

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: P942784

Luminaire Tested: **GALN-SB6D-950-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942784
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-SB6D-950-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA 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: 31347 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

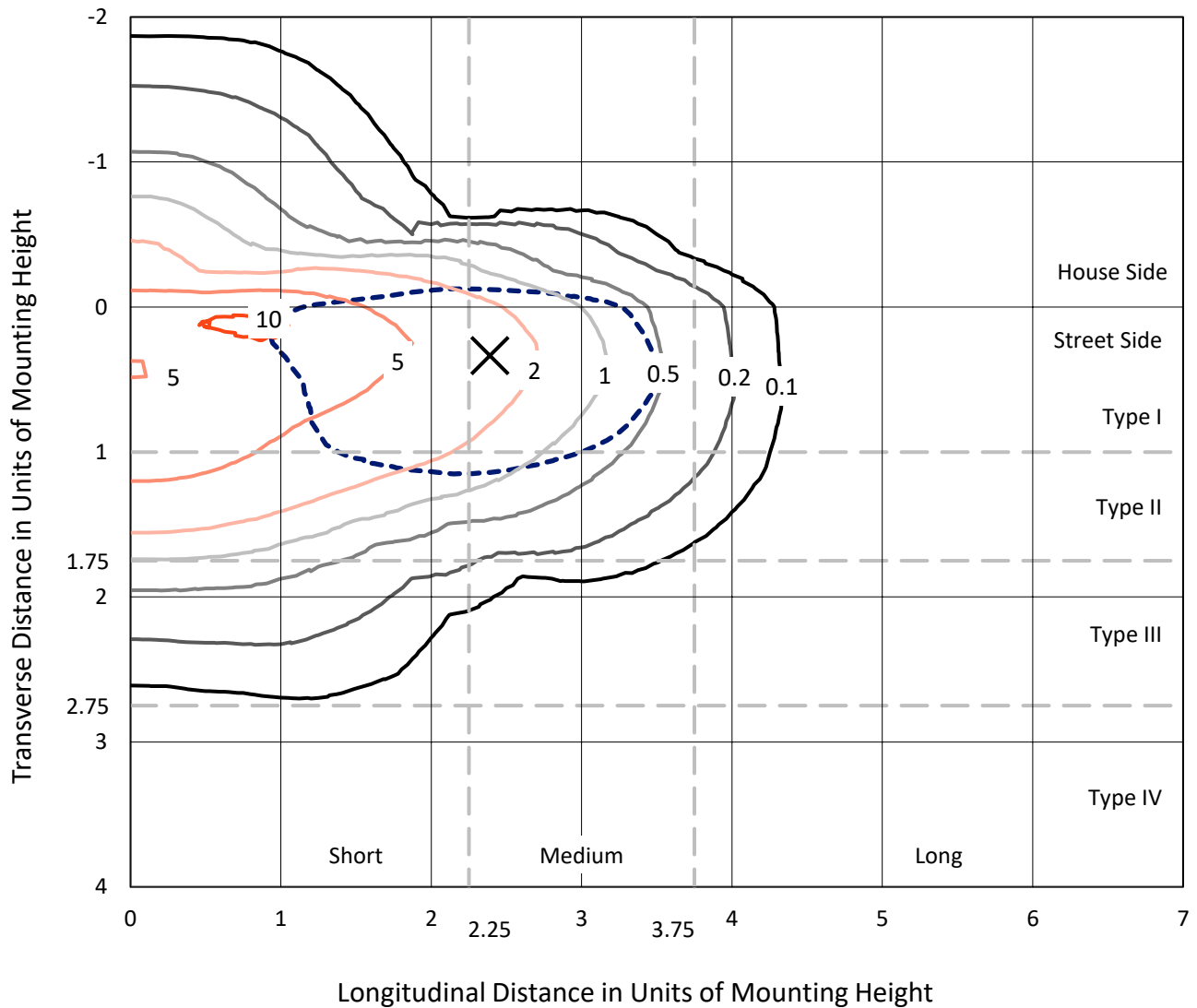
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

