

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: P942324

Luminaire Tested: **GALN-SB6B-740-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-740-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26381 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

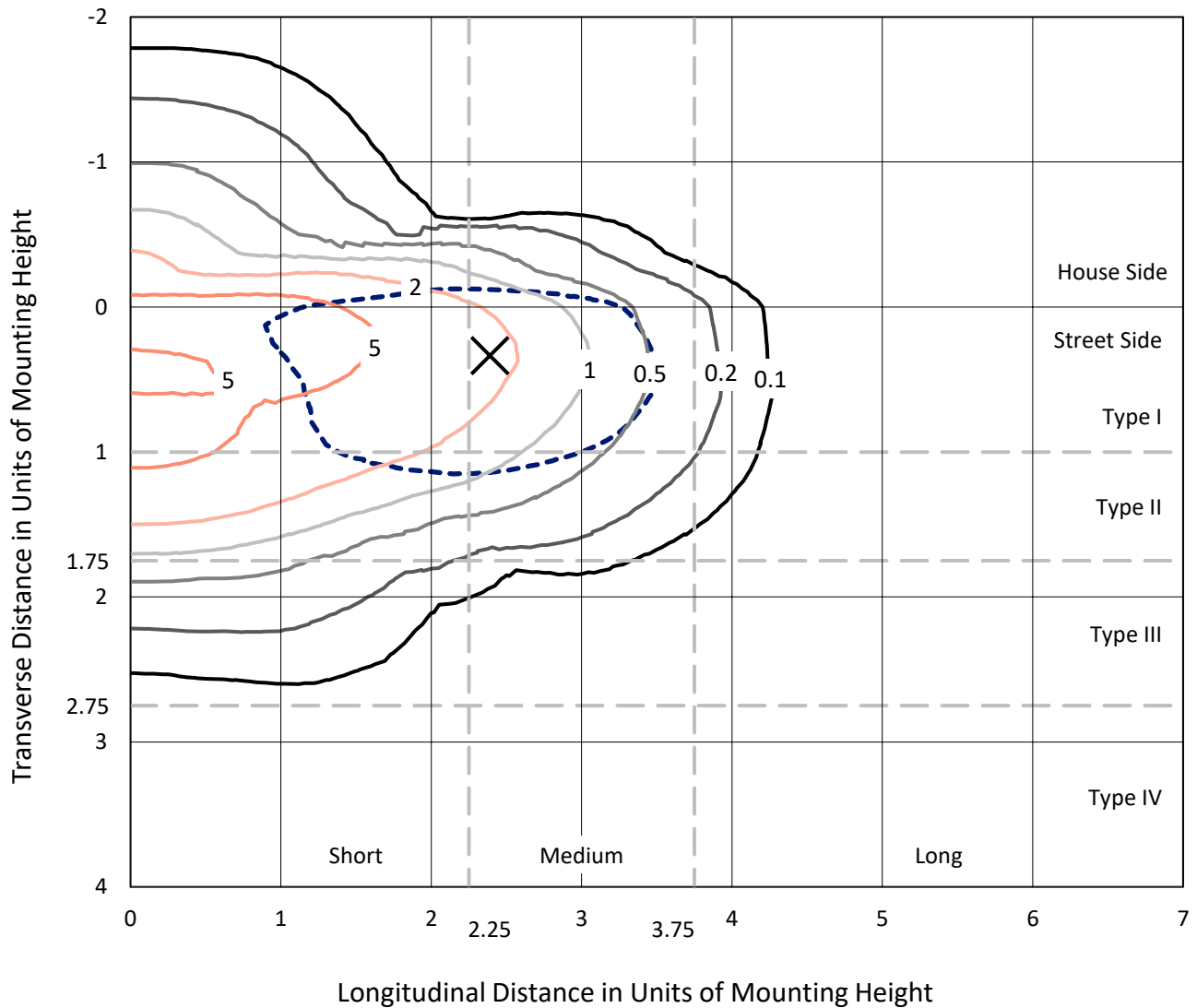
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

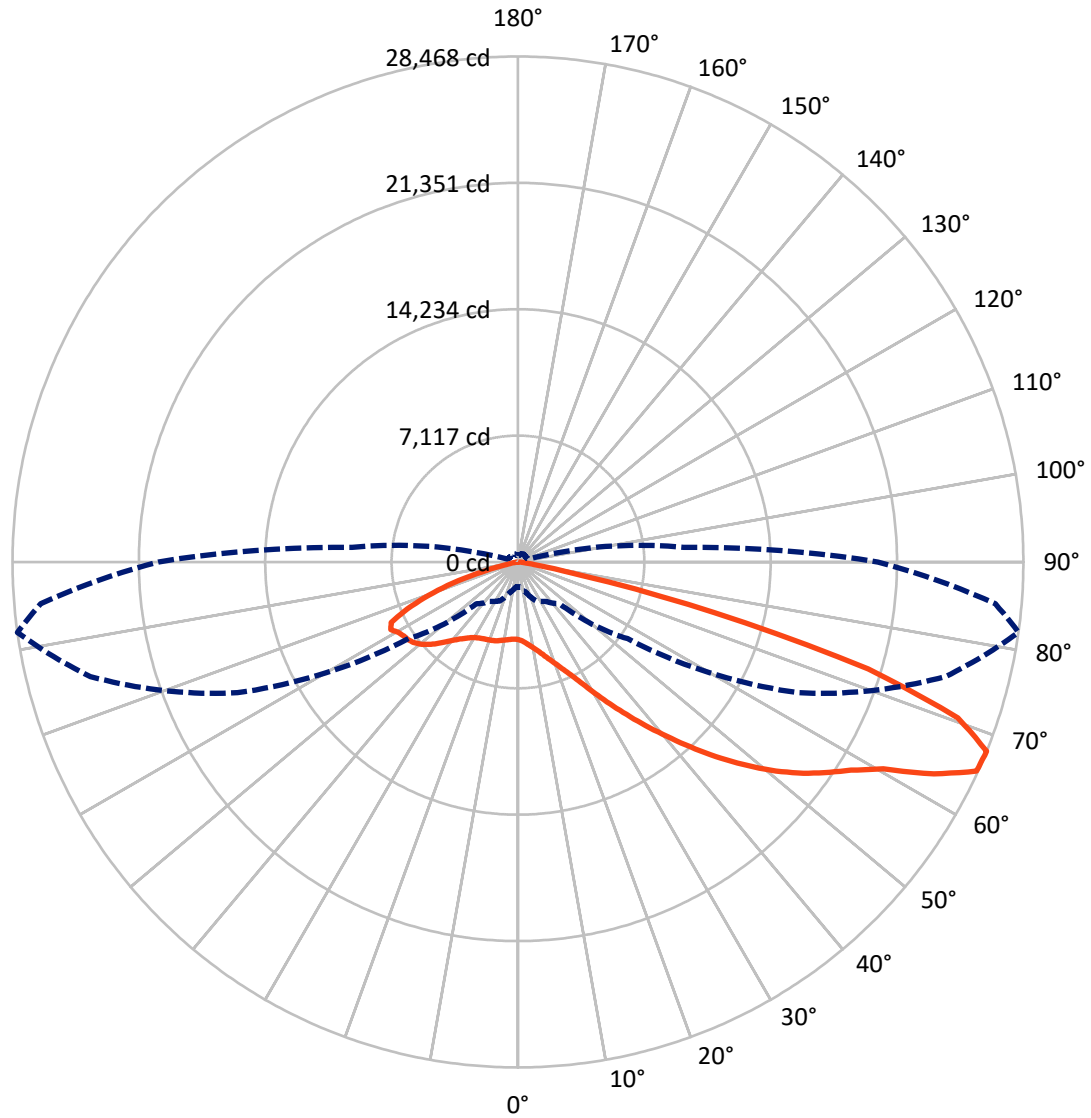
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4778.7	0.0	4778.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21602.3	0.0	21602.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	26381.0	0.0	26381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.4	1.5
10°-20°	1011.8	3.8
20°-30°	1620.6	6.1
30°-40°	2865.7	10.9
40°-50°	5021.1	19.0
50°-60°	6696.7	25.4
60°-70°	6234.3	23.6
70°-80°	2392.7	9.1
80°-90°	148.6	0.6
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°	26381.0	100.0
0°-180°	26381.0	100.0

Coefficient of Utilization



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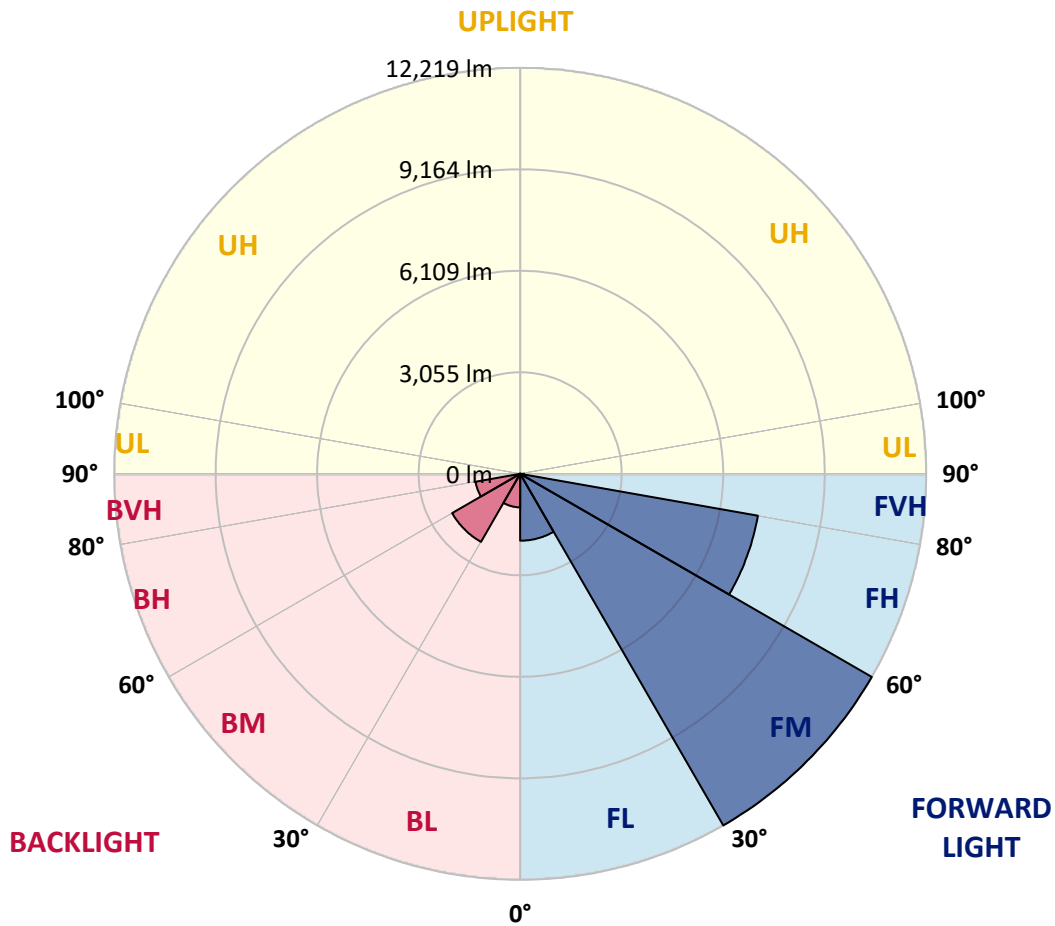
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2012.6	7.6			
FM (30°-60°)	12218.6	46.3			
FH (60°-80°)	7263.1	27.5			G3/7500
FVH (80°-90°)	108.0	0.4			G2/225
BL (0°-30°)	1009.2	3.8	B3/2500		
BM (30°-60°)	2364.9	9.0	B2/2500		
BH (60°-80°)	1363.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	40.6	0.2			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°	82°
0°	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4
