

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: P940407

Luminaire Tested: **GALN-SB3B-950-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-950-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11761 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

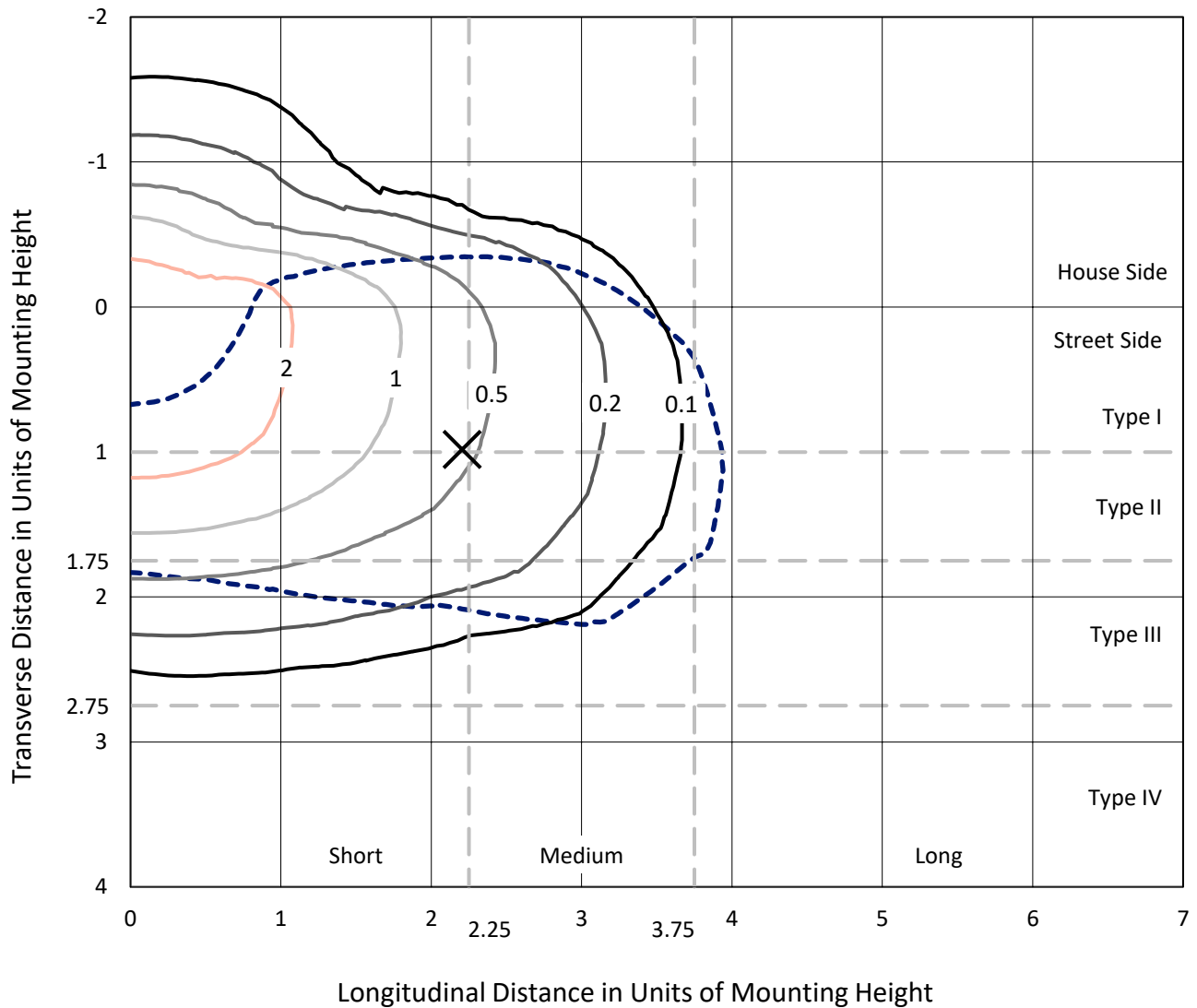
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

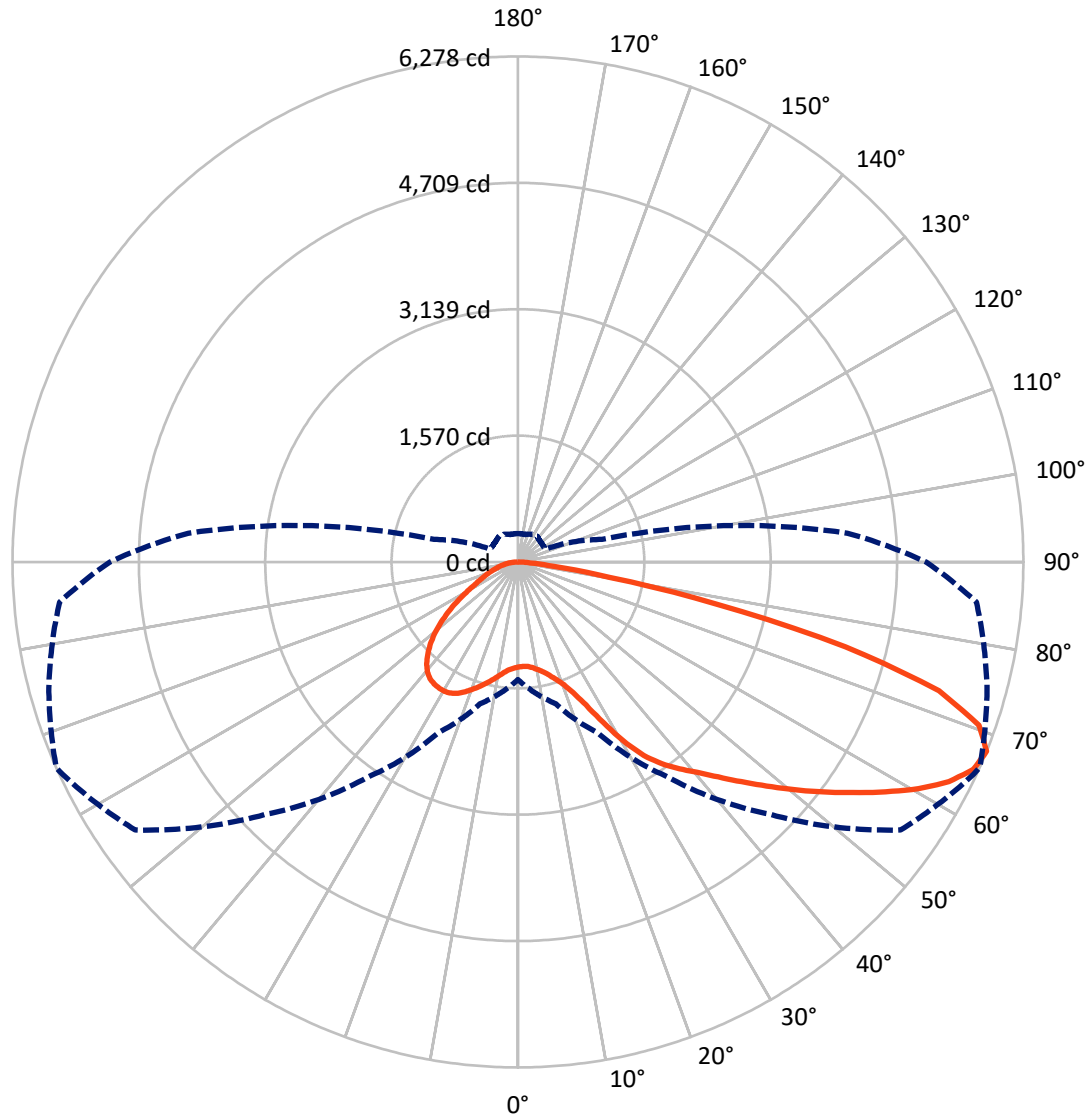
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2924.3	0.0	2924.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8836.7	0.0	8836.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	11761.0	0.0	11761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	1.1
10°-20°	427.3	3.6
20°-30°	823.6	7.0
30°-40°	1444.0	12.3
40°-50°	2146.8	18.3
50°-60°	2721.3	23.1
60°-70°	2662.7	22.6
70°-80°	1270.1	10.8
80°-90°	135.7	1.2
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°	11761.0	100.0
0°-180°	11761.0	100.0

Coefficient of Utilization



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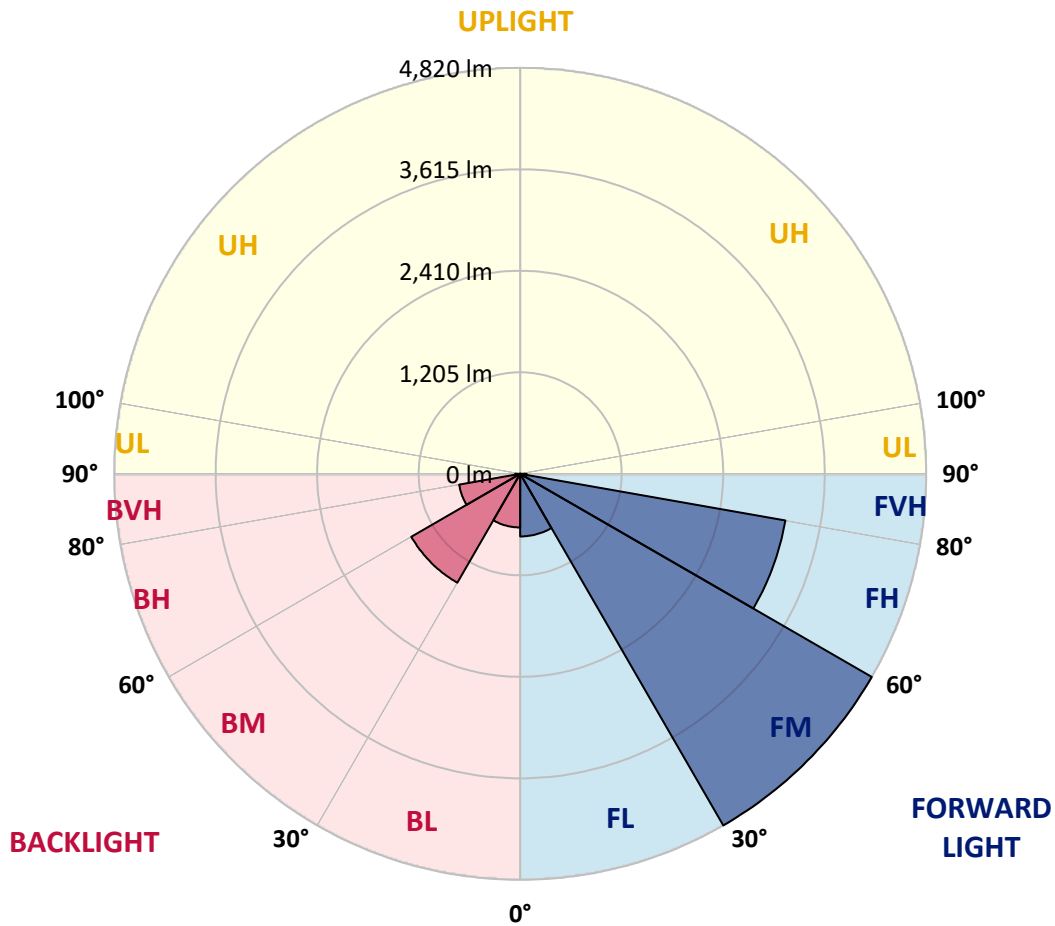
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.2	6.3			
FM (30°-60°)	4819.6	41.0			
FH (60°-80°)	3197.0	27.2			G2/5000
FVH (80°-90°)	77.0	0.7			G1/100
BL (0°-30°)	637.0	5.4	B2/1000		
BM (30°-60°)	1492.6	12.7	B2/2500		
BH (60°-80°)	735.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	58.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1290.9	1298.3	1296.4	1293.3	1292.7	1293.9	1295.8	1297.7	1297.0	1300.1
