

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: P953028

Luminaire Tested: **GALN-SB6C-950-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953028  
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-SB6C-950-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

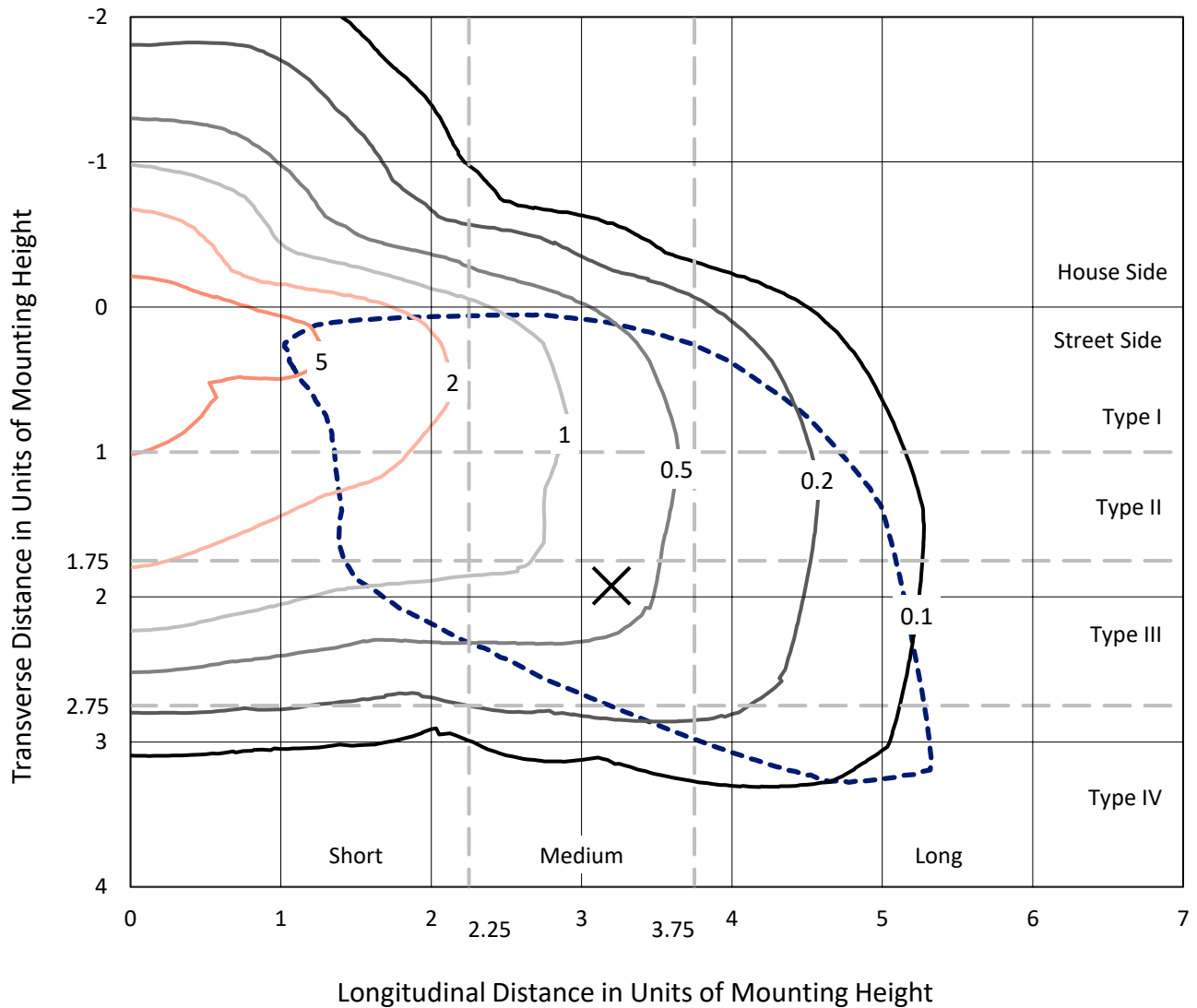
Lumens per Lamp: N/A  
Luminaire Lumens: 30876 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

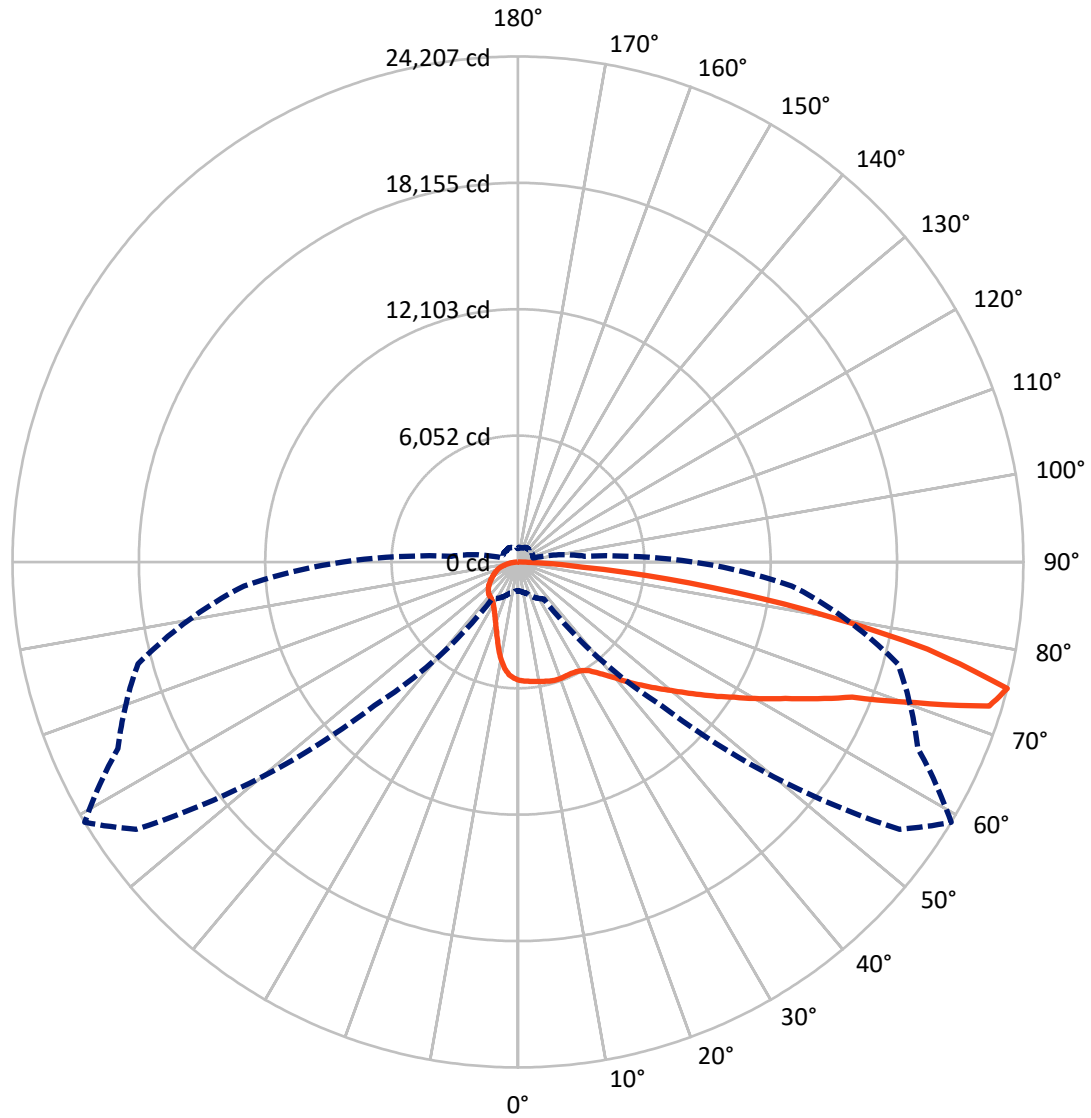
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5791.0	0.0	5791.0
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	25085.0	0.0	25085.0
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	30876.0	0.0	30876.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	508.2	1.6
10°-20°	1298.9	4.2
20°-30°	1972.9	6.4
30°-40°	2932.7	9.5
40°-50°	4361.4	14.1
50°-60°	5920.1	19.2
60°-70°	7227.4	23.4
70°-80°	5672.0	18.4
80°-90°	982.5	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°	30876.0	100.0
0°-180°	30876.0	100.0



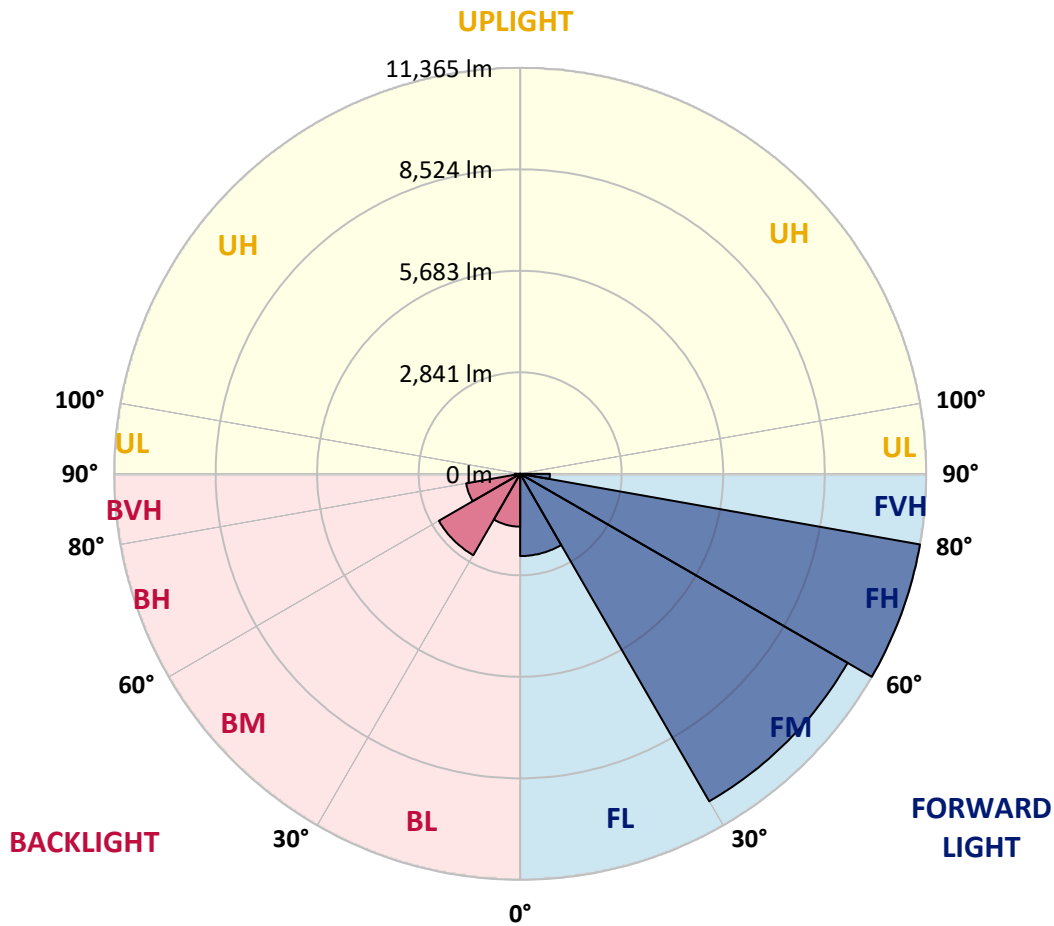
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2302.1	7.5			
FM (30°-60°)	10585.6	34.3			
FH (60°-80°)	11365.1	36.8			G4/12000
FVH (80°-90°)	832.1	2.7			G5
BL (0°-30°)	1477.8	4.8	B3/2500		
BM (30°-60°)	2628.5	8.5	B3/5000		
BH (60°-80°)	1534.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	150.4	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°
0°	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2
2.5°	5715.4	5695.5	5715.4	5707.1	5703.8	5697.1	5698.8	5710.4	5703.8	5712.1
