

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: P530996

Luminaire Tested: **GALN-SA6B-730-U-T2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-730-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25776 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

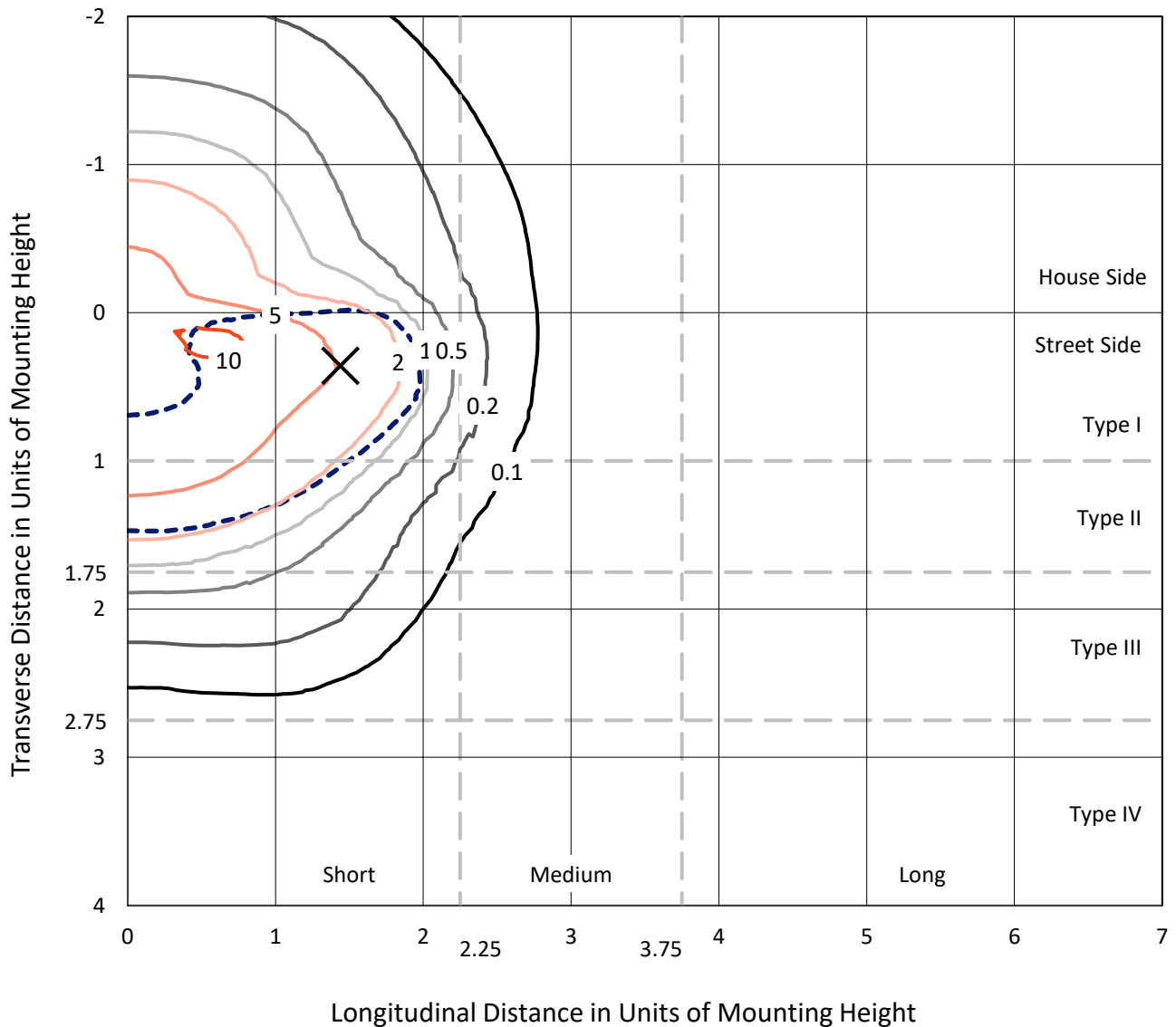
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

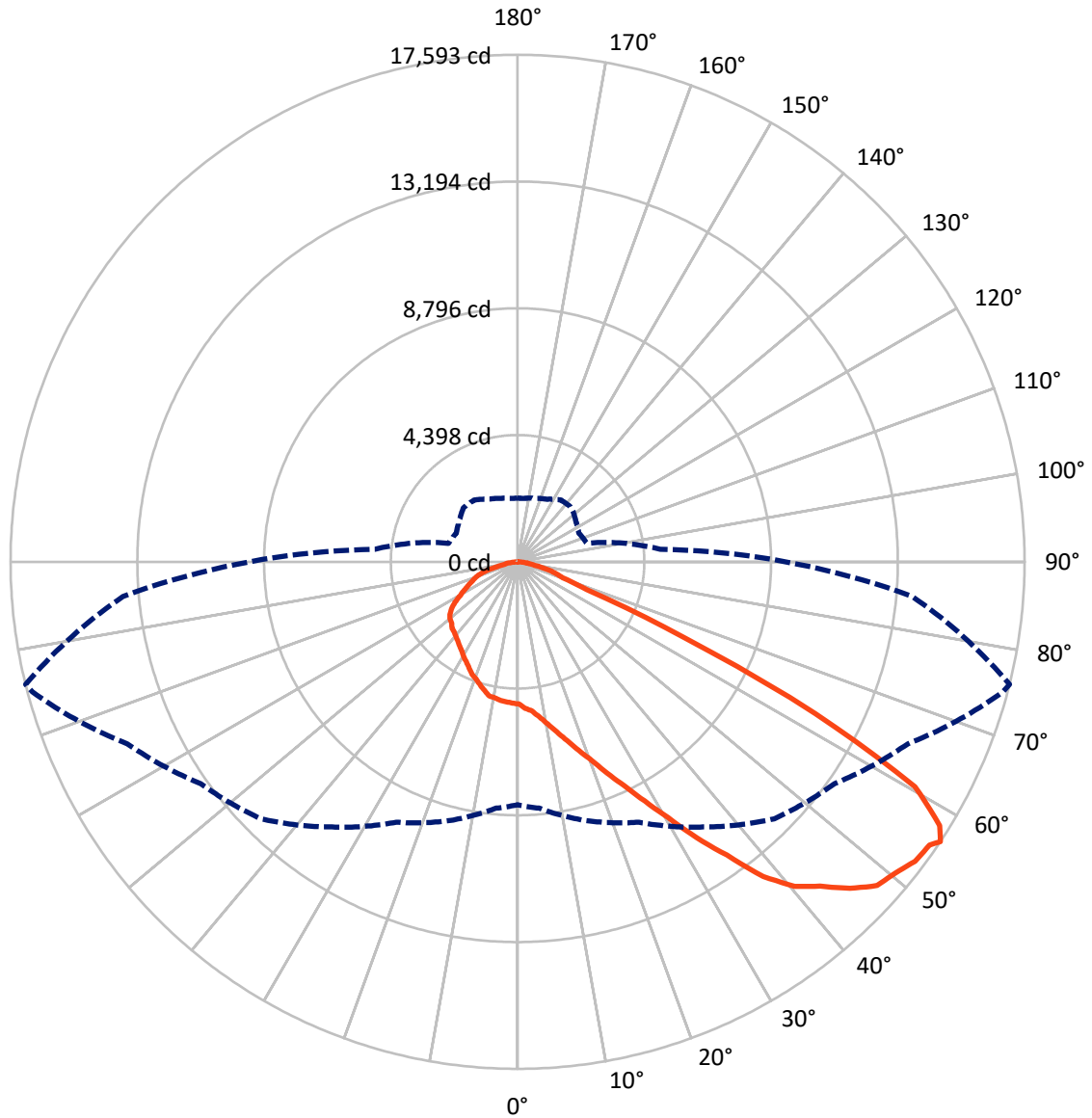
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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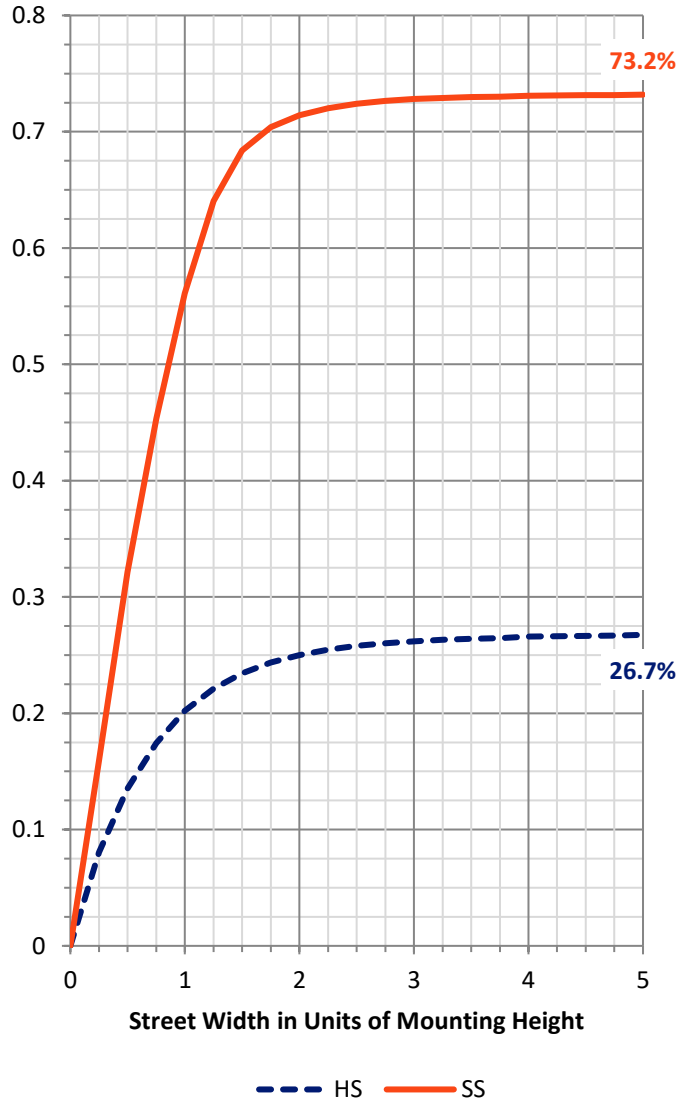
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6930.4	0.0	6930.4
	% Fixture	26.9	0.0	26.9
<b>Street Side</b>	Lumens	18845.6	0.0	18845.6
	% Fixture	73.1	0.0	73.1
<b>Total</b>	Lumens	25776.0	0.0	25776.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	489.1	1.9
10°-20°	1536.4	6.0
20°-30°	2687.0	10.4
30°-40°	4207.0	16.3
40°-50°	6120.0	23.7
50°-60°	6726.3	26.1
60°-70°	3002.3	11.6
70°-80°	867.2	3.4
80°-90°	140.7	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°	25776.0	100.0
0°-180°	25776.0	100.0

**Coefficient of Utilization**

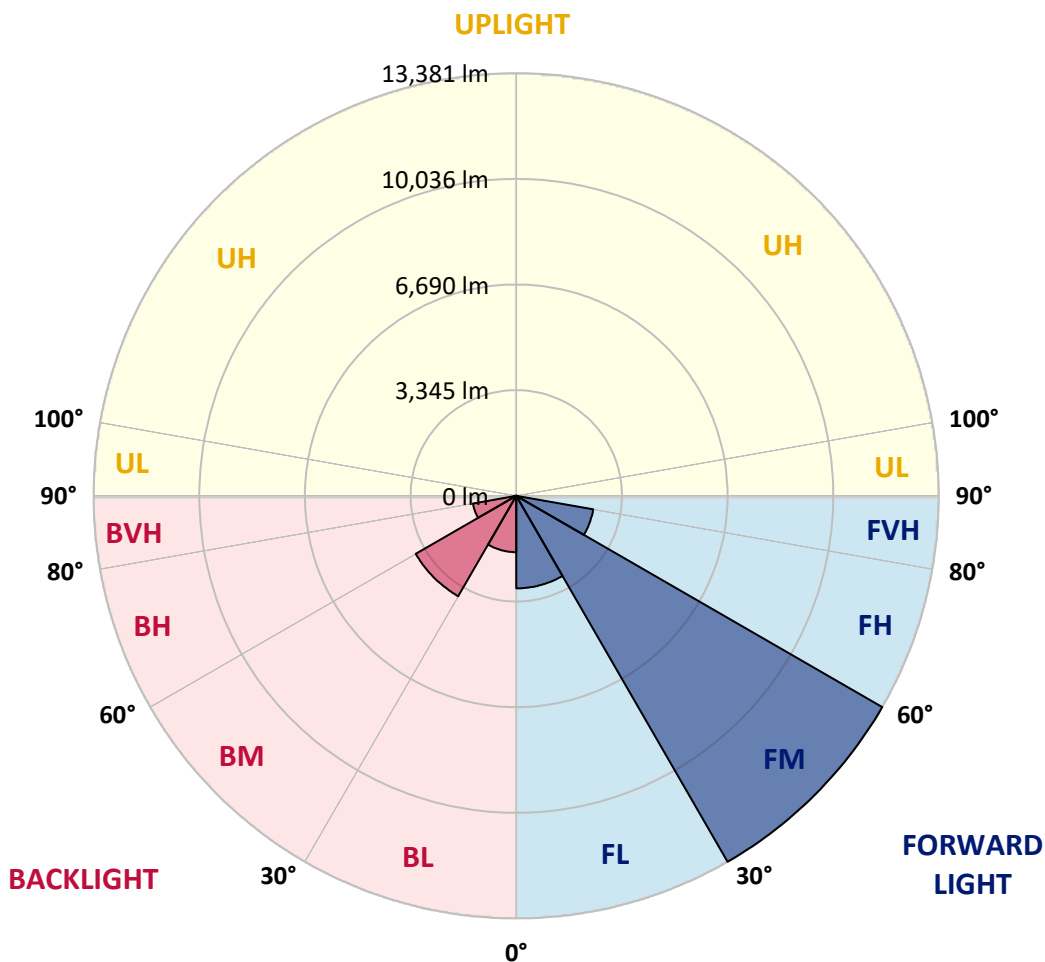


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2929.2	11.4			
FM (30°-60°)	13380.8	51.9			
FH (60°-80°)	2475.1	9.6			G2/5000
