

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: P949099

Luminaire Tested: **GALN-SB3D-950-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949099  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3D-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

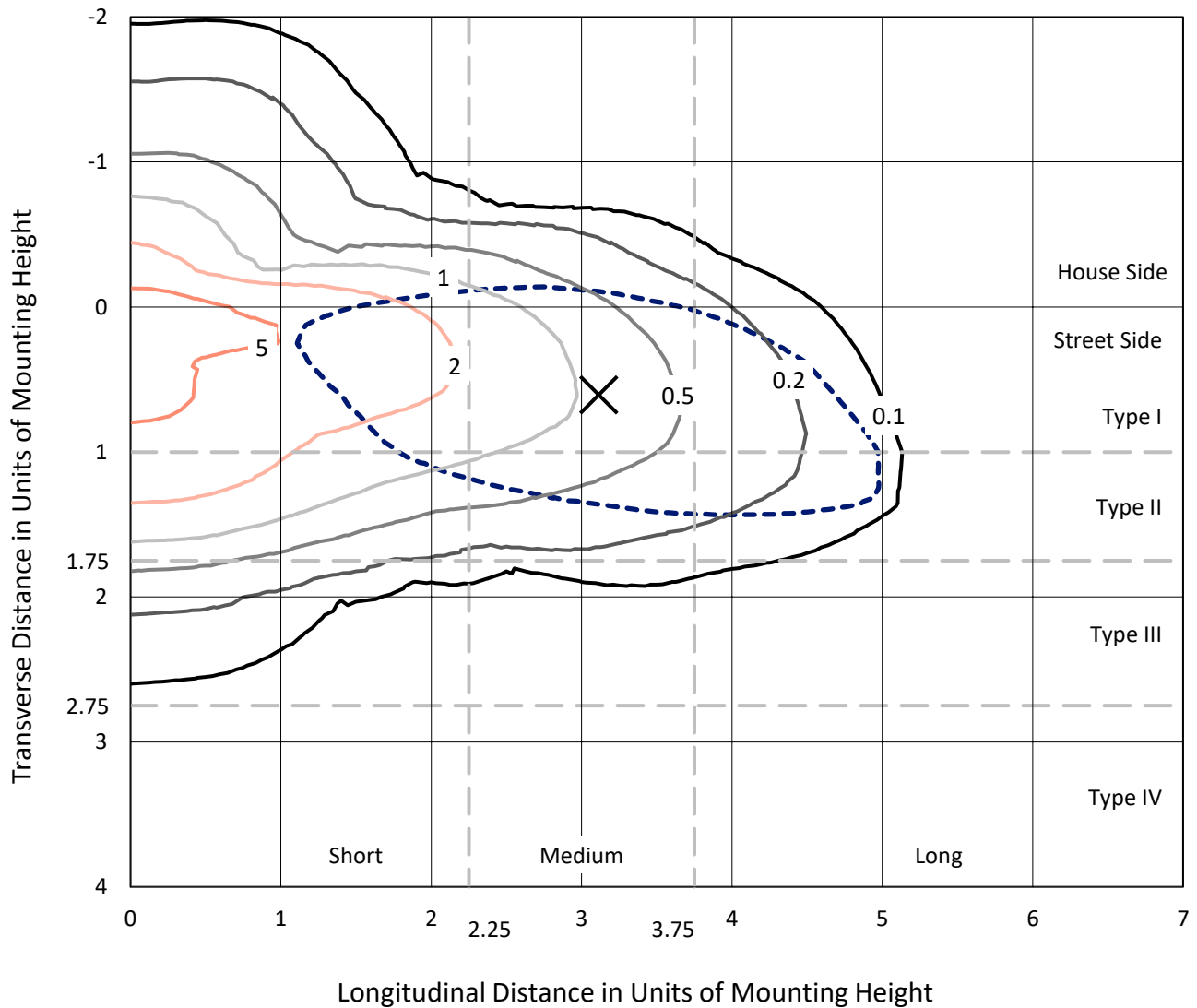
Lumens per Lamp: N/A  
Luminaire Lumens: 21111 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

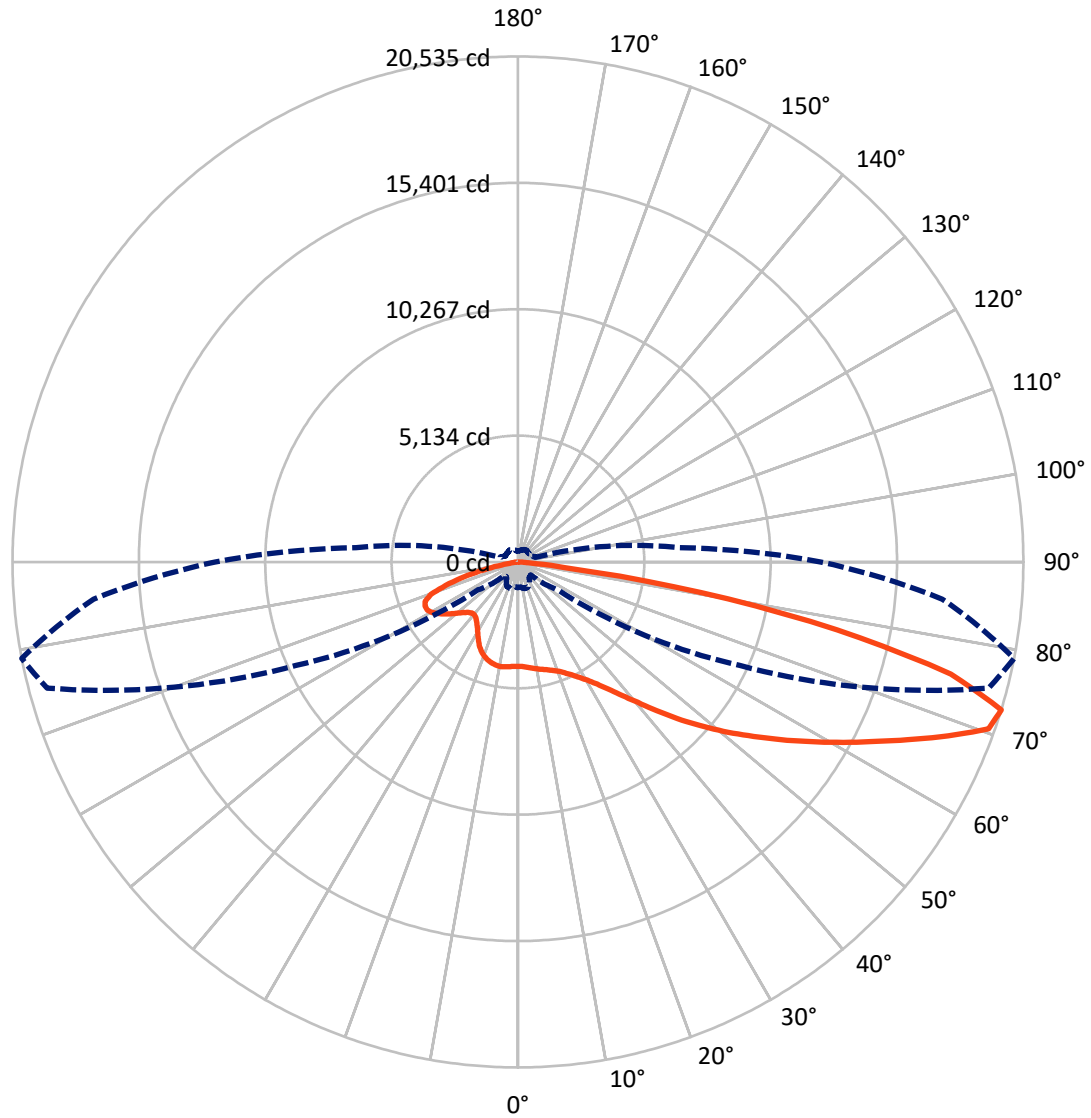
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4645.6	0.0	4645.6
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	16465.4	0.0	16465.4
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	21111.0	0.0	21111.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.7	1.8
10°-20°	1005.7	4.8
20°-30°	1622.8	7.7
30°-40°	2435.6	11.5
40°-50°	3455.1	16.4
50°-60°	4363.3	20.7
60°-70°	4431.5	21.0
70°-80°	3020.3	14.3
80°-90°	391.9	1.9
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°	21111.0	100.0
0°-180°	21111.0	100.0



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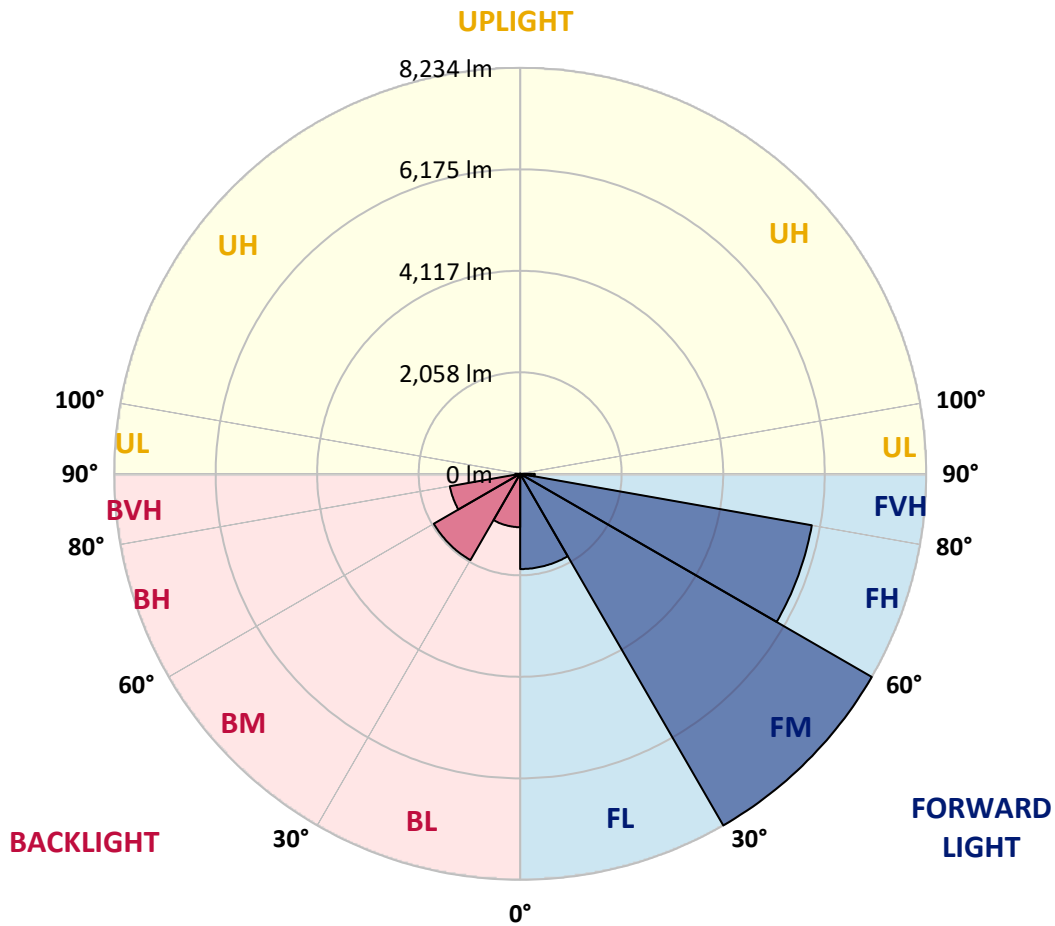
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.1	9.1			
FM (30°-60°)	8233.7	39.0			
FH (60°-80°)	6005.4	28.4			G3/7500
FVH (80°-90°)	295.2	1.4			G3/500
BL (0°-30°)	1082.1	5.1	B3/2500		
BM (30°-60°)	2020.3	9.6	B2/2500		
BH (60°-80°)	1446.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	96.7	0.5			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8
