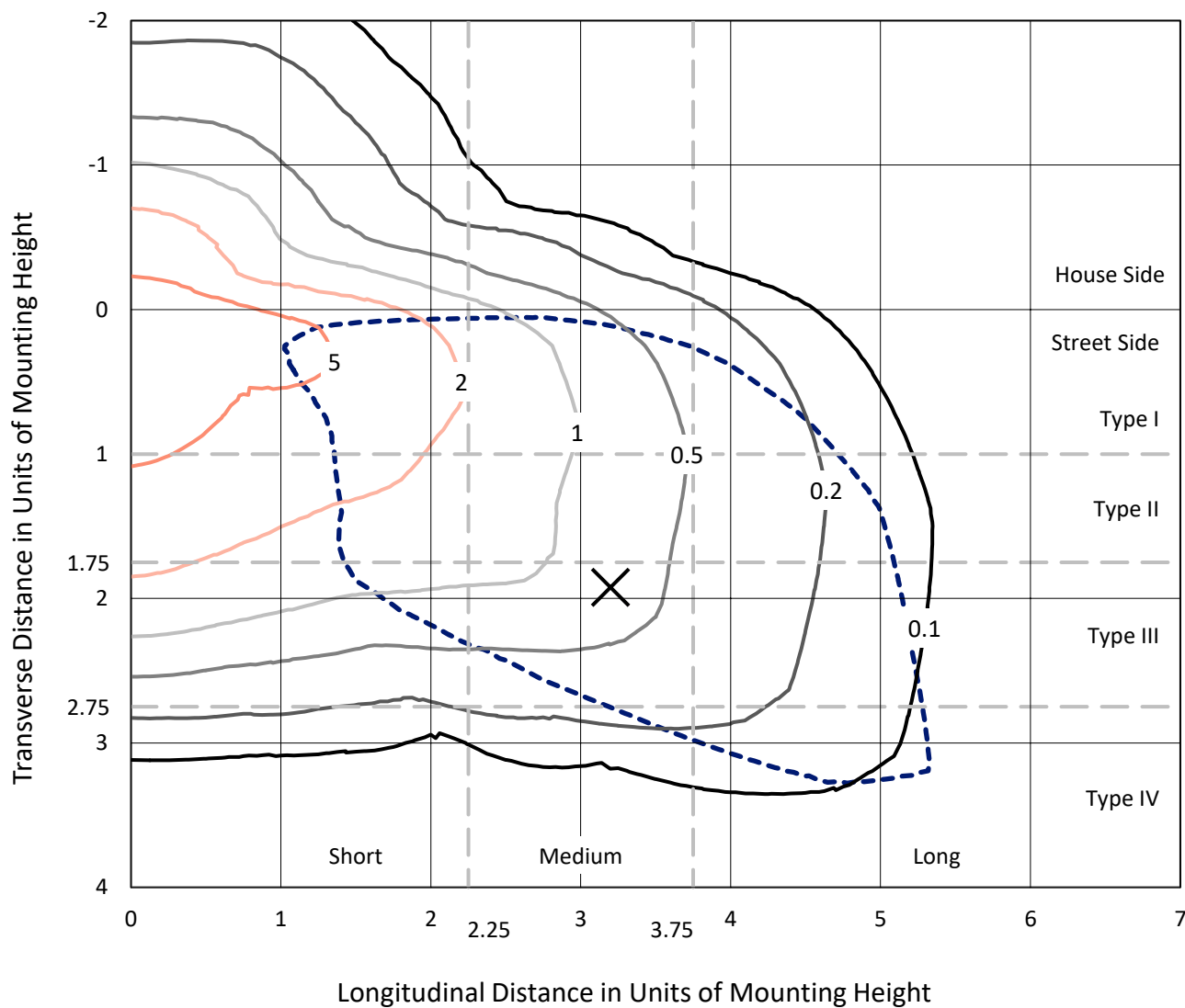
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Iso-Footcandle Lines of Horizontal Illumination

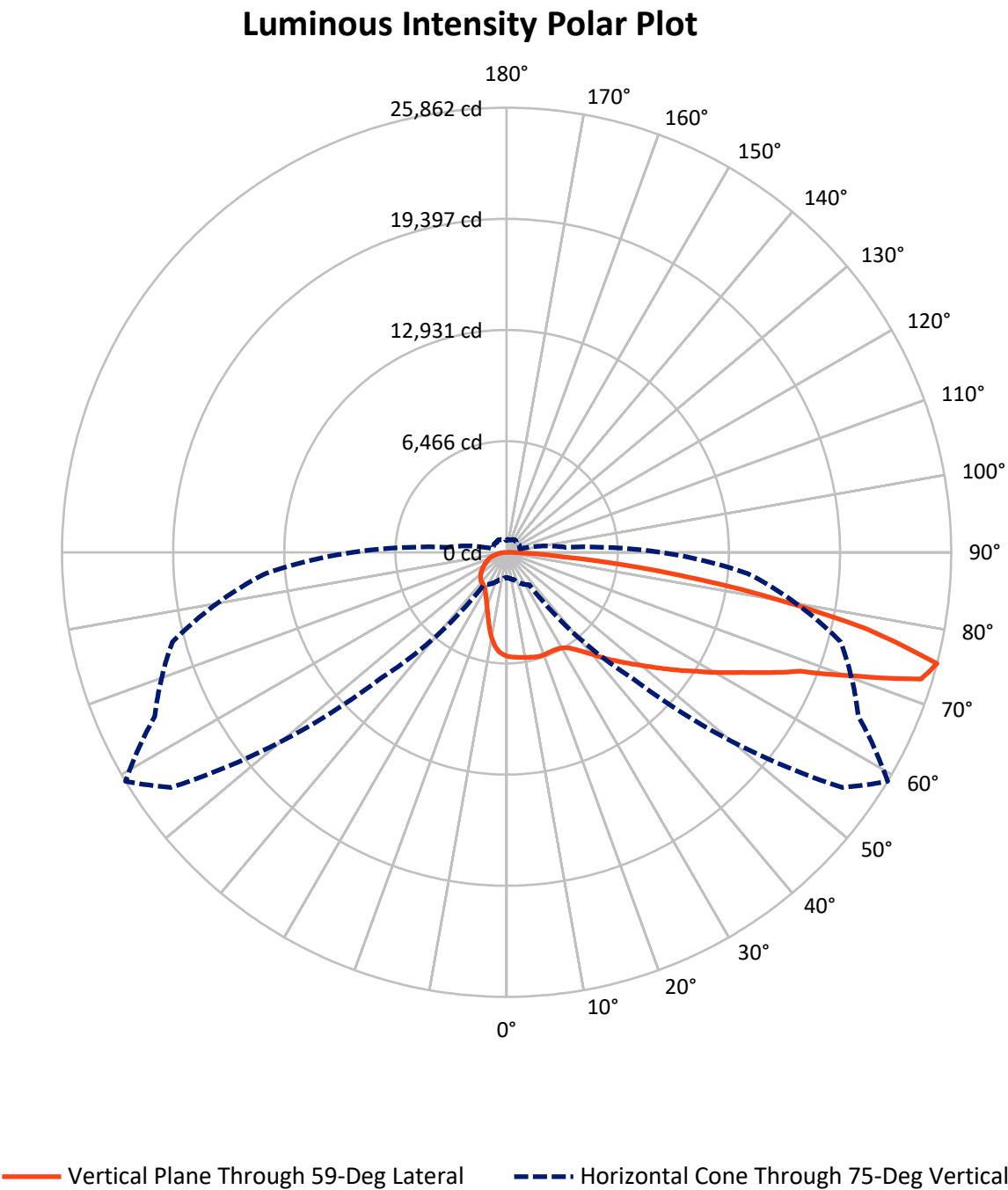
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type IV - Medium - N/A

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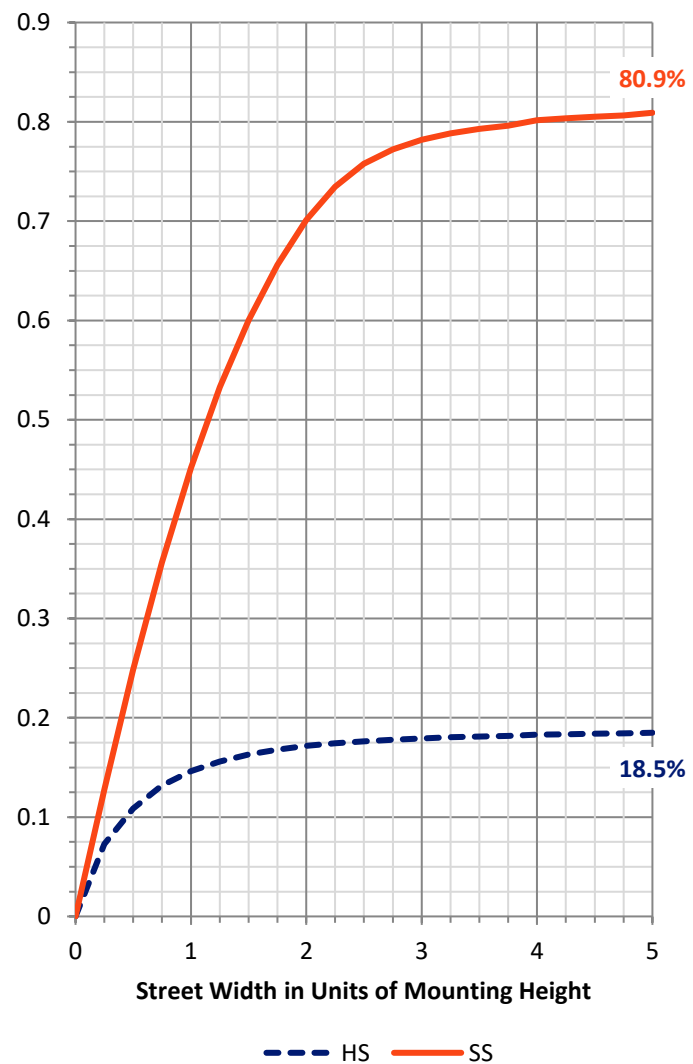
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6186.9	0.0	6186.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	26800.1	0.0	26800.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	32987.0	0.0	32987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.9	1.6
10°-20°	1387.7	4.2
20°-30°	2107.8	6.4
30°-40°	3133.2	9.5
40°-50°	4659.6	14.1
50°-60°	6324.8	19.2
60°-70°	7721.6	23.4
70°-80°	6059.8	18.4
80°-90°	1049.7	3.2
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°	32987.0	100.0
0°-180°	32987.0	100.0

Coefficient of Utilization



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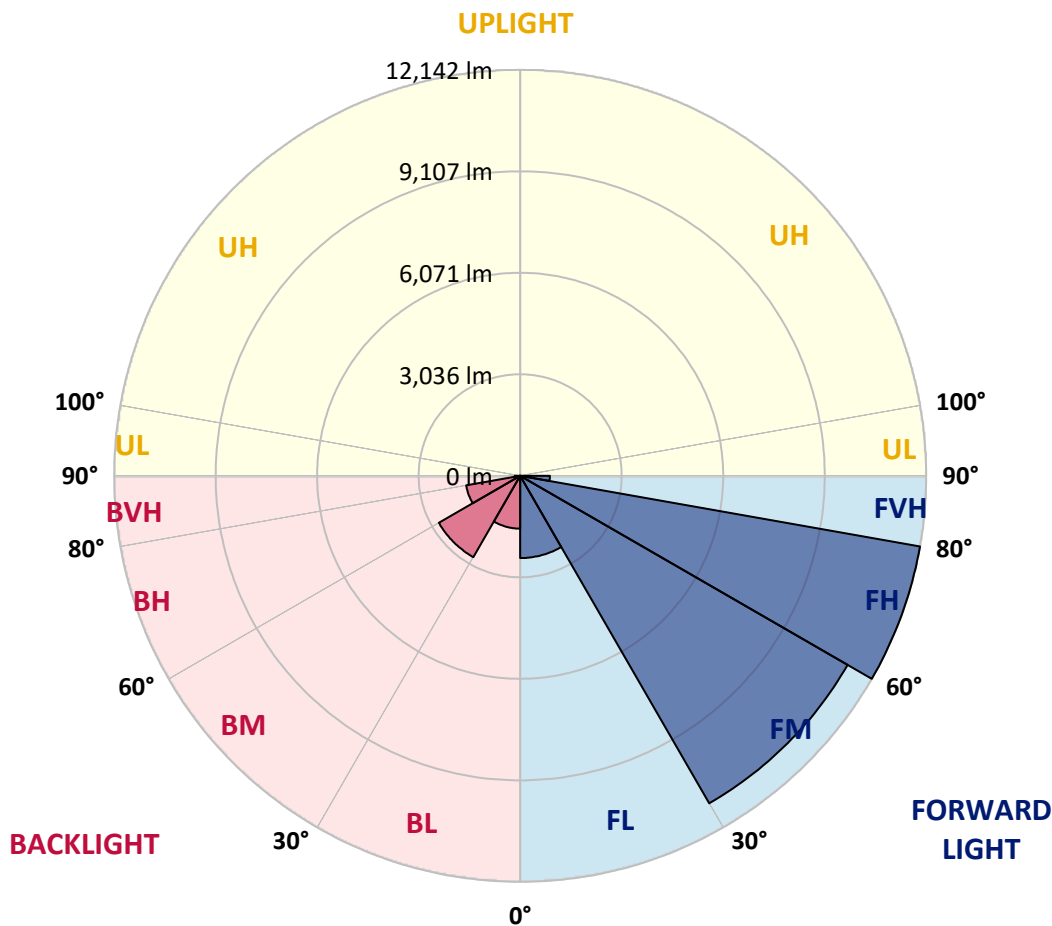
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2459.5	7.5			
FM	(30°-60°)	11309.3	34.3			
FH	(60°-80°)	12142.2	36.8			G5
FVH	(80°-90°)	889.0	2.7			G5
BL	(0°-30°)	1578.8	4.8	B3/2500		
BM	(30°-60°)	2808.3	8.5	B3/5000		
