

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: P953007

Luminaire Tested: **GALN-SB6C-940-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953007  
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-940-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

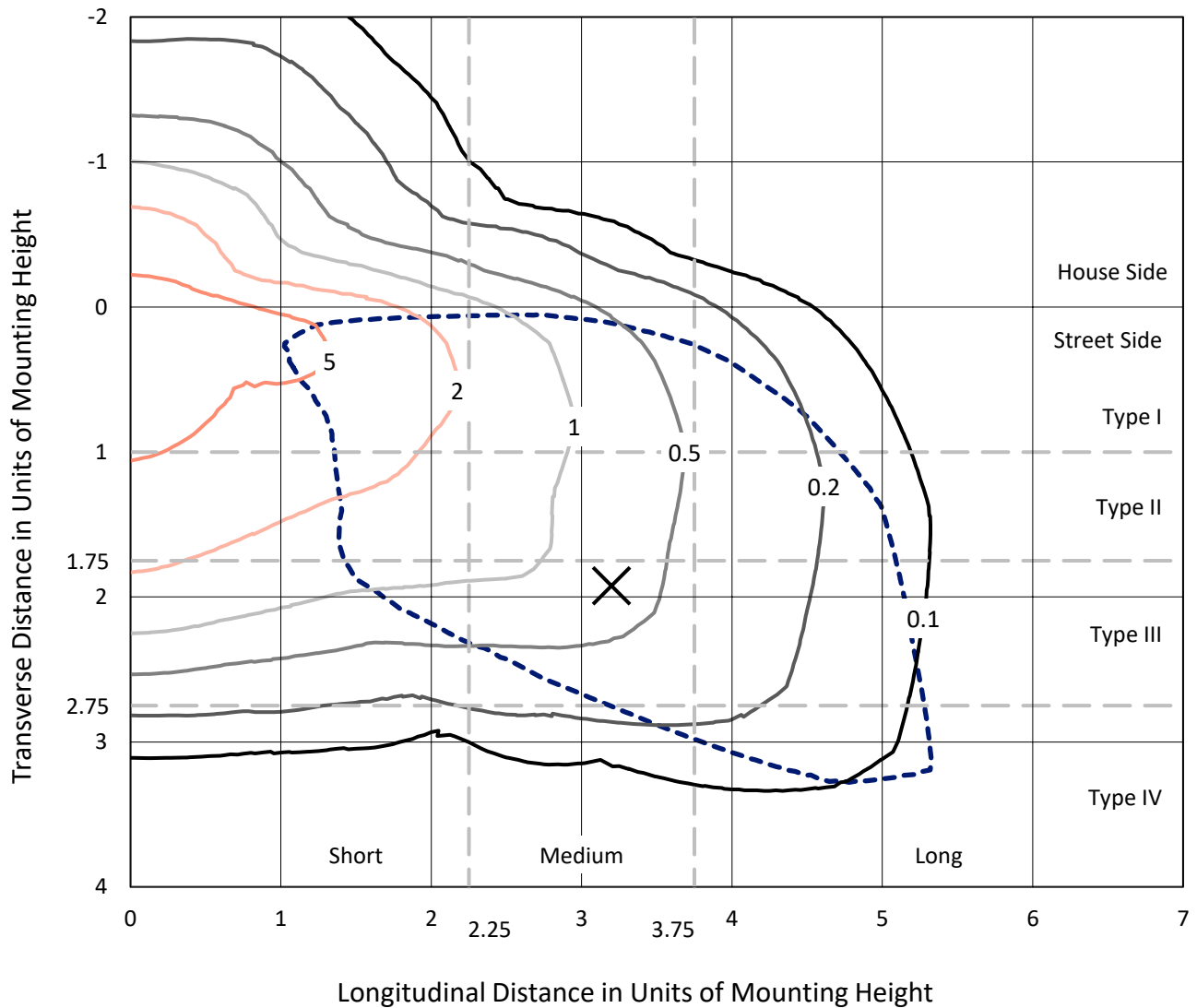
Lumens per Lamp: N/A  
Luminaire Lumens: 32163 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

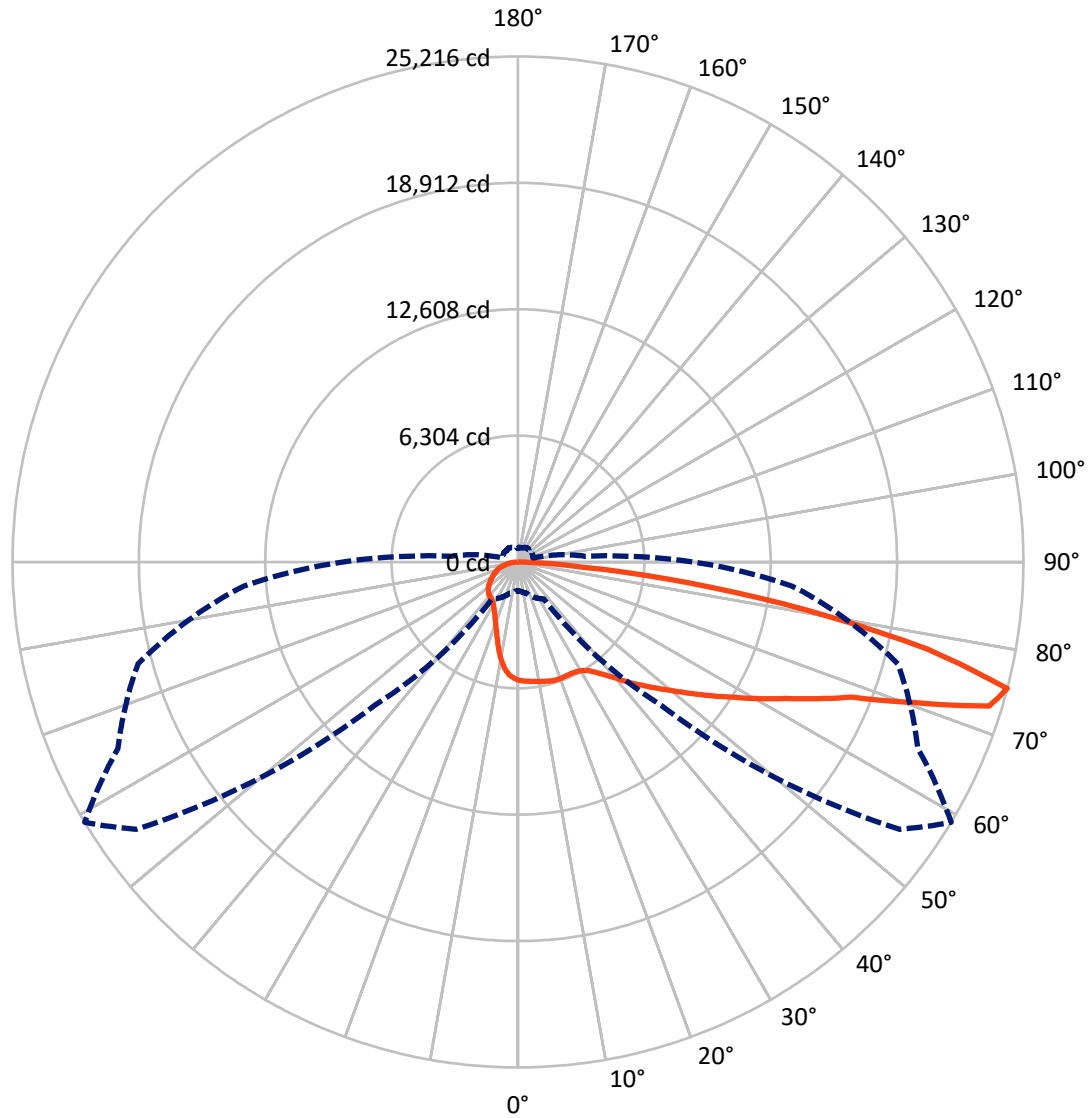
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	6032.4	0.0	6032.4
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	26130.6	0.0	26130.6
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	32163.0	0.0	32163.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	529.3	1.6
10°-20°	1353.0	4.2
20°-30°	2055.1	6.4
30°-40°	3054.9	9.5
40°-50°	4543.2	14.1
50°-60°	6166.8	19.2
60°-70°	7528.7	23.4
70°-80°	5908.4	18.4
80°-90°	1023.5	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°	32163.0	100.0
0°-180°	32163.0	100.0

**Coefficient of Utilization**



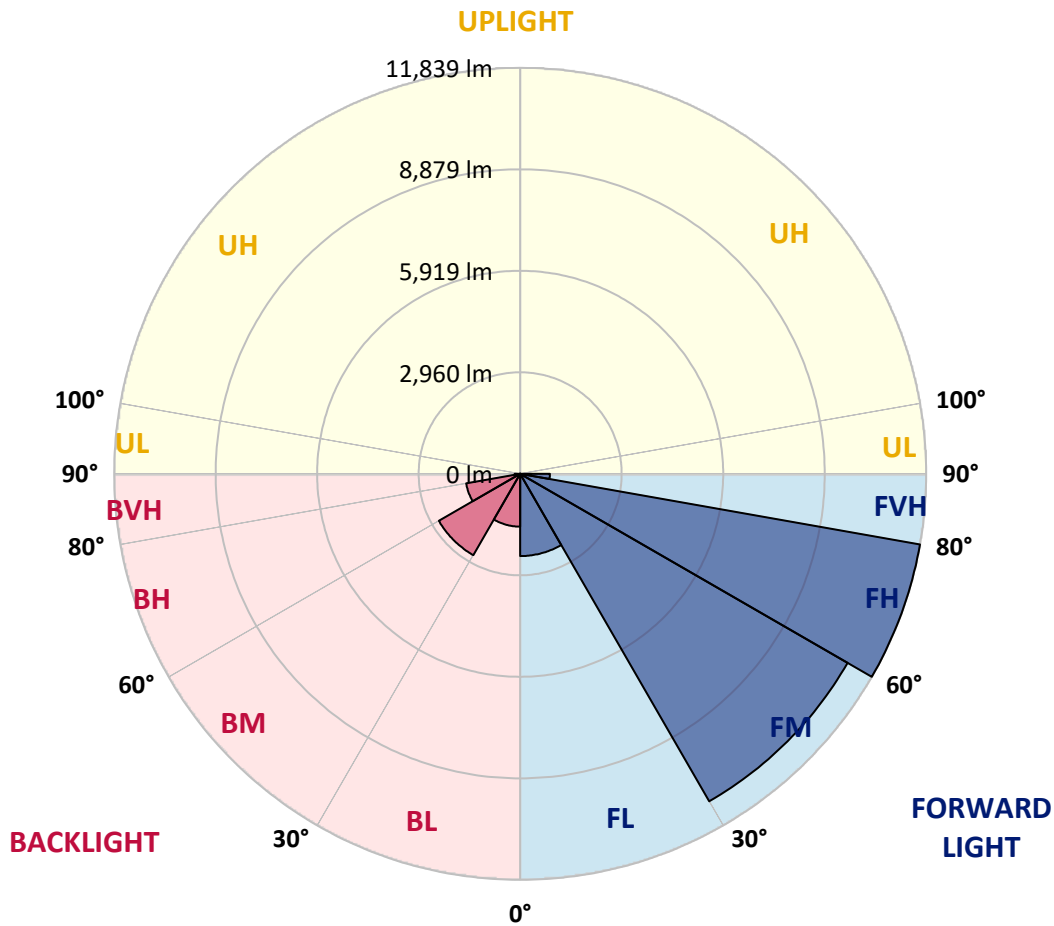
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2398.1	7.5			
FM (30°-60°)	11026.8	34.3			
FH (60°-80°)	11838.9	36.8			G4/12000
FVH (80°-90°)	866.8	2.7			G5
BL (0°-30°)	1539.4	4.8	B3/2500		
BM (30°-60°)	2738.1	8.5	B3/5000		
BH (60°-80°)	1598.2	5.0	B3/2500		G3/2500
BVH (80°-90°)	156.7	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°
0°	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4
