

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: P948878

Luminaire Tested: **GALN-SB3D-750-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3D-750-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

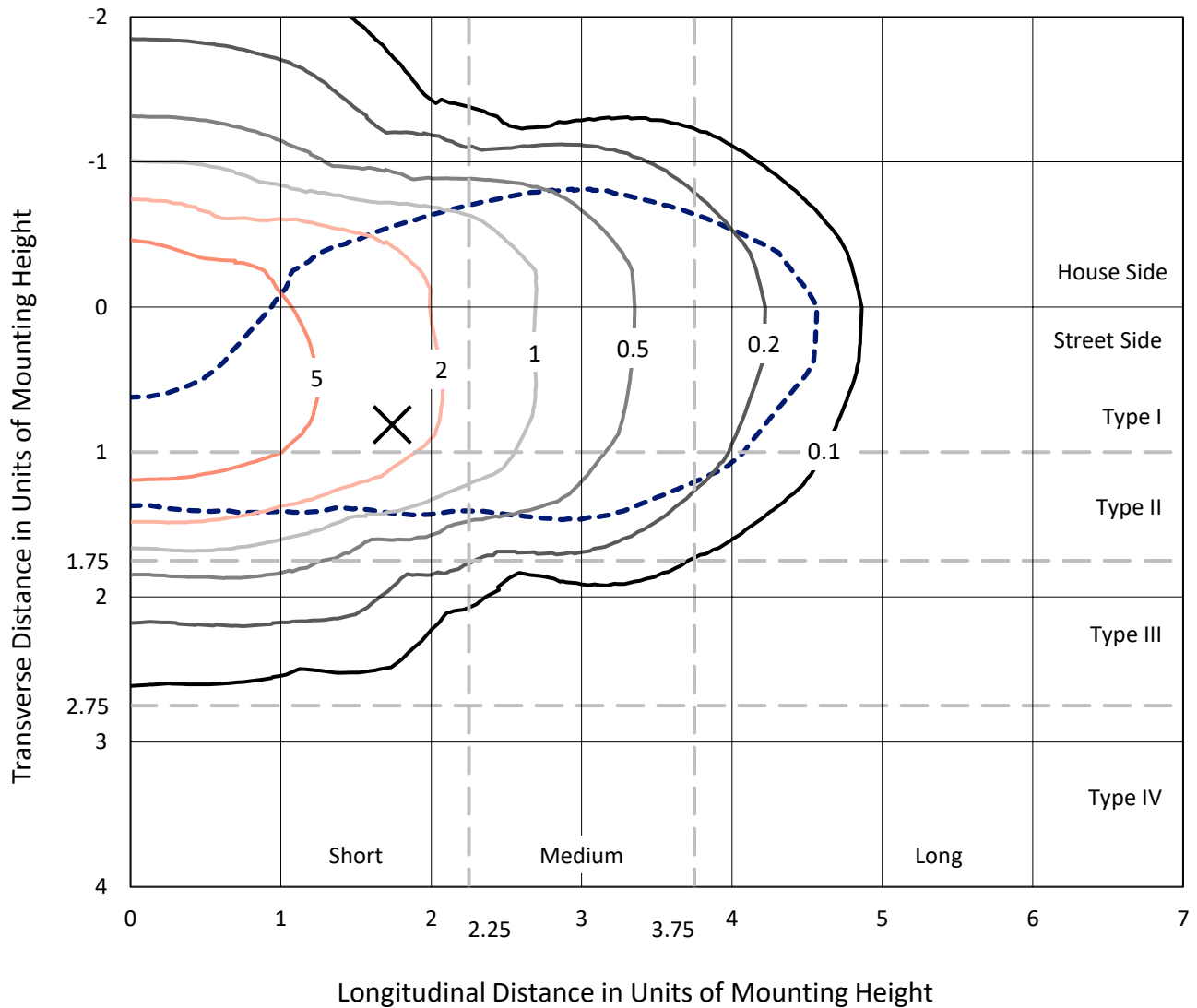
Lumens per Lamp: N/A  
Luminaire Lumens: 32735 lumens  
Efficiency: N/A  
Efficacy: 150.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

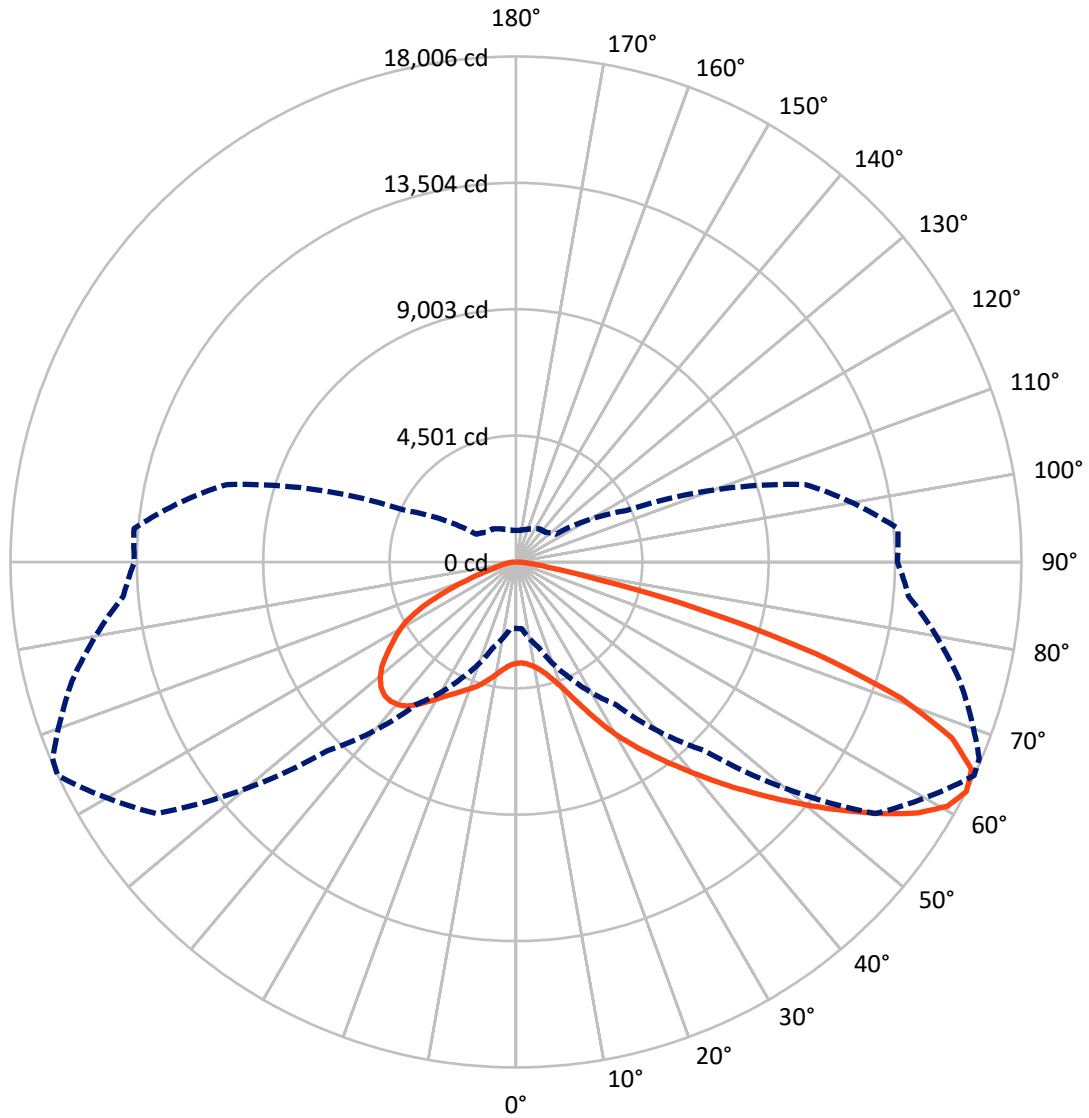
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10329.7	0.0	10329.7
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	22405.3	0.0	22405.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	32735.0	0.0	32735.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.6	1.1
10°-20°	1219.6	3.7
20°-30°	2472.8	7.6
30°-40°	4279.1	13.1
40°-50°	6475.7	19.8
50°-60°	7592.3	23.2
60°-70°	6365.2	19.4
70°-80°	3514.1	10.7
80°-90°	456.5	1.4
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°	32735.0	100.0
0°-180°	32735.0	100.0



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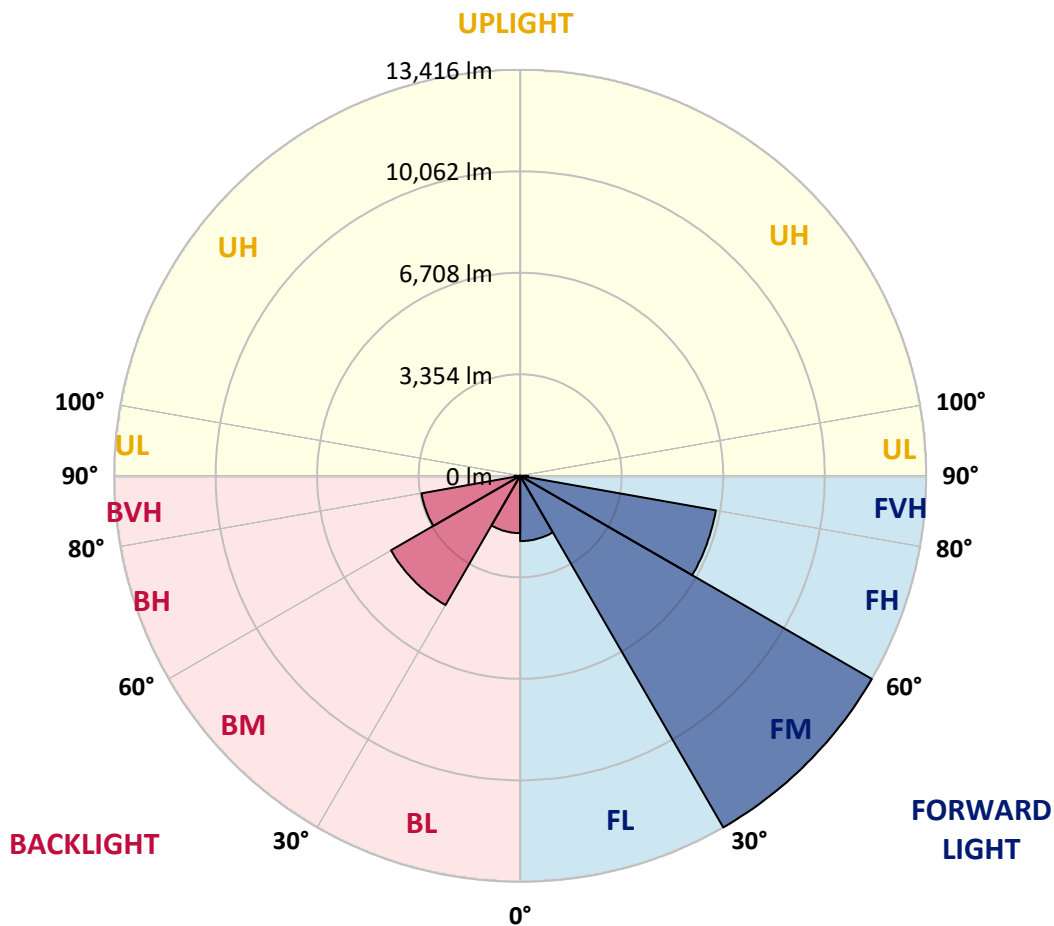
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2157.7	6.6			
FM (30°-60°)	13415.9	41.0			
FH (60°-80°)	6565.7	20.1			G3/7500
FVH (80°-90°)	266.0	0.8			G3/500
BL (0°-30°)	1894.3	5.8	B3/2500		
BM (30°-60°)	4931.3	15.1	B3/5000		
BH (60°-80°)	3313.7	10.1	B4/5000		G4/5000
BVH (80°-90°)	190.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3
2.5°	3583.5	3573.3	3581.8	3581.8	3585.2	3583.5	3595.4	3598.8	3603.9	3614.0