5°	5677.2	5665.6	5685.5	5680.5	5702.1	5705.4	5727.0	5740.3	5748.6	5750.3
7.5°	5614.1	5602.4	5630.7	5653.9	5700.4	5713.7	5758.6	5780.2	5791.8	5811.7
10°	5383.2	5378.2	5448.0	5536.0	5645.6	5713.7	5781.8	5818.4	5836.6	5889.8
12.5°	4974.6	4981.2	5072.6	5242.0	5461.3	5680.5	5808.4	5861.6	5889.8	5956.2
15°	4584.3	4582.6	4682.3	4863.3	5170.6	5534.3	5821.7	5913.0	5961.2	6059.2
17.5°	4358.4	4351.7	4421.5	4559.4	4845.0	5310.1	5788.5	5941.3	6044.3	6167.2
20°	4316.9	4303.6	4340.1	4408.2	4610.8	5064.3	5702.1	5941.3	6110.7	6270.2
22.5°	4468.0	4446.4	4431.5	4423.2	4512.8	4861.7	5604.1	5921.3	6208.7	6418.0
25°	4772.0	4738.7	4662.3	4587.6	4561.0	4770.3	5517.7	5916.4	6354.9	6617.3
27.5°	5263.6	5222.1	5067.6	4888.2	4727.1	4816.8	5479.5	5946.3	6516.0	6828.2
30°	5873.2	5828.3	5634.0	5358.3	5069.3	4989.5	5527.7	6034.3	6721.9	7108.9
32.5°	6419.6	6369.8	6203.7	5923.0	5532.7	5288.5	5680.5	6202.1	7045.8	7499.3
35°	6904.6	6846.5	6697.0	6437.9	6100.7	5708.7	5956.2	6499.4	7505.9	8133.8
37.5°	7379.7	7311.6	7148.8	6874.7	6638.9	6268.5	6336.6	6881.4	8117.1	8904.4
40°	7911.2	7813.2	7615.5	7344.8	7115.6	6924.6	6836.5	7349.8	8738.3	9764.8
42.5°	8426.1	8333.1	8097.2	7866.3	7579.0	7524.2	7416.2	7897.9	9417.7	10709.9
45°	8980.9	8869.6	8583.9	8291.5	8110.5	7922.8	7977.6	8446.0	10083.7	11673.3
47.5°	9500.7	9376.2	9039.0	8713.4	8613.8	8258.3	8492.5	9049.0	10776.4	12649.9
50°	9781.4	9658.5	9377.8	9083.8	9005.8	8671.9	9050.6	9711.7	11502.2	13623.3