2.5°	5953.6	5932.9	5953.6	5945.0	5941.5	5934.6	5936.3	5948.4	5941.5	5950.2
5°	5913.8	5901.7	5922.5	5917.3	5939.8	5943.2	5965.7	5979.6	5988.2	5990.0
7.5°	5848.1	5836.0	5865.4	5889.6	5938.1	5951.9	5998.6	6021.1	6033.2	6054.0
10°	5607.6	5602.4	5675.1	5766.8	5881.0	5951.9	6022.8	6060.9	6079.9	6135.3
12.5°	5182.0	5188.9	5284.0	5460.5	5688.9	5917.3	6050.5	6105.9	6135.3	6204.5
15°	4775.4	4773.6	4877.4	5066.0	5386.1	5765.0	6064.4	6159.5	6209.7	6311.8
17.5°	4540.0	4533.1	4605.8	4749.4	5047.0	5531.5	6029.8	6188.9	6296.2	6424.2
20°	4496.8	4483.0	4521.0	4592.0	4803.0	5275.4	5939.8	6188.9	6365.4	6531.5
22.5°	4654.2	4631.7	4616.2	4607.5	4701.0	5064.3	5837.7	6168.2	6467.5	6685.5
25°	4970.9	4936.3	4856.7	4778.8	4751.1	4969.1	5747.7	6163.0	6619.8	6893.1
27.5°	5483.0	5439.8	5278.8	5092.0	4924.2	5017.6	5707.9	6194.1	6787.6	7112.9
30°	6118.0	6071.3	5868.8	5581.6	5280.6	5197.5	5758.1	6285.8	7002.1	7405.3
32.5°	6687.2	6635.3	6462.3	6169.9	5763.3	5509.0	5917.3	6460.6	7339.5	7811.9
35°	7192.4	7131.9	6976.2	6706.3	6355.0	5946.7	6204.5	6770.3	7818.8	8472.8
37.5°	7687.3	7616.3	7446.8	7161.3	6915.6	6529.8	6600.7	7168.2	8455.5	9275.6
40°	8240.9	8138.9	7933.0	7651.0	7412.2	7213.2	7121.5	7656.1	9102.6	10171.9
42.5°	8777.3	8680.4	8434.7	8194.2	7894.9	7837.8	7725.3	8227.1	9810.2	11156.3
45°	9355.2	9239.3	8941.7	8637.2	8448.6	8253.1	8310.2	8798.1	10504.1	12159.9
47.5°	9896.8	9767.0	9415.8	9076.6	8972.8	8602.6	8846.5	9426.1	11225.5	13177.2
50°	10189.2	10061.1	9768.7	9462.5	9381.2	9033.4	9427.9	10116.5	11981.6	14191.1