BH	(60°-80°)	1639.2	5.0	B3/2500		G3/2500
BVH	(80°-90°)	160.7	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-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7
2.5°	6106.2	6084.9	6106.2	6097.3	6093.7	6086.6	6088.4	6100.8	6093.7	6102.6	6072.4
5°	6065.3	6052.9	6074.2	6068.9	6092.0	6095.5	6118.6	6132.8	6141.6	6143.4	6120.3
7.5°	5997.9	5985.5	6015.7	6040.5	6090.2	6104.4	6152.3	6175.4	6187.8	6209.1	6175.4
10°	5751.2	5745.9	5820.5	5914.5	6031.6	6104.4	6177.1	6216.2	6235.7	6292.5	6253.4
12.5°	5314.7	5321.8	5419.4	5600.4	5834.6	6068.9	6205.5	6262.3	6292.5	6363.5	6345.7
15°	4897.7	4895.9	5002.4	5195.8	5524.1	5912.7	6219.7	6317.3	6368.8	6473.5	6459.3
17.5°	4656.4	4649.3	4723.8	4871.1	5176.3	5673.2	6184.2	6347.5	6457.5	6588.8	6576.4
20°	4612.0	4597.8	4636.8	4709.6	4926.1	5410.5	6092.0	6347.5	6528.5	6698.8	6691.7
22.5°	4773.5	4750.4	4734.4	4725.6	4821.4	5194.0	5987.3	6326.2	6633.2	6856.8	6844.4
25°	5098.2	5062.7	4981.1	4901.2	4872.9	5096.4	5895.0	6320.9	6789.3	7069.7	7023.6
27.5°	5623.5	5579.1	5414.1	5222.4	5050.3	5146.1	5854.2	6352.8	6961.5	7295.1	7202.8
30°	6274.7	6226.8	6019.2	5724.6	5415.9	5330.7	5905.6	6446.9	7181.5	7595.0	7414.0
32.5°	6858.6	6805.3	6627.9	6328.0	5911.0	5650.1	6068.9	6626.1	7527.5	8012.0	7731.6