52.5°	10015.6	9882.8	9515.7	9352.9	9329.7	9122.0	9738.3	10469.1	12228.0	14483.6
55°	10264.8	10117.0	9648.6	9502.4	9608.7	9627.0	10553.8	11327.8	12995.4	15322.4
57.5°	10552.1	10364.4	9776.5	9628.6	9881.1	10218.3	11490.6	12218.1	13749.5	16099.8
60°	10822.9	10633.5	10022.3	9829.6	10175.1	10904.3	12565.2	13296.0	14603.2	16792.4
62.5°	10876.0	10719.9	10218.3	10216.6	10573.7	11704.8	13837.5	14384.0	15349.0	17476.7
65°	9955.8	9857.8	9560.5	10201.7	11145.1	12857.5	15254.3	15775.9	16297.4	18074.6
67.5°	7577.3	7590.6	7569.0	8806.4	10683.3	14513.5	17305.6	17265.8	17468.4	18745.7
70°	3464.8	3542.8	4051.1	6079.1	8559.0	14704.5	20697.3	20180.8	18938.4	19614.4
72.5°	1871.9	1931.7	2139.3	2944.9	5145.7	13073.5	23232.0	23599.0	20893.3	20199.0
75°	1373.6	1406.8	1551.3	1871.9	2160.9	9716.7	22323.4	24206.9	21137.5	18835.4
77.5°	1028.1	1043.1	1161.0	1483.2	1106.2	5122.4	17837.1	20047.9	18094.6	15475.2
80°	745.8	762.4	850.4	1112.8	775.7	1873.6	12248.0	14071.7	12392.5	9864.5
82.5°	514.9	521.5	559.7	757.4	541.5	727.5	6949.5	8251.7	6917.9	3461.5
85°	310.6	318.9	335.5	441.8	307.3	345.5	2999.7	3102.7	2067.9	827.2
87.5°	127.9	136.2	149.5	186.0	121.3	96.3	495.0	621.2	387.0	242.5
90°	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):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5667.2	0°	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2	5667.2
5683.8	2.5°	5675.5	5663.9	5632.3	5589.2	5549.3	5499.5	5477.9	5459.6	5443.0	5411.4
5728.7	5°	5710.4	5678.8	5594.1	5484.5	5359.9	5223.7	5090.9	4999.5	4921.4	4863.3
