

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: P948933

Luminaire Tested: **GALN-SB3D-830-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948933  
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-SB3D-830-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

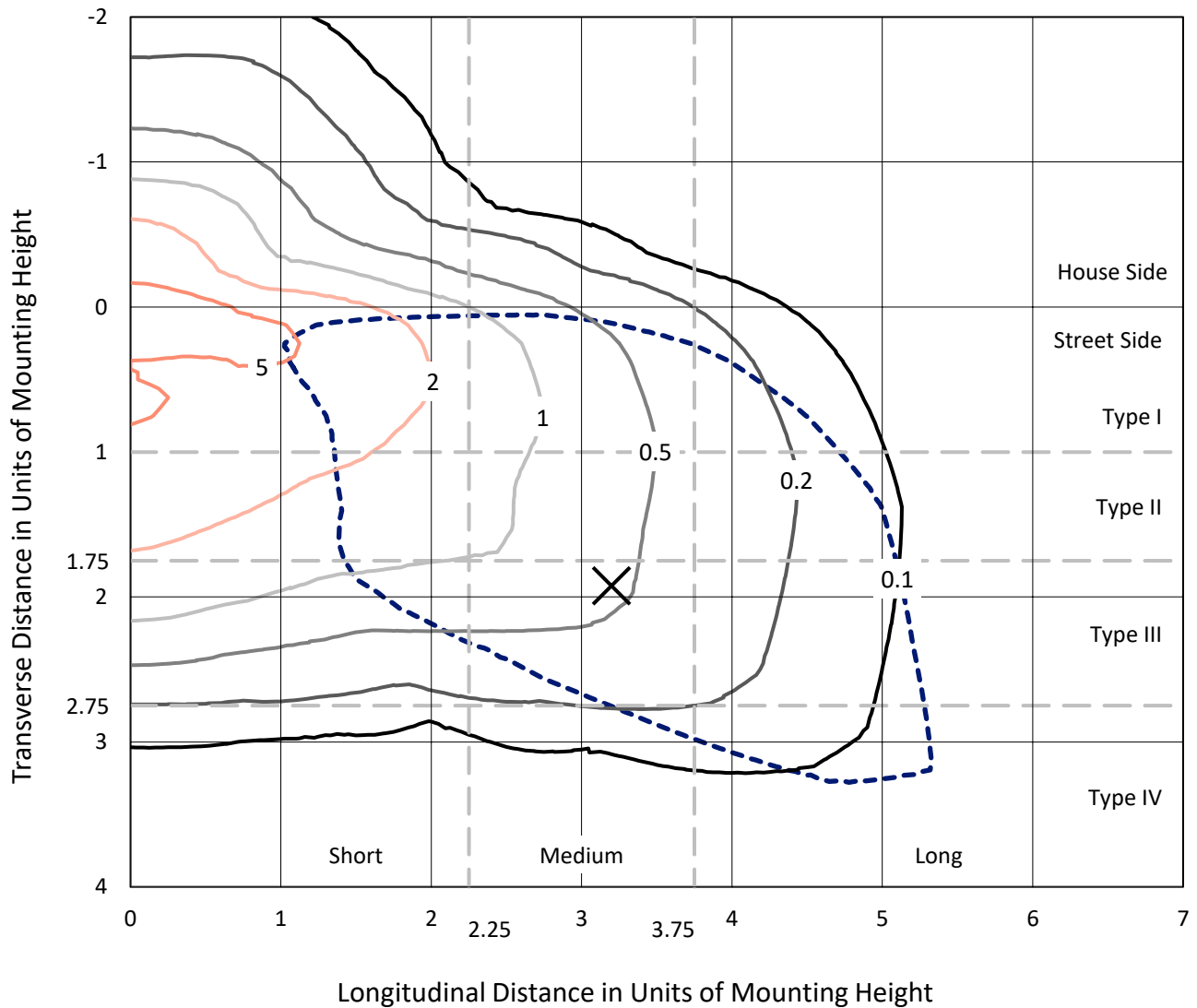
Lumens per Lamp: N/A  
Luminaire Lumens: 26813 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

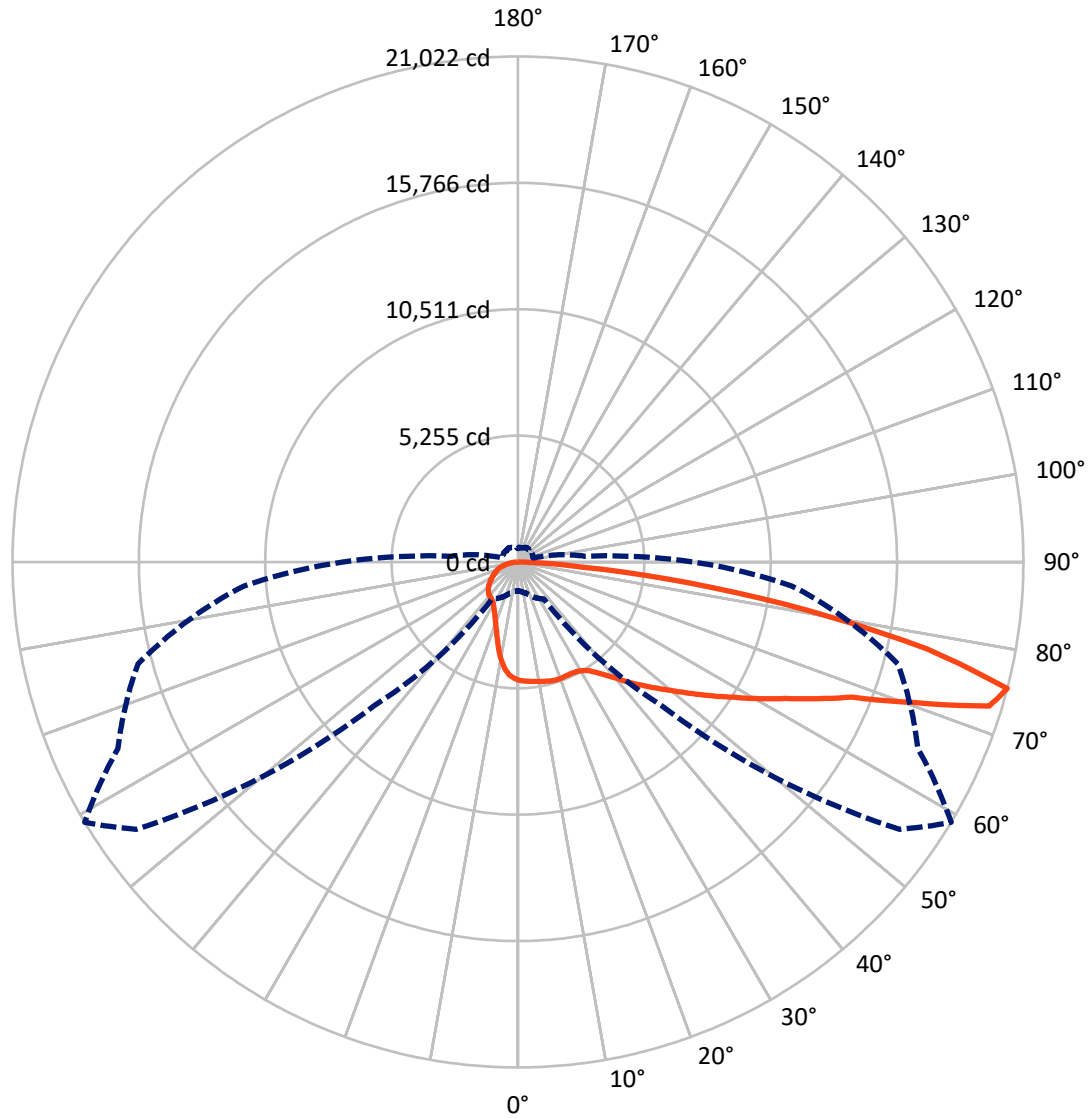
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	5029.0	0.0	5029.0
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	21784.0	0.0	21784.0
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	26813.0	0.0	26813.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.3	1.6
10°-20°	1128.0	4.2
20°-30°	1713.3	6.4
30°-40°	2546.8	9.5
40°-50°	3787.5	14.1
50°-60°	5141.0	19.2
60°-70°	6276.4	23.4
70°-80°	4925.6	18.4
80°-90°	853.2	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°	26813.0	100.0
0°-180°	26813.0	100.0



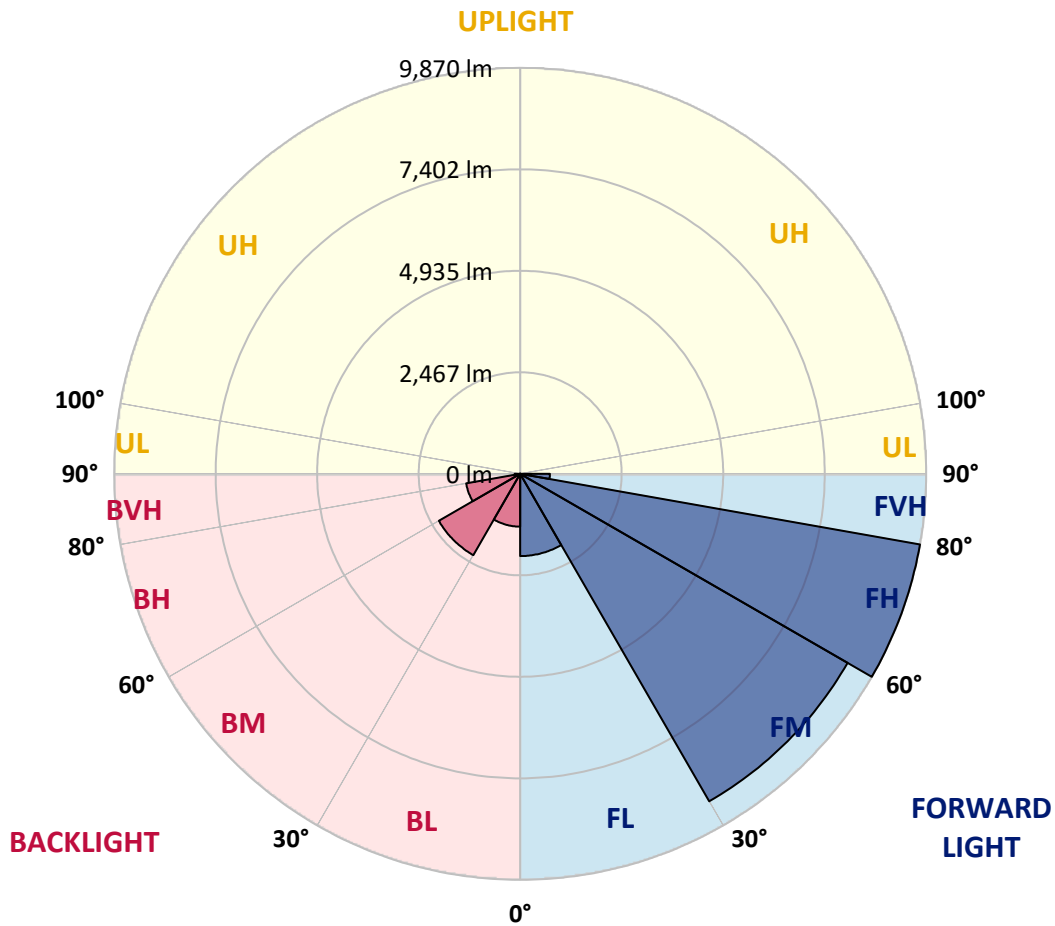
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1999.2	7.5			
FM (30°-60°)	9192.6	34.3			
FH (60°-80°)	9869.6	36.8			G4/12000
FVH (80°-90°)	722.6	2.7			G4/750
BL (0°-30°)	1283.3	4.8	B3/2500		
BM (30°-60°)	2282.7	8.5	B2/2500		
BH (60°-80°)	1332.4	5.0	B3/2500		G3/2500
BVH (80°-90°)	130.6	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-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5
2.5°	4963.3	4946.0	4963.3	4956.1	4953.2	4947.4	4948.9	4959.0	4953.2	4960.4