35°	7376.7	7314.6	7154.9	6878.1	6517.8	6099.1	6363.5	6943.7	8019.1	8689.9	8162.8
37.5°	7884.2	7811.5	7637.6	7344.8	7092.8	6697.1	6769.8	7351.9	8672.1	9513.2	8734.2
40°	8452.1	8347.4	8136.2	7847.0	7602.1	7398.0	7304.0	7852.3	9335.8	10432.5	9447.6
42.5°	9002.2	8902.8	8650.8	8404.2	8097.2	8038.6	7923.3	8437.9	10061.6	11442.2	10171.6
45°	9594.9	9476.0	9170.8	8858.4	8665.0	8464.5	8523.1	9023.5	10773.2	12471.4	10931.1
47.5°	10150.3	10017.2	9657.0	9309.2	9202.7	8823.0	9073.2	9667.6	11513.1	13514.8	11683.5
50°	10450.2	10318.9	10019.0	9704.9	9621.5	9264.8	9669.4	10375.7	12288.6	14554.7	12405.7
52.5°	10700.4	10558.4	10166.3	9992.4	9967.5	9745.7	10404.1	11184.9	13064.1	15473.9	13103.1
55°	10966.6	10808.7	10308.2	10152.1	10265.6	10285.2	11275.4	12102.3	13883.9	16370.0	13761.5
57.5°	11273.6	11073.1	10444.9	10286.9	10556.7	10916.9	12276.2	13053.4	14689.5	17200.5	14347.1
60°	11562.8	11360.5	10707.5	10501.7	10870.8	11649.8	13424.3	14205.1	15601.7	17940.5	14900.7
62.5°	11619.6	11452.8	10916.9	10915.1	11296.6	12505.1	14783.6	15367.4	16398.4	18671.6	15397.6
65°	10636.5	10531.8	10214.2	10899.2	11907.1	13736.6	16297.3	16854.5	17411.7	19310.4	15834.1
67.5°	8095.4	8109.6	8086.5	9408.5	11413.8	15505.8	18488.8	18446.2	18662.7	20027.3	16336.3