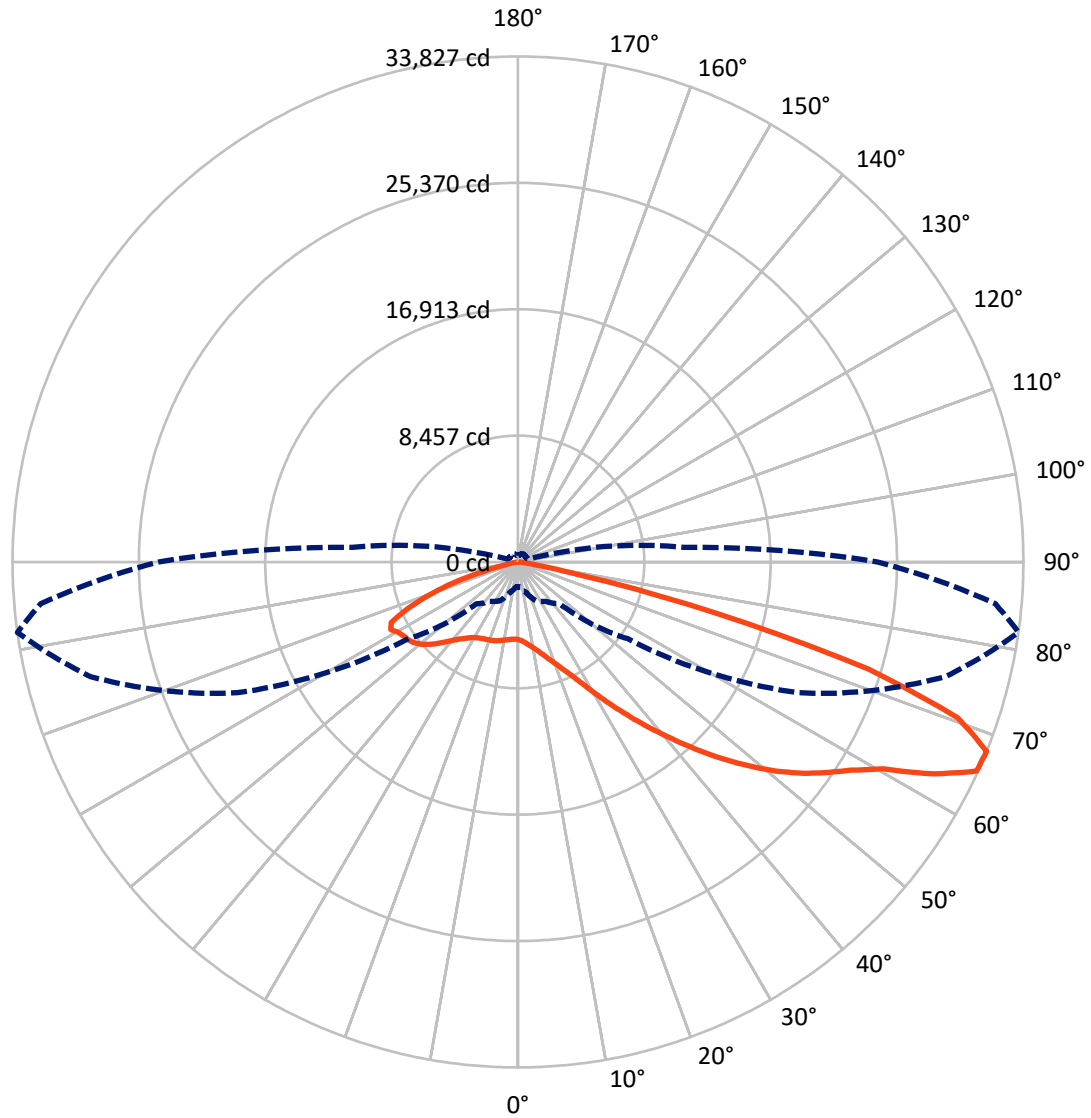
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	5678.2	0.0	5678.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	25668.8	0.0	25668.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	31347.0	0.0	31347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.7	1.5
10°-20°	1202.3	3.8
20°-30°	1925.7	6.1
30°-40°	3405.2	10.9
40°-50°	5966.3	19.0
50°-60°	7957.3	25.4
60°-70°	7407.8	23.6
70°-80°	2843.1	9.1
80°-90°	176.6	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°	31347.0	100.0
0°-180°	31347.0	100.0