5°	4930.1	4920.0	4937.3	4933.0	4951.8	4954.6	4973.4	4984.9	4992.1	4993.6
7.5°	4875.3	4865.2	4889.7	4909.9	4950.3	4961.9	5000.8	5019.5	5029.6	5047.0
10°	4674.8	4670.5	4731.1	4807.5	4902.7	4961.9	5021.0	5052.7	5068.6	5114.7
12.5°	4320.0	4325.8	4405.1	4552.2	4742.6	4933.0	5044.1	5090.2	5114.7	5172.4
15°	3981.0	3979.6	4066.1	4223.3	4490.2	4806.1	5055.6	5134.9	5176.8	5261.9
17.5°	3784.9	3779.1	3839.7	3959.4	4207.5	4611.4	5026.8	5159.5	5248.9	5355.6
20°	3748.8	3737.3	3769.0	3828.1	4004.1	4397.9	4951.8	5159.5	5306.6	5445.1
22.5°	3880.1	3861.3	3848.3	3841.1	3919.0	4221.9	4866.7	5142.2	5391.7	5573.4
25°	4144.0	4115.2	4048.8	3983.9	3960.8	4142.6	4791.7	5137.8	5518.6	5746.5
27.5°	4571.0	4534.9	4400.8	4245.0	4105.1	4183.0	4758.5	5163.8	5658.5	5929.7
30°	5100.3	5061.4	4892.6	4653.2	4402.2	4333.0	4800.3	5240.2	5837.4	6173.5
32.5°	5574.9	5531.6	5387.4	5143.6	4804.6	4592.6	4933.0	5385.9	6118.7	6512.4
35°	5996.1	5945.6	5815.8	5590.7	5297.9	4957.5	5172.4	5644.1	6518.2	7063.4
37.5°	6408.6	6349.4	6208.1	5970.1	5765.3	5443.6	5502.8	5975.9	7049.0	7732.7
40°	6870.1	6785.0	6613.4	6378.3	6179.2	6013.4	5936.9	6382.6	7588.5	8479.9
42.5°	7317.3	7236.5	7031.7	6831.2	6581.7	6534.1	6440.3	6858.6	8178.4	9300.6
45°	7799.1	7702.4	7454.3	7200.5	7043.2	6880.2	6927.8	7334.6	8756.8	10137.2
47.5°	8250.5	8142.3	7849.5	7566.8	7480.3	7171.6	7375.0	7858.2	9358.3	10985.3
50°	8494.3	8387.6	8143.8	7888.5	7820.7	7530.8	7859.6	8433.7	9988.6	11830.6