5780.2	7.5°	5763.6	5703.8	5549.3	5325.1	5039.4	4747.0	4483.0	4295.3	4154.1	4102.6
5853.2	10°	5818.4	5746.9	5477.9	5082.6	4589.3	4139.1	3788.7	3596.0	3483.0	3446.5
5939.6	12.5°	5883.1	5778.5	5366.6	4745.4	4086.0	3592.7	3287.1	3174.1	3116.0	3096.0
6045.9	15°	5977.8	5805.1	5198.8	4323.5	3606.0	3194.0	2996.4	2918.3	2888.4	2886.8
6155.5	17.5°	6049.2	5810.1	4938.1	3871.7	3237.2	2953.2	2790.4	2760.5	2780.5	2810.4
6263.5	20°	6129.0	5765.2	4595.9	3459.8	2978.1	2742.3	2674.2	2694.1	2742.3	2785.4
6406.4	22.5°	6185.4	5683.8	4182.3	3139.2	2753.9	2621.0	2617.7	2659.2	2685.8	2707.4
6574.1	25°	6235.3	5546.0	3743.8	2870.2	2569.5	2547.9	2584.5	2571.2	2552.9	2571.2
6741.9	27.5°	6271.8	5328.4	3351.8	2634.3	2440.0	2498.1	2476.5	2446.6	2444.9	2454.9
6939.5	30°	6260.2	5037.7	3029.6	2410.1	2348.6	2405.1	2353.6	2348.6	2343.6	2348.6
7236.8	32.5°	6260.2	4707.2	2782.1	2255.6	2290.5	2268.9	2263.9	2252.3	2232.3	2230.7
7640.5	35°	6295.1	4376.6	2569.5	2172.5	2242.3	2190.8	2194.1	2165.9	2124.4	2104.4
8175.3	37.5°	6366.5	4110.9	2358.6	2132.7	2157.6	2155.9	2142.6	2094.5	2021.4	1958.3
8843.0	40°	6539.2	4032.8	2214.1	2114.4	2117.7	2137.7	2102.8	2009.8	1843.7	1740.7
9520.7	42.5°	6810.0	4164.0	2182.5	2069.6	2091.2	2111.1	2043.0	1827.1	1709.1	1647.7
10231.6	45°	7153.8	4393.3	2250.6	2004.8	2028.0	2062.9	1860.3	1757.3	1704.2	1705.8
10935.8	47.5°	7589.0	4634.1	2376.8	1948.3	1936.7	1956.6	1739.0	1675.9	1602.8	1621.1
11611.8	50°	8092.2	4878.3	2496.4	1871.9	1835.4	1770.6	1661.0	1601.2	1508.2	1465.0