FVH (80°-90°)	60.5	0.2			G1/100
BL (0°-30°)	1783.3	6.9	B3/2500		
BM (30°-60°)	3672.5	14.2	B3/5000		
BH (60°-80°)	1394.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	80.1	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-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9
2.5°	5433.1	5346.2	5339.6	5316.2	5329.5	5269.4	5205.9	5122.4	5035.5	5089.0	4962.0
5°	5814.0	5697.1	5743.9	5663.7	5673.7	5593.5	5463.2	5366.3	5259.4	5195.9	5105.7
7.5°	5947.7	5957.7	5991.1	5977.8	5910.9	5910.9	5824.1	5653.6	5466.5	5429.8	5279.4
10°	6128.1	6131.5	6094.7	6104.7	6198.3	6154.9	6078.0	6004.5	5763.9	5720.5	5453.2
12.5°	6191.6	6131.5	6191.6	6245.1	6355.3	6415.5	6398.8	6345.3	6088.0	6058.0	5667.0
15°	6201.6	6164.9	6215.0	6335.3	6432.2	6686.1	6813.1	6776.4	6435.5	6438.9	5907.6
17.5°	6154.9	6205.0	6225.0	6328.6	6552.5	6789.7	7157.3	7207.4	6926.7	6883.3	6211.7
20°	6218.3	6181.6	6208.3	6301.9	6599.3	6970.2	7451.3	7782.1	7387.8	7357.8	6525.8
22.5°	6462.3	6412.1	6405.5	6465.6	6679.5	7063.7	7762.1	8356.8	7949.2	7965.9	6916.7
25°	6652.7	6679.5	6656.1	6652.7	6786.4	7204.1	8173.1	9041.8	8711.0	8614.1	7377.8
27.5°	6980.2	7043.7	6996.9	7060.4	7030.3	7414.6	8467.1	9800.3	9533.0	9402.7	7795.5
30°	7434.6	7468.0	7424.6	7424.6	7334.4	7708.6	8734.4	10592.2	10482.0	10304.9	8286.7