52.5°	8697.7	8582.3	8263.5	8122.2	8102.0	7921.7	8456.8	9091.4	10618.9	12577.7
55°	8914.0	8785.7	8378.9	8252.0	8344.3	8360.1	9165.0	9837.2	11285.3	13306.1
57.5°	9163.6	9000.6	8490.0	8361.6	8580.8	8873.6	9978.5	10610.3	11940.2	13981.2
60°	9398.7	9234.2	8703.4	8536.1	8836.1	9469.4	10911.8	11546.4	12681.6	14582.7
62.5°	9444.8	9309.2	8873.6	8872.2	9182.3	10164.6	12016.6	12491.2	13329.2	15176.9
65°	8645.7	8560.6	8302.5	8859.2	9678.5	11165.6	13247.0	13699.9	14152.8	15696.2
67.5°	6580.2	6591.8	6573.0	7647.6	9277.5	12603.7	15028.4	14993.7	15169.7	16278.9
70°	3008.8	3076.6	3518.0	5279.2	7432.7	12769.6	17973.7	17525.2	16446.2	17033.3
72.5°	1625.6	1677.5	1857.8	2557.4	4468.6	11353.1	20174.8	20493.6	18143.9	17541.0
75°	1192.9	1221.7	1347.2	1625.6	1876.6	8438.0	19385.8	21021.5	18356.0	16356.8
77.5°	892.8	905.8	1008.2	1288.1	960.6	4448.4	15489.9	17409.8	15713.5	13438.8
80°	647.6	662.1	738.5	966.4	673.6	1627.0	10636.3	12220.0	10761.7	8566.4
82.5°	447.1	452.9	486.1	657.7	470.2	631.8	6035.0	7165.8	6007.6	3006.0
85°	269.7	276.9	291.4	383.7	266.8	300.0	2605.0	2694.4	1795.8	718.3
87.5°	111.1	118.3	129.8	161.5	105.3	83.7	429.8	539.5	336.1	210.6
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°
4921.5	0°	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5	4921.5
4935.9	2.5°	4928.7	4918.6	4891.2	4853.7	4819.1	4775.8	4757.0	4741.2	4726.7	4699.3
4974.8	5°	4959.0	4931.6	4858.0	4762.8	4654.6	4536.3	4421.0	4341.6	4273.8	4223.3
5019.5	7.5°	5005.1	4953.2	4819.1	4624.3	4376.2	4122.4	3893.0	3730.0	3607.4	3562.7