52.5°	10433.1	10294.7	9912.3	9742.8	9718.5	9502.3	10144.2	10905.5	12737.7	15087.4
55°	10692.6	10538.7	10050.7	9898.5	10009.2	10028.2	10993.7	11800.0	13537.1	15961.1
57.5°	10992.0	10796.5	10184.0	10030.0	10293.0	10644.2	11969.5	12727.4	14322.6	16770.8
60°	11274.0	11076.7	10440.0	10239.3	10599.2	11358.8	13089.0	13850.3	15211.9	17492.3
62.5°	11329.4	11166.7	10644.2	10642.5	11014.5	12192.7	14414.3	14983.5	15988.8	18205.2
65°	10370.8	10268.7	9959.0	10626.9	11609.7	13393.5	15890.2	16433.5	16976.7	18828.1
67.5°	7893.2	7907.0	7884.5	9173.5	11128.7	15118.5	18027.0	17985.4	18196.5	19527.1
70°	3609.2	3690.5	4220.0	6332.5	8915.7	15317.5	21560.0	21021.9	19727.8	20431.9
72.5°	1949.9	2012.2	2228.5	3067.6	5360.2	13618.4	24200.3	24582.7	21764.2	21041.0
75°	1430.9	1465.5	1616.0	1949.9	2251.0	10121.7	23253.9	25216.0	22018.5	19620.5
77.5°	1071.0	1086.6	1209.4	1545.1	1152.3	5335.9	18580.6	20883.5	18848.8	16120.3
80°	776.9	794.2	885.9	1159.2	808.0	1951.7	12758.5	14658.3	12909.0	10275.7
82.5°	536.4	543.3	583.1	789.0	564.0	757.8	7239.2	8595.6	7206.3	3605.7
85°	323.5	332.2	349.5	460.2	320.1	359.9	3124.7	3232.0	2154.1	861.6
87.5°	133.2	141.9	155.7	193.8	126.3	100.4	515.6	647.1	403.1	252.6
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°
5903.4	0°	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4	5903.4
5920.7	2.5°	5912.1	5900.0	5867.1	5822.1	5780.6	5728.7	5706.2	5687.2	5669.9	5637.0
5967.5	5°	5948.4	5915.6	5827.3	5713.1	5583.4	5441.5	5303.1	5207.9	5126.6	5066.0