70°	3701.7	3785.1	4328.1	6494.8	9144.1	15709.9	22112.4	21560.5	20233.2	20955.4	16771.1
72.5°	1999.9	2063.8	2285.6	3146.2	5497.5	13967.3	24820.3	25212.5	22321.8	21580.0	16293.7
75°	1467.5	1503.0	1657.4	1999.9	2308.7	10381.0	23849.7	25862.0	22582.6	20123.2	14070.2
77.5°	1098.4	1114.4	1240.4	1584.7	1181.8	5472.6	19056.7	21418.6	19331.7	16533.3	10393.4
80°	796.8	814.5	908.6	1188.9	828.7	2001.7	13085.4	15033.8	13239.8	10538.9	5179.8
82.5°	550.1	557.2	598.0	809.2	578.5	777.2	7424.6	8815.9	7390.9	3698.1	1398.3
85°	331.8	340.7	358.5	472.0	328.3	369.1	3204.8	3314.8	2209.3	883.7	434.8
87.5°	136.6	145.5	159.7	198.7	129.5	102.9	528.8	663.7	413.5	259.1	134.9
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°	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7	6054.7
2.5°	6063.6	6051.1	6017.4	5971.3	5928.7	5875.5	5852.4	5832.9	5815.1	5781.4	5765.4
5°	6100.8	6067.1	5976.6	5859.5	5726.4	5580.9	5438.9	5341.3	5257.9	5195.8	5144.4
7.5°	6157.6	6093.7	5928.7	5689.1	5383.9	5071.6	4789.5	4588.9	4438.1	4383.1	4287.3
10°	6216.2	6139.9	5852.4	5430.1	4903.0	4422.1	4047.7	3841.9	3721.2	3682.1	3621.8
12.5°	6285.4	6173.6	5733.5	5069.8	4365.3	3838.3	3511.8	3391.1	3329.0	3307.7	3313.0