5083.0	10°	5052.7	4990.7	4757.0	4413.7	3985.3	3594.5	3290.1	3122.8	3024.7	2993.0
5158.0	12.5°	5109.0	5018.1	4660.4	4120.9	3548.3	3119.9	2854.5	2756.4	2705.9	2688.6
5250.3	15°	5191.2	5041.2	4514.7	3754.6	3131.4	2773.7	2602.1	2534.3	2508.3	2506.9
5345.5	17.5°	5253.2	5045.5	4288.3	3362.2	2811.2	2564.6	2423.2	2397.3	2414.6	2440.5
5439.3	20°	5322.5	5006.6	3991.1	3004.5	2586.2	2381.4	2322.3	2339.6	2381.4	2418.9
5563.3	22.5°	5371.5	4935.9	3632.0	2726.1	2391.5	2276.1	2273.2	2309.3	2332.4	2351.1
5709.0	25°	5414.8	4816.2	3251.2	2492.5	2231.4	2212.6	2244.4	2232.8	2217.0	2232.8
5854.7	27.5°	5446.5	4627.2	2910.8	2287.6	2118.9	2169.4	2150.6	2124.7	2123.2	2131.9
6026.3	30°	5436.4	4374.8	2630.9	2092.9	2039.6	2088.6	2043.9	2039.6	2035.2	2039.6
6284.5	32.5°	5436.4	4087.8	2416.0	1958.8	1989.1	1970.3	1966.0	1955.9	1938.6	1937.1
6635.0	35°	5466.7	3800.7	2231.4	1886.7	1947.2	1902.5	1905.4	1880.9	1844.8	1827.5
7099.5	37.5°	5528.7	3569.9	2048.2	1852.0	1873.7	1872.2	1860.7	1818.9	1755.4	1700.6
7679.3	40°	5678.7	3502.1	1922.7	1836.2	1839.1	1856.4	1826.1	1745.3	1601.1	1511.6
8267.8	42.5°	5913.8	3616.1	1895.3	1797.2	1816.0	1833.3	1774.2	1586.6	1484.2	1430.9
8885.2	45°	6212.4	3815.1	1954.5	1741.0	1761.2	1791.5	1615.5	1526.1	1479.9	1481.3
9496.8	47.5°	6590.3	4024.3	2064.1	1691.9	1681.8	1699.1	1510.2	1455.4	1391.9	1407.8
10083.8	50°	7027.4	4236.3	2167.9	1625.6	1593.9	1537.6	1442.4	1390.5	1309.7	1272.2
10650.7	52.5°	7500.5	4441.1	2209.8	1544.8	1498.7	1433.7	1396.2	1332.8	1234.7	1172.7