32.5°	8032.7	8082.8	7996.0	7945.8	7932.5	8146.3	9215.6	11374.1	11561.2	11410.9	8938.2
35°	8824.6	8794.6	8691.0	8644.2	8463.8	8818.0	9930.6	12273.0	12764.1	12496.8	9726.8
37.5°	9523.0	9476.2	9469.5	9208.9	9252.3	9543.0	10538.8	12954.6	13930.3	13853.4	10558.8
40°	10174.6	10218.0	10288.2	10141.1	10074.3	10395.1	11247.2	13475.9	14835.8	14805.7	11200.4
42.5°	10872.9	10832.8	10956.5	10832.8	10732.6	11187.0	12015.7	13836.7	15631.1	15383.8	11872.0
45°	11885.4	11758.4	11801.8	11811.8	11738.3	11905.4	12333.1	14097.4	16189.1	16162.4	12363.2
47.5°	12730.7	12734.1	12660.6	12603.8	12379.9	12547.0	12687.3	14261.1	16830.6	16787.2	12553.6
50°	13044.8	13001.4	13215.2	13338.9	13352.2	13011.4	12964.6	14351.3	17168.1	16977.7	12744.1
52.5°	11915.4	11955.5	12293.0	13028.1	13452.5	13489.2	13288.7	14538.4	17305.1	17265.0	12897.8
55°	9589.8	9783.6	10338.3	11187.0	12192.8	13298.8	13639.6	14732.2	17378.6	17345.2	13579.5
56°	8430.4	8580.7	9302.5	9967.4	11230.4	12607.1	13419.1	14939.4	17435.4	17592.5	13739.8
57.5°	6786.4	6960.1	7478.1	8233.2	9723.5	11290.6	12810.9	14685.5	17214.9	17275.0	13856.8
60°	4243.6	4260.3	4881.8	5379.7	6428.9	7959.2	9776.9	12777.5	15931.8	15844.9	12446.7
62.5°	2783.4	2786.7	3351.4	3759.1	4236.9	4587.7	5753.9	8473.8	11755.0	11601.3	8861.4