2.5°	4240.1	4220.0	4232.2	4227.8	4233.4	4240.1	4242.3	4245.6	4256.8	4255.7
5°	4231.1	4211.0	4227.8	4222.2	4236.7	4252.3	4265.7	4278.0	4295.9	4303.7
7.5°	4212.1	4198.7	4215.5	4232.2	4259.0	4282.5	4301.5	4329.4	4355.1	4359.6
10°	4101.6	4091.5	4130.6	4174.2	4247.9	4311.5	4352.9	4385.2	4413.2	4417.6
12.5°	3986.6	3974.3	4017.8	4077.0	4196.5	4311.5	4398.6	4441.1	4465.6	4480.2
15°	3967.6	3957.5	3982.1	4033.5	4132.9	4281.4	4429.9	4508.1	4529.3	4546.0
17.5°	4059.2	4040.2	4050.2	4068.1	4126.2	4253.5	4454.5	4584.0	4616.4	4634.3
20°	4271.3	4244.5	4228.9	4193.2	4183.1	4257.9	4452.2	4675.6	4718.0	4740.3
22.5°	4553.9	4536.0	4502.5	4412.0	4313.8	4312.7	4494.7	4792.8	4872.1	4893.3
25°	4895.6	4868.8	4826.3	4703.5	4514.8	4421.0	4566.1	4942.5	5075.3	5080.9
27.5°	5288.6	5248.4	5190.4	5028.4	4773.8	4590.7	4675.6	5114.4	5308.7	5306.5
30°	5702.9	5662.7	5601.3	5404.8	5084.3	4819.6	4827.4	5299.8	5585.7	5573.4
32.5°	6005.6	5975.4	5963.1	5811.2	5441.6	5089.9	5001.6	5505.3	5927.4	5916.2
35°	6237.8	6198.7	6213.3	6136.2	5831.3	5392.5	5214.9	5749.8	6342.8	6341.7
37.5°	6467.9	6433.2	6445.5	6394.2	6192.0	5776.6	5475.1	6049.1	6857.6	6882.2
40°	6677.8	6640.9	6690.1	6642.1	6472.3	6185.3	5771.0	6387.5	7453.9	7500.8
42.5°	6804.0	6774.9	6856.5	6857.6	6715.8	6530.4	6096.0	6760.4	8144.0	8249.0
45°	6847.5	6837.5	6960.3	6986.0	6931.3	6730.3	6388.6	7166.9	8887.7	9075.3
47.5°	6800.6	6781.6	6951.4	7046.3	7089.9	6824.1	6630.9	7606.9	9647.1	9921.8
50°	6563.9	6527.0	6779.4	6979.3	7134.5	6885.5	6875.5	8115.0	10510.3	10810.7