5°	1287.1	1294.6	1293.9	1293.9	1296.4	1301.4	1304.5	1307.5	1304.5	1308.2
7.5°	1289.6	1295.2	1297.7	1300.1	1306.3	1315.6	1323.0	1329.8	1326.1	1330.4
10°	1321.1	1325.5	1327.9	1327.9	1332.3	1342.8	1350.2	1362.5	1359.4	1366.2
12.5°	1378.6	1382.9	1382.9	1380.5	1383.5	1390.3	1392.8	1406.4	1400.8	1412.0
15°	1449.0	1457.7	1450.9	1446.6	1447.8	1454.6	1454.0	1464.5	1458.9	1468.2
17.5°	1526.9	1538.0	1526.9	1526.3	1523.8	1531.2	1531.8	1541.1	1531.2	1538.0
20°	1619.0	1634.4	1625.2	1628.2	1622.7	1625.8	1628.9	1642.5	1627.0	1632.0
22.5°	1748.7	1767.3	1757.4	1769.1	1765.4	1763.0	1762.3	1786.4	1762.3	1764.2
25°	1937.8	1960.1	1942.8	1958.8	1958.8	1966.9	1976.1	2007.0	1966.9	1955.1
27.5°	2217.1	2239.4	2205.4	2215.3	2212.2	2232.0	2222.1	2298.7	2255.4	2236.3
30°	2553.3	2592.8	2528.6	2526.1	2523.0	2554.5	2568.7	2619.4	2575.5	2556.4
32.5°	2916.6	2958.0	2881.4	2859.2	2847.4	2866.6	2854.8	2895.6	2865.3	2835.7
35°	3301.0	3341.8	3268.8	3225.6	3178.6	3138.5	3096.4	3107.0	3078.5	3033.4
37.5°	3664.3	3739.1	3661.9	3615.5	3529.0	3450.5	3333.1	3284.3	3257.7	3216.3
40°	4034.5	4077.1	4018.4	3978.9	3884.9	3762.0	3574.1	3470.9	3435.1	3394.9
42.5°	4307.0	4347.8	4316.2	4289.1	4215.5	4072.8	3829.9	3700.8	3648.9	3603.8
45°	4523.2	4553.5	4533.8	4543.6	4512.1	4373.7	4095.0	3947.3	3893.6	3838.6
47.5°	4610.4	4642.5	4674.0	4732.7	4786.5	4684.5	4379.9	4214.3	4157.4	4101.2