5°	3547.8	3546.1	3561.4	3575.0	3588.6	3600.5	3615.7	3637.8	3641.2	3653.1
7.5°	3535.9	3525.7	3549.5	3566.5	3598.8	3627.6	3668.4	3705.8	3721.0	3726.1
10°	3627.6	3610.7	3632.7	3642.9	3670.1	3699.0	3746.5	3806.0	3822.9	3843.3
12.5°	3783.9	3765.2	3797.5	3812.8	3838.2	3863.7	3896.0	3953.7	3962.2	3999.6
15°	3997.9	3975.8	3996.2	4014.9	4057.3	4081.1	4113.4	4169.4	4169.4	4198.3
17.5°	4288.3	4259.4	4274.7	4281.5	4308.7	4344.3	4398.7	4447.9	4473.4	4463.2
20°	4721.4	4685.7	4685.7	4651.7	4641.5	4670.4	4741.7	4809.7	4836.8	4784.2
22.5°	5371.8	5320.9	5292.0	5176.5	5130.7	5134.1	5205.4	5288.6	5310.7	5217.3
25°	6198.9	6119.1	6080.0	5910.2	5806.6	5716.6	5772.6	5879.6	5910.2	5794.7
27.5°	7026.0	7031.1	6993.7	6789.9	6618.4	6453.7	6424.8	6536.9	6569.1	6438.4
30°	8186.0	8065.4	7994.0	7749.5	7504.9	7274.0	7155.1	7200.9	7209.4	7053.2
32.5°	9186.3	9155.7	9002.9	8788.9	8474.7	8112.9	7914.2	7841.2	7827.6	7605.1
35°	10325.9	10308.9	10147.5	9892.8	9553.1	9050.4	8692.1	8483.2	8466.2	8153.7
37.5°	11484.1	11484.1	11326.2	11047.6	10696.1	10067.7	9522.5	9191.4	9137.0	8729.4
40°	12408.0	12352.0	12380.8	12263.6	11861.1	11193.7	10444.7	9964.1	9891.1	9402.0
42.5°	12932.8	12914.1	13087.3	13218.1	13053.4	12520.1	11460.3	10801.4	10699.5	10142.4
45°	13050.0	13029.6	13338.7	13817.6	14048.6	13829.5	12564.3	11682.8	11558.8	10916.9
47.5°	12779.9	12739.2	13192.6	13948.4	14688.9	15074.4	13759.9	12639.0	12459.0	11670.9
50°	11968.1	11929.1	12615.2	13618.9	14904.6	15920.2	15057.4	13652.9	13377.8	12479.3