6021.1	7.5°	6003.8	5941.5	5780.6	5547.0	5249.4	4944.9	4669.8	4474.3	4327.2	4273.6
6097.2	10°	6060.9	5986.5	5706.2	5294.4	4780.5	4311.7	3946.6	3745.9	3628.2	3590.2
6187.2	12.5°	6128.4	6019.4	5590.3	4943.2	4256.3	3742.4	3424.1	3306.4	3245.9	3225.1
6297.9	15°	6227.0	6047.1	5415.5	4503.7	3756.3	3327.2	3121.3	3040.0	3008.8	3007.1
6412.1	17.5°	6301.4	6052.2	5143.9	4033.1	3372.2	3076.3	2906.7	2875.6	2896.4	2927.5
6524.6	20°	6384.4	6005.5	4787.5	3604.0	3102.3	2856.6	2785.6	2806.4	2856.6	2901.5
6673.4	22.5°	6443.3	5920.7	4356.6	3270.1	2868.7	2730.3	2726.8	2770.1	2797.7	2820.2
6848.1	25°	6495.2	5777.1	3899.9	2989.8	2676.6	2654.1	2692.2	2678.4	2659.3	2678.4
7022.9	27.5°	6533.2	5550.5	3491.5	2744.1	2541.7	2602.2	2579.7	2548.6	2546.9	2557.2
7228.8	30°	6521.1	5247.7	3155.9	2510.5	2446.5	2505.3	2451.7	2446.5	2441.3	2446.5
7538.5	32.5°	6521.1	4903.4	2898.1	2349.6	2385.9	2363.5	2358.3	2346.2	2325.4	2323.7
7958.9	35°	6557.5	4559.1	2676.6	2263.1	2335.8	2282.1	2285.6	2256.2	2212.9	2192.2
8516.1	37.5°	6631.9	4282.2	2456.9	2221.6	2247.5	2245.8	2232.0	2181.8	2105.7	2039.9
9211.6	40°	6811.8	4200.9	2306.4	2202.5	2206.0	2226.8	2190.4	2093.5	1920.5	1813.3
9917.5	42.5°	7093.8	4337.6	2273.5	2155.8	2178.3	2199.1	2128.1	1903.2	1780.4	1716.4
10658.0	45°	7452.0	4576.4	2344.4	2088.4	2112.6	2148.9	1937.8	1830.6	1775.2	1776.9
11391.6	47.5°	7905.3	4827.3	2475.9	2029.5	2017.4	2038.2	1811.5	1745.8	1669.6	1688.7
12095.8	50°	8429.5	5081.6	2600.5	1949.9	1911.9	1844.4	1730.2	1667.9	1571.0	1526.0