50°	4600.5	4633.2	4724.7	4849.5	5016.4	4982.4	4680.2	4498.5	4446.0	4381.7
52.5°	4521.4	4558.5	4675.9	4883.5	5149.2	5205.4	4986.1	4792.0	4742.6	4666.0
55°	4313.8	4336.0	4512.1	4806.3	5180.7	5361.2	5285.8	5104.7	5055.3	4948.4
57.5°	3928.8	3960.9	4217.4	4598.0	5101.6	5466.8	5549.0	5433.5	5385.9	5232.0
60°	3426.4	3477.7	3771.2	4248.3	4900.2	5466.2	5788.2	5756.6	5717.1	5511.3
62.5°	2857.9	2917.2	3199.6	3753.9	4548.0	5311.1	5937.7	6027.3	6006.9	5769.0
65°	2194.9	2235.7	2516.8	3114.4	3999.9	4978.0	5955.0	6212.1	6215.8	5964.9
67.5°	1461.4	1578.8	1822.9	2337.0	3265.8	4433.6	5803.0	6242.3	6278.2	6032.2
70°	713.1	867.6	1106.7	1518.9	2337.0	3598.8	5405.7	5993.9	6073.6	5835.7
72.5°	296.0	346.0	476.4	749.5	1341.5	2428.5	4607.3	5320.4	5468.1	5170.8
75°	199.6	216.3	272.5	384.4	611.1	1197.5	3322.6	3967.1	4205.0	3905.3
77.5°	153.9	164.4	198.4	268.8	363.3	452.9	1778.4	2390.8	2513.7	2327.1
80°	121.1	129.1	148.3	195.9	257.7	242.2	606.2	1083.2	1154.3	968.3
82.5°	105.0	108.1	106.3	132.9	171.2	141.5	199.0	399.8	441.2	320.1
85°	76.0	84.7	88.4	82.2	90.8	71.7	81.6	141.5	155.7	139.0
87.5°	30.9	45.7	56.2	53.1	33.4	20.4	25.3	41.4	47.6	51.9
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°
1304.5	0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
1305.1	2.5°	1305.7	1310.0	1313.1	1316.8	1319.3	1323.0	1330.4	1334.7	1335.3	1338.4
1315.0	5°	1317.4	1323.6	1330.4	1340.3	1351.4	1360.7	1374.9	1384.8	1388.5	1391.6