2.5°	4619.3	4645.8	4630.7	4623.1	4609.8	4590.8	4575.6	4528.1	4478.7	4446.4
5°	4712.3	4738.9	4737.0	4744.6	4754.1	4759.8	4756.0	4702.8	4632.6	4577.5
7.5°	4632.6	4662.9	4687.6	4725.6	4792.1	4862.4	4896.6	4885.2	4813.0	4737.0
10°	4406.5	4438.8	4497.7	4587.0	4727.5	4879.5	5006.7	5065.6	5020.0	4936.4
12.5°	3992.5	4024.8	4140.6	4334.4	4569.9	4833.9	5077.0	5234.7	5246.0	5162.5
15°	3527.1	3559.4	3682.9	3926.0	4285.0	4708.5	5115.0	5413.2	5513.9	5441.7
17.5°	3238.4	3266.9	3360.0	3555.6	3929.8	4457.8	5101.7	5603.1	5833.0	5776.0
20°	3151.0	3175.7	3219.4	3356.2	3667.7	4197.6	5014.3	5781.7	6176.7	6144.4
22.5°	3244.1	3266.9	3280.2	3341.0	3536.6	4026.7	4904.2	5964.0	6575.6	6579.4
25°	3458.7	3481.5	3466.3	3504.3	3589.8	3973.5	4862.4	6178.6	7077.0	7118.8
27.5°	3812.0	3813.9	3777.8	3775.9	3789.2	4053.2	4906.1	6408.5	7709.5	7787.4
30°	4520.5	4492.0	4353.3	4203.3	4134.9	4292.6	5027.6	6680.1	8456.0	8594.6
32.5°	5612.6	5570.8	5316.3	4957.3	4596.5	4678.1	5246.0	6989.7	9268.9	9519.6
35°	6797.8	6786.4	6520.5	5986.8	5356.2	5227.1	5601.2	7396.1	10155.9	10554.8
37.5°	7899.5	7893.8	7741.8	7113.1	6345.8	5992.5	6171.0	7927.9	11105.6	11683.0
40°	8906.1	8923.2	8771.3	8209.1	7436.0	6974.5	6946.0	8585.1	12161.6	12911.9
42.5°	9776.0	9795.0	9641.2	9225.2	8513.0	8060.9	7897.6	9390.5	13193.0	14231.9
45°	10366.7	10484.5	10461.7	10129.3	9618.4	9149.2	9041.0	10400.9	14368.7	15631.8
47.5°	10533.9	10642.1	10813.1	10858.7	10547.2	10085.6	10214.8	11618.4	15557.7	17033.5