12264.6	52.5°	8637.0	5114.1	2544.6	1778.9	1725.7	1651.0	1607.8	1534.7	1421.8	1350.4
12880.8	55°	9153.6	5328.4	2491.5	1667.6	1616.1	1558.0	1551.3	1506.5	1385.2	1285.6
13428.9	57.5°	9641.9	5507.8	2358.6	1554.7	1504.8	1470.0	1514.8	1493.2	1340.4	1212.5
13947.1	60°	10055.5	5630.7	2165.9	1440.1	1405.2	1386.9	1455.0	1448.4	1277.3	1134.4
14412.2	62.5°	10384.4	5678.8	1953.3	1330.4	1322.1	1288.9	1372.0	1372.0	1197.6	1058.0
14820.8	65°	10641.8	5632.3	1737.4	1222.5	1239.1	1189.3	1270.6	1260.7	1112.8	989.9
15290.9	67.5°	10869.4	5479.5	1498.2	1116.2	1154.4	1091.3	1164.3	1141.1	1019.8	921.8
15697.8	70°	10970.7	5124.1	1225.8	1009.9	1056.4	994.9	1058.0	1014.9	915.2	848.8
15251.0	72.5°	10156.8	4258.7	965.0	898.6	938.4	888.6	943.4	893.6	802.2	772.3
13169.8	75°	8402.8	3195.7	742.5	777.3	807.2	769.0	805.6	769.0	686.0	707.6
9728.3	77.5°	6102.4	2157.6	568.1	649.4	662.7	642.8	674.4	632.8	558.1	553.1
4848.4	80°	3034.6	1264.0	445.1	513.2	508.3	495.0	531.5	511.6	448.5	475.0
1308.8	82.5°	878.7	541.5	323.9	360.4	350.5	353.8	380.4	390.3	584.7	579.7
406.9	85°	275.7	212.6	194.3	201.0	191.0	196.0	224.2	445.1	411.9	240.8
126.2	87.5°	71.4	73.1	48.2	51.5	53.2	63.1	71.4	270.7	129.6	84.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
5667.2
5396.5
4815.1
4012.9
3390.0
3101.0
2893.4
2822.0
2800.4
2719.0
2582.8
2471.5
2366.9
2252.3
2124.4
1979.9
1754.0
1647.7
1714.1
1667.6
1476.6
1348.7
1285.6
1205.9
1129.5
1053.1
983.3
915.2
835.5
747.4
646.1
528.2
470.1
593.0
260.8
89.7
0.0

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