52.5°	6138.4	6110.5	6397.5	6744.8	7036.3	6915.7	7150.2	8670.0	11329.9	11718.5
55°	5594.6	5557.8	5873.8	6327.2	6791.7	6905.6	7424.9	9290.8	12297.0	12691.2
57.5°	4732.5	4658.8	5058.6	5594.6	6393.0	6893.3	7710.7	9908.4	13279.7	13752.0
60°	3475.1	3365.7	3855.9	4491.3	5613.6	6773.8	8064.7	10600.7	14458.9	14884.3
62.5°	2023.4	1959.8	2280.3	2873.2	4231.1	6070.3	8263.5	11405.9	15618.0	16064.7
65°	1571.2	1553.3	1581.2	1627.0	2355.1	4544.9	7650.4	12190.9	17092.0	17404.7
67.5°	1437.2	1423.8	1436.1	1350.1	1194.9	2531.5	6052.5	12389.7	18671.0	18860.9
70°	1277.5	1261.9	1302.1	1228.4	940.3	1151.3	3910.6	11668.3	19927.3	20283.5
72.5°	1040.8	1022.9	1116.7	1083.2	791.7	739.2	1964.3	9954.2	19795.5	20534.8
75°	799.5	789.5	901.2	929.1	645.4	581.8	942.5	7399.2	17420.3	18165.2
77.5°	620.9	613.1	670.0	771.6	520.4	451.1	579.6	4693.4	13127.8	13258.4
80°	465.7	443.3	495.8	597.4	405.4	329.4	393.1	2737.0	8298.1	7522.0
82.5°	291.5	280.3	323.8	398.7	285.9	226.7	255.7	1512.0	3325.5	1958.7
85°	166.4	161.9	176.4	227.8	155.2	130.7	146.3	667.8	607.5	417.6
87.5°	67.0	64.8	80.4	101.6	57.0	48.0	51.4	160.8	134.0	124.0
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°
4237.8	0°	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8	4237.8
4254.6	2.5°	4250.1	4250.1	4234.5	4209.9	4182.0	4164.1	4135.1	4127.3	4097.1	4088.2
4292.6	5°	4301.5	4292.6	4244.5	4175.3	4080.4	3993.3	3897.2	3836.9	3752.1	3721.9