50°	10121.7	10222.4	10577.6	11050.5	11267.0	11124.6	11356.3	12923.3	16775.2	18431.4
52.5°	9308.8	9411.4	9859.6	10608.0	11491.2	11939.4	12501.6	14209.1	17954.7	19755.3
55°	8133.1	8241.3	8816.9	9664.0	11063.8	12275.6	13457.0	15493.1	19035.4	20946.2
57.5°	6533.8	6613.6	7211.9	8397.1	9988.8	11941.3	14161.7	16894.9	20053.5	22116.2
60°	4258.4	4328.7	5023.8	6345.8	8207.2	10824.5	14302.2	18458.0	21405.8	23637.6
62.5°	2832.0	2879.4	3291.6	4262.2	5779.8	8680.1	13479.8	19705.9	23388.8	26285.3
65°	1943.1	1990.5	2402.7	3078.9	3734.2	5741.8	11115.1	19540.7	25185.6	28387.9
67.5°	1386.5	1426.4	1775.9	2414.1	2702.8	3335.3	7534.8	17428.6	24927.3	28467.7
70°	993.4	1016.2	1304.9	1880.4	2148.2	2003.8	4190.0	13329.7	21825.6	26287.2
72.5°	695.2	702.8	906.0	1432.1	1730.3	1462.5	1994.3	8887.1	16507.4	20632.8
75°	471.0	480.5	609.7	1050.3	1388.4	1116.8	1056.0	4765.5	9690.6	11420.9
77.5°	288.7	292.5	393.2	718.0	1039.0	850.9	680.0	2019.0	3749.3	3681.0
80°	163.3	163.3	250.7	446.4	708.5	548.9	476.7	858.5	1187.1	1042.8
82.5°	91.2	93.1	182.3	277.3	469.1	324.8	262.1	397.0	512.8	453.9
85°	38.0	41.8	112.1	131.1	224.1	161.4	106.4	167.1	189.9	169.0
87.5°	3.8	5.7	34.2	24.7	26.6	32.3	15.2	32.3	26.6	26.6
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°
4370.4	0°	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4	4370.4
4435.0	2.5°	4398.9	4370.4	4298.3	4214.7	4104.5	4051.3	3979.2	3929.8	3888.0	3891.8
4545.2	5°	4484.4	4412.2	4250.8	4049.4	3798.7	3620.2	3430.3	3299.2	3192.8	3170.0