15°	6386.5	6202.0	5554.3	4619.1	3852.5	3412.4	3201.2	3117.8	3085.9	3084.1	3091.2
17.5°	6462.8	6207.3	5275.7	4136.4	3458.6	3155.1	2981.2	2949.3	2970.6	3002.5	3014.9
20°	6548.0	6159.4	4910.1	3696.3	3181.7	2929.7	2857.0	2878.3	2929.7	2975.9	2991.9
22.5°	6608.3	6072.4	4468.3	3353.9	2942.2	2800.2	2796.7	2841.0	2869.4	2892.5	2904.9
25°	6661.6	5925.1	3999.8	3066.4	2745.2	2722.1	2761.2	2747.0	2727.4	2747.0	2759.4
27.5°	6700.6	5692.7	3581.0	2814.4	2606.8	2668.9	2645.8	2613.9	2612.1	2622.8	2640.5
30°	6688.2	5382.1	3236.7	2574.8	2509.2	2569.5	2514.5	2509.2	2503.9	2509.2	2528.7
32.5°	6688.2	5029.0	2972.3	2409.8	2447.1	2424.0	2418.7	2406.3	2385.0	2383.2	2406.3
35°	6725.5	4675.9	2745.2	2321.1	2395.6	2340.6	2344.2	2314.0	2269.6	2248.3	2269.6
37.5°	6801.8	4392.0	2519.8	2278.5	2305.1	2303.3	2289.1	2237.7	2159.6	2092.2	2115.2
40°	6986.3	4308.6	2365.4	2259.0	2262.5	2283.8	2246.6	2147.2	1969.7	1859.7	1873.9
42.5°	7275.6	4448.7	2331.7	2211.1	2234.1	2255.4	2182.7	1952.0	1826.0	1760.3	1760.3
45°	7642.9	4693.6	2404.5	2141.9	2166.7	2204.0	1987.5	1877.5	1820.7	1822.4	1831.3
47.5°	8107.8	4950.9	2539.3	2081.5	2069.1	2090.4	1857.9	1790.5	1712.4	1731.9	1781.6
50°	8645.5	5211.8	2667.1	1999.9	1960.9	1891.6	1774.5	1710.6	1611.3	1565.1	1577.6