65°	1954.7	1998.2	2435.9	2980.5	3174.3	2990.6	2953.8	4467.5	6565.9	6345.3	4761.5
67.5°	1430.1	1433.5	1821.1	2405.8	2686.5	2275.5	1847.8	2181.9	2599.6	2592.9	2205.3
70°	945.6	985.7	1283.1	1797.7	2118.4	1827.7	1510.3	1560.4	1654.0	1654.0	1640.6
72.5°	551.3	588.1	785.2	1139.4	1189.5	1142.8	1196.2	1336.6	1396.7	1393.4	1376.7
75°	314.1	330.8	374.2	474.5	591.4	698.4	878.8	1012.4	1072.6	1109.3	1065.9
77.5°	183.8	193.8	220.5	270.7	307.4	377.6	477.8	571.4	651.6	641.5	648.2
80°	96.9	96.9	123.6	160.4	213.8	267.3	317.4	370.9	414.3	424.4	434.4
82.5°	56.8	60.1	80.2	116.9	153.7	190.5	243.9	280.7	320.8	324.1	330.8
85°	30.1	33.4	50.1	76.9	103.6	116.9	120.3	113.6	123.6	116.9	133.7
87.5°	10.0	10.0	16.7	13.4	13.4	16.7	20.0	20.0	26.7	26.7	26.7
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°	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9	4931.9
2.5°	4958.6	4958.6	4901.8	4794.9	4778.2	4734.8	4694.7	4691.3	4661.3	4634.5	4621.2
5°	5052.2	4948.6	4865.1	4768.2	4654.6	4601.1	4541.0	4474.1	4447.4	4474.1	4470.8
7.5°	5159.1	5072.2	4821.6	4641.2	4510.9	4457.4	4390.6	4320.4	4327.1	4327.1	4280.3
10°	5262.7	5145.8	4744.8	4514.2	4323.8	4283.7	4246.9	4273.7	4307.1	4313.7	4283.7
12.5°	5436.5	5172.5	4708.0	4387.3	4267.0	4180.1	4203.5	4277.0	4347.2	4327.1	4350.5