4697.1	7.5°	4602.2	4488.2	4205.2	3842.4	3418.9	3097.9	2811.1	2626.8	2495.8	2454.0
4881.4	10°	4754.1	4588.9	4146.3	3582.2	2972.5	2564.1	2256.4	2112.1	2022.8	1992.4
5097.9	12.5°	4930.8	4704.7	4068.4	3265.0	2512.9	2119.7	1924.1	1851.9	1823.4	1813.9
5363.8	15°	5153.0	4849.1	3950.7	2888.9	2123.5	1848.1	1764.5	1755.0	1758.8	1755.0
5682.9	17.5°	5417.0	5006.7	3758.8	2501.5	1861.4	1709.4	1679.0	1686.6	1696.1	1694.2
6040.0	20°	5705.7	5162.5	3513.8	2157.7	1682.8	1610.7	1593.6	1601.2	1608.8	1605.0
6452.1	22.5°	6034.3	5329.6	3242.2	1889.9	1563.2	1519.5	1500.5	1502.4	1502.4	1494.8
6974.5	25°	6427.5	5513.9	2957.3	1699.9	1472.0	1437.8	1415.0	1407.4	1396.0	1373.2
7608.9	27.5°	6896.6	5709.5	2683.8	1567.0	1399.8	1367.5	1341.0	1322.0	1293.5	1255.5
8370.5	30°	7424.6	5946.9	2452.1	1483.4	1342.9	1310.6	1280.2	1251.7	1209.9	1162.4
9246.1	32.5°	8045.7	6201.4	2283.0	1428.3	1291.6	1257.4	1221.3	1187.1	1141.5	1094.0
10230.0	35°	8786.5	6509.1	2184.3	1390.3	1251.7	1206.1	1166.2	1128.2	1094.0	1052.2
11299.3	37.5°	9589.9	6835.8	2153.9	1371.3	1225.1	1154.8	1109.2	1082.6	1078.8	1054.1
12456.0	40°	10469.3	7223.3	2176.7	1359.9	1196.6	1105.4	1056.0	1050.3	1059.8	1016.2
13692.5	42.5°	11400.0	7682.9	2214.7	1346.6	1156.7	1056.0	1008.6	1008.6	1001.0	940.2
14999.3	45°	12406.7	8212.9	2252.6	1314.4	1109.2	1006.7	970.6	957.3	925.0	866.1
16313.6	47.5°	13420.9	8752.3	2281.1	1255.5	1052.2	964.9	932.6	902.2	854.7	801.5
17603.3	50°	14383.9	9236.6	2250.7	1168.1	987.7	925.0	890.8	849.0	797.7	761.6