4367.4	7.5°	4366.3	4341.7	4259.0	4107.2	3908.4	3713.0	3509.8	3355.6	3208.2	3155.8
4428.8	10°	4425.4	4390.8	4250.1	3984.3	3640.4	3302.0	2978.2	2751.5	2579.6	2509.2
4496.9	12.5°	4484.6	4421.0	4190.9	3780.0	3259.6	2800.7	2455.6	2279.2	2173.1	2088.2
4552.7	15°	4540.5	4451.1	4099.4	3506.4	2842.0	2376.3	2121.7	1981.0	1896.1	1840.3
4634.3	17.5°	4605.2	4476.8	3962.0	3159.1	2444.4	2082.6	1874.9	1790.1	1773.3	1766.6
4745.9	20°	4695.7	4500.3	3781.1	2770.5	2151.9	1848.1	1740.9	1733.1	1732.0	1728.6
4879.9	22.5°	4792.8	4528.2	3542.1	2417.6	1902.8	1701.8	1682.8	1667.2	1657.2	1656.0
5041.8	25°	4907.8	4537.1	3242.9	2128.4	1690.7	1632.6	1610.3	1586.8	1580.1	1580.1
5226.1	27.5°	5019.5	4507.0	2894.5	1877.2	1571.2	1568.9	1539.9	1532.1	1531.0	1534.3
5436.0	30°	5131.2	4450.0	2548.3	1644.9	1501.9	1501.9	1491.9	1497.5	1501.9	1513.1
5724.1	32.5°	5281.9	4389.7	2259.1	1472.9	1441.6	1430.5	1440.5	1451.7	1456.2	1470.7
6102.7	35°	5503.0	4347.3	2029.0	1379.1	1379.1	1364.6	1370.2	1367.9	1357.9	1351.2
6560.5	37.5°	5795.6	4345.0	1839.2	1335.6	1326.6	1324.4	1325.5	1311.0	1271.9	1225.0
7114.4	40°	6147.4	4405.3	1692.9	1305.4	1298.7	1312.1	1305.4	1266.3	1159.1	1077.6
7795.6	42.5°	6619.7	4577.3	1599.1	1268.6	1288.7	1305.4	1278.6	1143.5	1070.9	1016.2
8571.7	45°	7175.8	4856.5	1551.1	1229.5	1269.7	1289.8	1160.2	1101.1	1043.0	977.1
9418.2	47.5°	7805.7	5208.2	1539.9	1192.6	1227.2	1239.5	1110.0	1083.2	1017.3	945.8
10269.1	50°	8491.3	5624.8	1570.1	1149.1	1165.8	1123.4	1093.2	1068.7	1000.6	930.2