52.5°	10203.6	10222.3	11297.3	12676.3	14620.9	16446.6	16174.9	14721.1	14390.0	13306.4
55°	7948.2	7988.9	9310.3	10828.6	13486.4	16366.8	16937.5	15821.7	15492.2	14084.3
57.5°	5691.1	5871.1	7109.2	8612.2	11307.5	15101.6	17103.9	16867.8	16548.5	14933.4
60°	3688.8	3721.0	4994.8	6509.7	8610.5	12853.0	16765.9	17660.9	17411.3	15799.6
62.5°	2364.1	2386.2	3162.3	4553.2	6197.2	9509.0	15628.0	18005.7	17929.3	16371.9
65°	1737.4	1720.4	2124.6	3009.4	4174.5	5864.3	13418.5	17839.3	17990.4	16730.3
67.5°	1450.4	1426.6	1625.3	2083.9	3075.7	3330.4	9928.4	16757.4	17311.1	16689.5
70°	1321.3	1300.9	1421.5	1547.2	2399.7	2229.9	5005.0	14568.3	15420.8	16225.9
72.5°	1119.2	1083.5	1248.3	1373.9	1866.5	1710.2	2068.6	11190.3	12229.7	14739.8
75°	867.8	844.1	985.0	1209.2	1402.8	1334.9	1307.7	6795.0	7929.5	11399.2
77.5°	687.8	655.6	784.6	942.6	1261.9	1007.1	952.8	2926.2	4050.5	7277.3
80°	518.0	489.1	596.1	745.6	969.7	759.2	616.5	1193.9	1526.8	3687.1
82.5°	368.5	343.1	416.1	546.9	652.2	681.0	378.7	669.1	752.4	1421.5
85°	236.1	220.8	278.5	343.1	414.4	438.2	231.0	349.9	383.8	585.9
87.5°	129.1	105.3	149.5	159.6	191.9	174.9	110.4	127.4	137.6	212.3
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°
3607.3	0°	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3	3607.3
3614.0	2.5°	3620.8	3625.9	3642.9	3648.0	3659.9	3675.2	3685.4	3695.6	3695.6	3705.8
3668.4	5°	3670.1	3682.0	3717.6	3736.3	3766.9	3797.5	3816.1	3838.2	3851.8	3858.6
3755.0	7.5°	3765.2	3783.9	3834.8	3867.1	3919.7	3962.2	3991.1	4021.6	4028.4	4047.1