18824.6	52.5°	15244.3	9656.4	2121.6	1065.5	919.3	883.2	852.8	809.1	767.3	729.4
19926.2	55°	15992.7	9996.4	1893.7	968.7	858.5	847.1	816.7	761.6	704.7	672.4
21018.4	57.5°	16710.6	10254.7	1608.8	888.9	803.4	807.2	761.6	712.3	659.1	624.9
22490.4	60°	17666.0	10600.4	1320.1	814.8	744.6	755.9	706.6	670.5	604.0	560.3
25014.6	62.5°	19193.1	11137.9	1048.4	723.7	676.2	680.0	659.1	615.4	535.6	484.3
26885.5	65°	20404.9	10940.3	826.2	624.9	598.3	604.0	604.0	556.5	471.0	412.2
26986.2	67.5°	20268.1	9367.7	659.1	528.0	524.2	528.0	541.3	501.4	417.9	370.4
24931.1	70°	18670.8	7451.2	528.0	438.8	455.8	446.4	484.3	457.7	376.1	328.6
19327.9	72.5°	15234.8	5367.6	402.7	362.8	349.5	364.7	436.9	412.2	313.4	260.2
10237.6	75°	8902.3	2864.2	300.1	286.8	252.6	303.9	387.5	351.4	239.3	191.8
3137.8	77.5°	2898.4	999.1	220.3	210.8	188.0	245.0	330.5	296.3	195.6	151.9
919.3	80°	776.8	302.0	150.0	138.7	121.6	182.3	262.1	235.5	140.6	98.8
395.1	82.5°	311.5	127.3	87.4	77.9	66.5	125.4	207.0	189.9	104.5	62.7
123.5	85°	100.7	41.8	32.3	24.7	30.4	77.9	123.5	129.2	74.1	32.3
19.0	87.5°	13.3	5.7	5.7	7.6	5.7	13.3	38.0	36.1	20.9	3.8
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>
4370.4
3853.8
3118.8
2412.2
1969.6
1808.2
1753.1
1690.4
1603.1
1491.0
1369.4
1251.7
1158.6
1095.9
1048.4
1052.2
1018.1
940.2
864.2
799.6
755.9
725.6
668.6
621.1
554.6
480.5
406.5
362.8
322.9
254.5
186.1
146.3
96.9
62.7
24.7
0.0
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