12775.8	52.5°	8997.0	5327.3	2650.7	1853.0	1797.7	1719.8	1674.8	1598.7	1481.1	1406.7
13417.7	55°	9535.1	5550.5	2595.3	1737.1	1683.5	1622.9	1616.0	1569.3	1443.0	1339.2
13988.7	57.5°	10043.8	5737.3	2456.9	1619.5	1567.6	1531.2	1577.9	1555.5	1396.3	1263.0
14528.5	60°	10474.6	5865.4	2256.2	1500.1	1463.8	1444.7	1515.7	1508.7	1330.5	1181.7
15013.0	62.5°	10817.2	5915.6	2034.7	1385.9	1377.2	1342.6	1429.1	1429.1	1247.5	1102.1
15438.6	65°	11085.4	5867.1	1809.8	1273.4	1290.7	1238.8	1323.6	1313.2	1159.2	1031.2
15928.2	67.5°	11322.4	5707.9	1560.6	1162.7	1202.5	1136.7	1212.9	1188.6	1062.3	960.3
16352.1	70°	11428.0	5337.7	1276.9	1052.0	1100.4	1036.4	1102.1	1057.2	953.3	884.1
15886.7	72.5°	10580.2	4436.2	1005.2	936.0	977.6	925.7	982.8	930.8	835.7	804.5
13718.8	75°	8753.1	3328.9	773.4	809.7	840.9	801.1	839.1	801.1	714.6	737.1
10133.8	77.5°	6356.8	2247.5	591.7	676.5	690.4	669.6	702.5	659.2	581.3	576.2
5050.5	80°	3161.1	1316.7	463.7	534.6	529.4	515.6	553.7	532.9	467.2	494.8
1363.4	82.5°	915.3	564.0	337.4	375.5	365.1	368.5	396.2	406.6	609.0	603.8
423.9	85°	287.2	221.5	202.4	209.4	199.0	204.2	233.6	463.7	429.1	250.9
131.5	87.5°	74.4	76.1	50.2	53.6	55.4	65.7	74.4	282.0	135.0	88.2
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>
5903.4
5621.4
5015.9
4180.2
3531.3
3230.3
3014.0
2939.6
2917.1
2832.3
2690.5
2574.5
2465.5
2346.2
2212.9
2062.4
1827.1
1716.4
1785.6
1737.1
1538.1
1404.9
1339.2
1256.1
1176.5
1096.9
1024.3
953.3
870.3
778.6
673.0
550.2
489.6
617.7
271.6
93.4
0.0

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