15°	5566.8	5195.9	4541.0	4256.9	4106.6	4146.7	4230.2	4280.3	4397.3	4383.9	4407.3
17.5°	5693.7	5209.2	4377.2	4083.2	4019.7	4130.0	4193.5	4337.1	4373.9	4454.1	4484.2
20°	5954.4	5236.0	4210.2	3976.3	3956.2	4083.2	4193.5	4260.3	4340.5	4410.6	4410.6
22.5°	6088.0	5222.6	4099.9	3835.9	3899.4	3979.6	4079.8	4193.5	4193.5	4260.3	4263.6
25°	6255.1	5169.1	3926.1	3769.1	3815.9	3892.7	4006.3	3966.2	4009.7	4009.7	4063.1
27.5°	6445.6	5055.5	3775.8	3648.8	3742.4	3825.9	3842.6	3815.9	3765.8	3759.1	3739.0
30°	6599.3	4915.2	3665.5	3608.7	3685.6	3732.3	3678.9	3622.1	3535.2	3528.5	3481.7
32.5°	6809.8	4741.4	3528.5	3508.5	3595.3	3598.7	3582.0	3495.1	3368.1	3314.7	3261.2
35°	7164.0	4641.2	3424.9	3455.0	3481.7	3471.7	3441.6	3348.1	3221.1	3197.7	3177.7
37.5°	7424.6	4567.7	3318.0	3354.8	3378.2	3391.5	3301.3	3197.7	3201.1	3154.3	3140.9
40°	7718.6	4520.9	3231.1	3247.8	3251.2	3294.6	3184.4	3134.2	3157.6	3127.6	3147.6
42.5°	8096.2	4534.3	3140.9	3127.6	3191.0	3174.3	3120.9	3054.0	3067.4	2977.2	2990.6
45°	8296.7	4624.5	3087.5	3027.3	3097.5	3094.1	3024.0	2960.5	2880.3	2706.5	2713.2
47.5°	8430.4	4647.9	2960.5	2920.4	2993.9	3037.3	2957.1	2810.1	2696.5	2572.9	2542.8
50°	8567.4	4691.3	2900.3	2816.8	2846.9	2950.5	2850.2	2709.9	2599.6	2489.3	2506.1