11185.8	55°	7949.1	4627.2	2163.6	1448.2	1403.5	1353.0	1347.2	1308.3	1203.0	1116.4
11661.8	57.5°	8373.1	4783.0	2048.2	1350.1	1306.8	1276.5	1315.5	1296.7	1164.0	1053.0
12111.8	60°	8732.3	4889.7	1880.9	1250.6	1220.3	1204.4	1263.5	1257.8	1109.2	985.2
12515.7	62.5°	9017.9	4931.6	1696.3	1155.4	1148.1	1119.3	1191.4	1191.4	1040.0	918.8
12870.5	65°	9241.5	4891.2	1508.7	1061.6	1076.0	1032.8	1103.4	1094.8	966.4	859.7
13278.7	67.5°	9439.1	4758.5	1301.0	969.3	1002.5	947.7	1011.1	990.9	885.6	800.5
13632.1	70°	9527.0	4449.8	1064.5	877.0	917.4	864.0	918.8	881.3	794.8	737.1
13244.1	72.5°	8820.3	3698.3	838.0	780.3	815.0	771.7	819.3	776.0	696.7	670.7
11436.8	75°	7297.1	2775.2	644.8	675.0	701.0	667.8	699.6	667.8	595.7	614.5
8448.1	77.5°	5299.4	1873.7	493.3	564.0	575.5	558.2	585.6	549.6	484.6	480.3
4210.4	80°	2635.3	1097.7	386.6	445.7	441.4	429.8	461.6	444.3	389.4	412.5
1136.6	82.5°	763.0	470.2	281.3	313.0	304.3	307.2	330.3	339.0	507.7	503.4
353.4	85°	239.4	184.6	168.8	174.5	165.9	170.2	194.7	386.6	357.7	209.1
109.6	87.5°	62.0	63.5	41.8	44.7	46.2	54.8	62.0	235.1	112.5	73.6
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>
4921.5
4686.4
4181.5
3484.8
2943.9
2693.0
2512.7
2450.6
2431.9
2361.2
2242.9
2146.3
2055.4
1955.9
1844.8
1719.3
1523.2
1430.9
1488.6
1448.2
1282.3
1171.2
1116.4
1047.2
980.8
914.5
853.9
794.8
725.5
649.1
<i>561.1</i>
458.7
408.2
514.9
226.5
77.9
0.0

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