3875.6	10°	3894.3	3916.4	3974.1	4035.2	4098.1	4150.7	4177.9	4200.0	4208.5	4211.9
4030.1	12.5°	4042.0	4074.3	4149.0	4223.7	4290.0	4335.8	4342.6	4337.5	4313.8	4293.4
4220.4	15°	4223.7	4252.6	4335.8	4417.4	4481.9	4490.4	4447.9	4420.8	4391.9	4386.8
4432.6	17.5°	4441.1	4456.4	4532.8	4612.7	4617.8	4588.9	4526.1	4500.6	4473.4	4454.7
4709.5	20°	4694.2	4689.1	4743.4	4777.4	4741.7	4653.4	4558.3	4515.9	4488.7	4466.6
5049.1	22.5°	4996.5	4957.4	4950.6	4942.1	4847.0	4661.9	4532.8	4478.5	4436.0	4405.5
5523.0	25°	5436.4	5286.9	5183.3	5125.6	4911.6	4616.1	4451.3	4330.7	4250.9	4198.3
6102.1	27.5°	5986.6	5735.3	5473.7	5332.8	4911.6	4522.7	4254.3	4059.0	3928.2	3873.9
6662.6	30°	6511.4	6248.2	5862.6	5582.4	4899.7	4369.8	3936.7	3665.0	3512.1	3457.8
7141.5	32.5°	6959.8	6672.7	6275.3	5855.8	4870.8	4121.8	3542.7	3242.1	3094.4	3029.8
7615.3	35°	7375.9	7070.2	6689.7	6156.4	4794.4	3758.4	3109.6	2880.4	2715.6	2612.0
8097.6	37.5°	7802.1	7438.7	7082.0	6428.2	4656.8	3333.8	2776.8	2581.5	2387.9	2248.6
8610.5	40°	8265.8	7831.0	7501.5	6589.5	4430.9	2929.6	2518.6	2340.3	2134.8	1987.0
9201.6	42.5°	8807.5	8301.4	7968.6	6672.7	4121.8	2642.6	2350.5	2175.6	1982.0	1861.4
9835.0	45°	9373.1	8819.4	8394.9	6671.0	3777.1	2508.4	2296.1	2122.9	1908.9	1783.2
10485.5	47.5°	9965.8	9361.2	8763.4	6562.4	3478.2	2527.1	2265.6	2009.1	1773.1	1650.8
11142.7	50°	10560.2	9953.9	9120.0	6358.6	3350.8	2486.4	2151.8	1849.5	1571.0	1460.6
11759.2	52.5°	11149.5	10584.0	9427.4	6068.1	3221.7	2335.2	2005.7	1642.3	1487.7	1411.3