52.5°	8687.6	4774.9	2783.4	2659.8	2713.2	2826.8	2773.4	2603.0	2482.7	2392.4	2365.7
55°	9222.3	4962.0	2586.2	2425.9	2552.8	2696.5	2666.4	2459.3	2329.0	2282.2	2275.5
56°	9305.8	4968.7	2482.7	2345.7	2462.6	2653.1	2616.3	2395.8	2278.8	2205.3	2208.7
57.5°	9319.2	4888.5	2335.6	2272.2	2372.4	2589.6	2542.8	2345.7	2185.3	2118.4	2098.4
60°	8199.8	3815.9	2151.9	2111.8	2228.7	2395.8	2379.1	2208.7	2028.2	1951.4	1988.1
62.5°	5590.2	2796.8	2008.2	2001.5	2061.6	2225.4	2181.9	2028.2	1877.9	1827.7	1804.4
65°	3254.5	2121.8	1867.8	1841.1	1891.2	1978.1	2008.2	1847.8	1690.7	1657.3	1647.3
67.5°	1921.3	1754.2	1687.4	1644.0	1627.3	1680.7	1704.1	1610.6	1453.5	1406.7	1446.8
70°	1607.2	1560.4	1563.8	1490.3	1450.2	1413.4	1393.4	1309.8	1179.5	1119.4	1102.7
72.5°	1386.7	1366.6	1353.3	1286.4	1249.7	1166.1	1079.3	995.7	898.8	848.7	852.1
75°	1059.2	1052.5	1059.2	1025.8	962.3	895.5	815.3	708.4	634.9	571.4	584.7
77.5°	631.5	651.6	661.6	648.2	621.5	561.4	511.2	441.1	370.9	320.8	314.1
80°	434.4	451.1	467.8	451.1	424.4	380.9	327.5	274.0	223.9	197.1	190.5
82.5°	330.8	347.5	357.5	340.8	307.4	260.6	223.9	187.1	147.0	120.3	113.6
85°	120.3	137.0	133.7	160.4	173.8	167.1	143.7	110.3	83.5	60.1	56.8
87.5°	33.4	30.1	33.4	33.4	33.4	30.1	26.7	26.7	26.7	16.7	13.4
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)