1339.1	7.5°	1342.8	1351.4	1363.8	1381.1	1397.1	1409.5	1426.8	1438.5	1450.3	1454.6
1377.4	10°	1380.5	1392.8	1410.7	1434.2	1451.5	1467.6	1485.5	1495.4	1507.1	1512.1
1423.1	12.5°	1427.4	1440.4	1463.9	1496.6	1512.7	1523.8	1530.0	1527.5	1530.0	1534.3
1478.1	15°	1481.2	1495.4	1522.0	1557.2	1568.3	1558.4	1544.8	1532.5	1530.6	1531.8
1544.8	17.5°	1544.8	1555.3	1586.2	1615.9	1607.9	1567.1	1537.4	1517.6	1507.7	1504.7
1630.1	20°	1633.8	1633.8	1659.1	1677.7	1623.9	1554.7	1508.4	1476.2	1455.8	1447.2
1746.3	22.5°	1741.9	1732.1	1748.1	1735.1	1620.8	1520.1	1455.8	1400.2	1369.3	1357.0
1908.8	25°	1879.1	1867.4	1863.1	1782.7	1598.6	1465.1	1360.7	1293.3	1266.1	1259.3
2143.0	27.5°	2086.1	2056.5	2000.2	1808.7	1557.8	1378.6	1249.5	1187.0	1171.6	1172.2
2443.9	30°	2361.7	2302.4	2164.6	1813.0	1491.1	1256.3	1135.8	1091.3	1083.8	1086.9
2696.6	32.5°	2616.9	2560.7	2332.7	1793.2	1388.5	1136.4	1033.8	1004.1	993.0	996.7
2889.4	35°	2817.1	2801.7	2488.4	1765.4	1262.4	1023.9	942.3	917.0	895.4	890.4
3071.1	37.5°	3006.2	3000.1	2605.2	1726.5	1137.6	944.2	868.8	835.4	803.9	786.6
3271.9	40°	3213.9	3207.7	2681.8	1666.6	1027.0	875.0	802.7	758.8	719.9	688.4
3499.3	42.5°	3447.4	3411.0	2718.3	1580.7	933.1	816.3	748.9	689.6	638.3	609.3
3756.4	45°	3702.6	3620.5	2717.7	1471.3	854.0	762.5	691.5	607.4	559.8	532.7
4020.3	47.5°	3973.3	3820.7	2684.3	1350.2	777.4	703.2	602.5	538.2	506.7	490.0
4307.0	50°	4252.6	4007.9	2627.4	1211.1	698.9	635.9	546.9	503.0	478.9	463.4