12396.1	55°	11742.3	11207.3	9762.0	5645.3	2899.1	2158.6	1761.2	1564.2	1421.5	1351.9
13019.4	57.5°	12336.7	11927.4	10079.6	5222.4	2493.1	1941.2	1627.0	1469.1	1355.3	1295.8
13540.8	60°	12954.9	12751.1	10407.4	4833.5	2092.3	1662.7	1528.5	1392.6	1277.1	1210.9
14041.8	62.5°	13591.7	13658.0	10663.8	4332.4	1723.8	1492.8	1440.2	1300.9	1188.8	1126.0
14456.2	65°	14233.7	14532.6	10832.0	3637.8	1397.7	1331.5	1345.1	1200.7	1086.9	1032.6
14760.2	67.5°	14717.7	15162.7	10784.4	2753.0	1146.4	1178.6	1226.2	1095.4	988.4	946.0
14710.9	70°	14772.1	15088.0	10315.7	1885.1	959.6	1029.2	1093.7	991.8	881.4	850.9
14018.0	72.5°	14048.6	14069.0	9009.6	1231.3	811.8	903.5	954.5	886.5	779.5	749.0
12263.6	75°	12151.6	11635.3	6615.0	811.8	679.3	776.1	823.7	776.1	672.5	679.3
9176.1	77.5°	9206.7	8240.3	4016.6	577.4	567.2	652.2	716.7	682.7	594.4	667.4
4614.4	80°	4743.4	4458.1	1791.7	431.4	448.4	521.4	589.3	545.2	470.4	448.4
1030.9	82.5°	1086.9	1263.6	706.5	309.1	324.4	375.3	450.1	409.3	338.0	285.3
429.7	85°	380.4	416.1	312.5	193.6	190.2	234.4	305.7	273.4	229.3	183.4
181.7	87.5°	120.6	157.9	117.2	78.1	81.5	105.3	141.0	129.1	107.0	69.6
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>
3607.3
3705.8
3862.0
4040.3
4203.4
4293.4
4386.8
4456.4
4468.3
4415.7
4218.7
3901.1
3490.1
3062.1
2646.0
2286.0
2015.9
1885.1
1803.6
1667.8
1467.4
1411.3
1345.1
1285.6
1205.8
1124.3
1030.9
947.7
852.6
747.3
655.6
587.6
409.3
281.9
193.6
73.0
0.0

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