11141.2	52.5°	9200.4	6083.7	1630.4	1089.9	1104.4	1057.5	1086.5	1065.3	990.5	895.6
12042.4	55°	9897.2	6546.0	1688.4	1020.7	1041.9	998.3	1067.6	1051.9	944.7	837.5
13003.8	57.5°	10605.2	7006.1	1745.4	959.2	981.6	941.4	1037.4	1016.2	893.4	783.9
14053.5	60°	11341.1	7452.8	1772.2	900.1	915.7	888.9	991.6	954.8	835.3	729.2
15085.3	62.5°	12030.1	7824.6	1728.6	840.9	850.9	839.7	931.3	882.2	777.2	667.8
16160.7	65°	12721.3	8045.7	1594.6	782.8	785.0	779.4	846.4	804.0	709.1	614.2
17102.1	67.5°	13347.8	8169.7	1381.3	720.3	714.7	712.4	767.2	719.1	643.2	560.6
17817.9	70°	13480.7	7854.8	1055.3	646.6	646.6	641.0	680.1	630.9	570.6	503.6
17305.3	72.5°	12312.6	6607.4	749.3	562.8	571.7	560.6	593.0	551.6	496.9	452.3
14914.5	75°	9928.5	4845.3	544.9	476.8	492.5	473.5	503.6	474.6	427.7	426.6
10278.0	77.5°	6821.8	2996.1	395.3	393.1	404.2	379.7	414.3	398.7	356.2	337.2
4473.5	80°	2911.2	1194.9	288.1	303.7	303.7	281.4	321.6	326.1	289.2	280.3
863.2	82.5°	579.6	339.5	202.1	208.8	196.5	189.8	227.8	252.4	348.4	387.5
260.2	85°	174.2	125.1	121.7	113.9	100.5	101.6	134.0	253.5	312.7	178.7
86.0	87.5°	48.0	31.3	32.4	25.7	21.2	27.9	45.8	192.1	105.0	44.7
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>
4237.8
4102.7
3744.3
3162.5
2524.8
2116.1
1850.4
1771.1
1739.8
1668.3
1586.8
1543.3
1520.9
1483.0
1366.8
1226.1
1075.4
1014.0
972.6
940.3
922.4
888.9
831.9
781.7
725.8
666.7
607.5
553.9
501.4
438.9
384.1
316.0
280.3
388.6
154.1
38.0
0.0

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