4591.2	52.5°	4515.2	4177.8	2558.8	1053.6	619.2	570.3	522.2	488.2	462.8	445.5
4866.8	55°	4759.3	4324.3	2461.8	892.3	554.3	526.5	510.4	482.0	452.9	432.6
5146.7	57.5°	4976.2	4419.4	2294.4	740.9	507.9	496.2	498.1	471.5	438.1	420.8
5422.3	60°	5156.6	4489.3	2046.6	600.6	470.2	466.5	478.9	451.7	412.8	393.0
5655.3	62.5°	5264.8	4488.0	1742.6	491.9	438.1	439.3	453.6	427.0	387.4	368.9
5777.0	65°	5255.5	4378.0	1408.9	420.8	407.2	408.5	427.0	399.8	366.4	355.3
5715.9	67.5°	5069.5	4109.9	1080.8	374.5	373.2	378.8	400.4	381.3	353.5	352.2
5351.3	70°	4565.9	3553.1	778.6	337.4	338.0	346.0	374.5	369.5	346.7	349.1
4499.1	72.5°	3661.2	2709.0	522.8	298.5	299.1	312.1	349.7	360.3	339.9	372.6
3192.2	75°	2438.4	1689.4	336.2	257.1	257.7	274.4	328.1	342.3	321.3	371.4
1661.0	77.5°	1171.6	759.4	243.5	216.3	216.3	231.7	283.6	306.5	273.7	288.6
533.9	80°	404.7	285.5	191.6	174.3	170.5	181.1	239.1	265.7	236.0	217.5
174.3	82.5°	159.4	148.3	153.9	135.3	123.0	129.8	186.0	219.4	173.6	157.0
98.3	85°	91.5	96.4	108.8	89.6	71.1	79.7	136.6	157.6	131.0	115.6
32.1	87.5°	24.7	34.0	50.1	46.3	32.1	34.0	64.9	87.1	75.4	58.1
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>
1304.5
1337.8
1391.0
1455.2
1514.5
1535.6
1536.2
1509.0
1445.3
1355.1
1260.6
1174.1
1097.4
1001.7
894.1
787.2
691.5
611.1
531.4
486.3
457.9
438.1
424.5
409.7
384.4
363.3
354.7
354.1
348.5
377.6
374.5
264.5
203.9
156.3
118.0
59.9
0.0

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