52.5°	9227.5	5463.8	2718.6	1900.5	1843.7	1763.9	1717.7	1639.7	1519.0	1442.7	1440.9
55°	9779.4	5692.7	2661.8	1781.6	1726.6	1664.5	1657.4	1609.5	1480.0	1373.5	1373.5
57.5°	10301.1	5884.3	2519.8	1661.0	1607.7	1570.5	1618.4	1595.3	1432.0	1295.4	1288.3
60°	10743.0	6015.7	2314.0	1538.5	1501.3	1481.7	1554.5	1547.4	1364.6	1212.0	1206.7
62.5°	11094.4	6067.1	2086.8	1421.4	1412.5	1377.0	1465.8	1465.8	1279.4	1130.4	1125.1
65°	11369.4	6017.4	1856.2	1306.1	1323.8	1270.6	1357.5	1346.9	1188.9	1057.6	1050.5
67.5°	11612.5	5854.2	1600.6	1192.5	1233.3	1165.9	1243.9	1219.1	1089.6	984.9	977.8
70°	11720.8	5474.4	1309.6	1078.9	1128.6	1062.9	1130.4	1084.2	977.8	906.8	892.6
72.5°	10851.2	4549.9	1031.0	960.0	1002.6	949.4	1007.9	954.7	857.1	825.2	798.5
75°	8977.3	3414.2	793.2	830.5	862.4	821.6	860.6	821.6	732.9	755.9	690.3
77.5°	6519.6	2305.1	606.9	693.8	708.0	686.7	720.5	676.1	596.2	590.9	564.3
80°	3242.1	1350.4	475.6	548.3	543.0	528.8	567.8	546.6	479.1	507.5	502.2
82.5°	938.7	578.5	346.0	385.1	374.4	378.0	406.4	417.0	624.6	619.3	633.5
85°	294.6	227.1	207.6	214.7	204.1	209.4	239.6	475.6	440.1	257.3	278.6
87.5°	76.3	78.1	51.5	55.0	56.8	67.4	76.3	289.2	138.4	90.5	95.8
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)