Coefficient of Utilization



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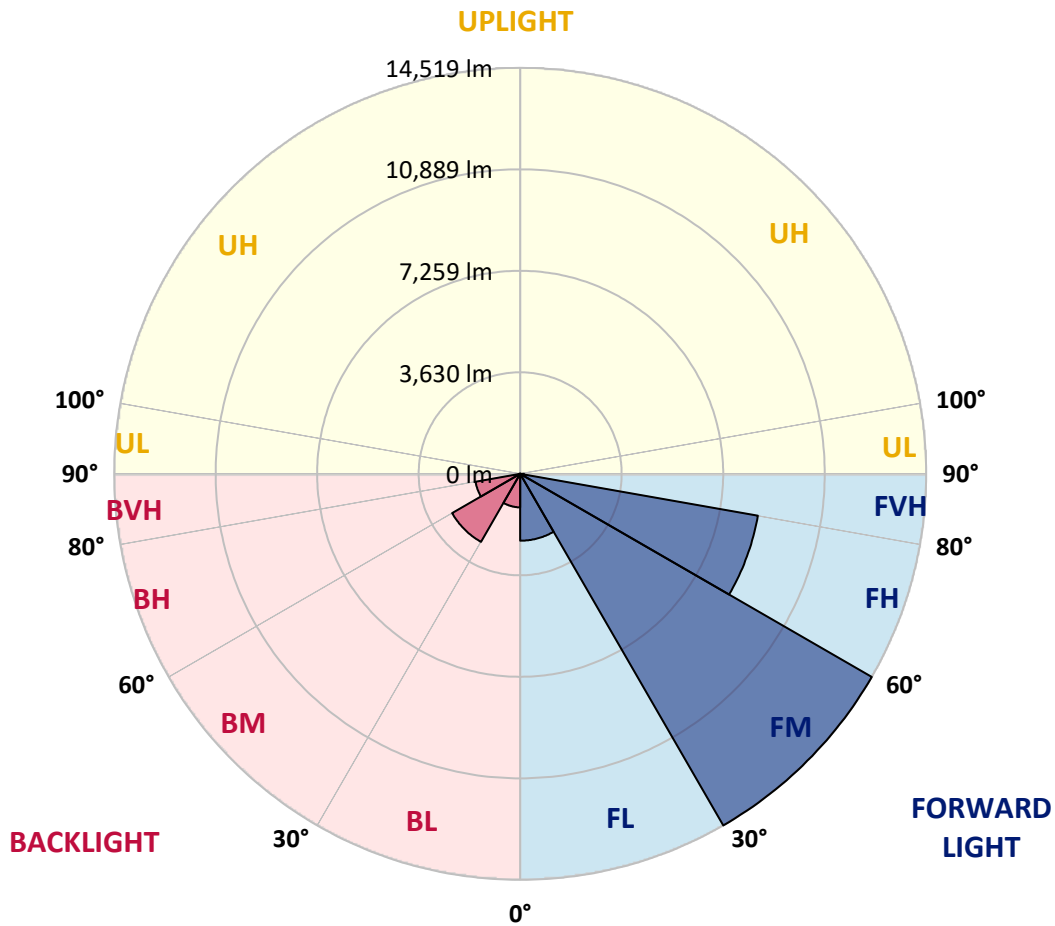
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2391.4	7.6			
FM (30°-60°)	14518.7	46.3			
FH (60°-80°)	8630.3	27.5			G4/12000
FVH (80°-90°)	128.4	0.4			G2/225
BL (0°-30°)	1199.2	3.8	B3/2500		
BM (30°-60°)	2810.1	9.0	B3/5000		
BH (60°-80°)	1620.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	48.2	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1
2.5°	5488.8	5520.4	5502.3	5493.3	5477.5	5454.9	5436.9	5380.5	5321.8	5283.4
5°	5599.4	5631.0	5628.7	5637.7	5649.0	5655.8	5651.3	5588.1	5504.6	5439.1
7.5°	5504.6	5540.7	5570.0	5615.2	5694.2	5777.7	5818.3	5804.8	5719.0	5628.7
10°	5236.0	5274.4	5344.3	5450.4	5617.4	5798.0	5949.2	6019.2	5965.0	5865.7
12.5°	4744.0	4782.4	4920.1	5150.3	5430.1	5743.8	6032.7	6220.0	6233.6	6134.3
15°	4191.1	4229.4	4376.1	4665.0	5091.6	5594.9	6077.8	6432.2	6551.8	6466.0
17.5°	3848.0	3881.9	3992.5	4224.9	4669.5	5297.0	6062.0	6657.9	6931.0	6863.2
20°	3744.2	3773.5	3825.5	3988.0	4358.1	4987.8	5958.2	6870.0	7339.5	7301.1
22.5°	3854.8	3881.9	3897.7	3969.9	4202.4	4784.6	5827.3	7086.7	7813.4	7817.9
25°	4109.8	4136.9	4118.9	4164.0	4265.5	4721.4	5777.7	7341.7	8409.2	8458.9
27.5°	4529.6	4531.9	4489.0	4486.7	4502.5	4816.2	5829.6	7614.8	9160.8	9253.3
30°	5371.4	5337.6	5172.8	4994.5	4913.3	5100.6	5974.0	7937.5	10047.7	10212.5
32.5°	6669.2	6619.5	6317.1	5890.5	5461.7	5558.8	6233.6	8305.4	11013.7	11311.6
35°	8077.5	8063.9	7748.0	7113.8	6364.5	6211.0	6655.6	8788.4	12067.7	12541.6
37.5°	9386.5	9379.7	9199.1	8452.1	7540.3	7120.5	7332.7	9420.3	13196.1	13882.2
40°	10582.6	10602.9	10422.4	9754.3	8835.8	8287.4	8253.5	10201.2	14451.0	15342.4
42.5°	11616.3	11638.9	11456.0	10961.8	10115.4	9578.3	9384.2	11158.1	15676.5	16911.0
45°	12318.2	12458.1	12431.0	12036.1	11429.0	10871.5	10742.9	12358.8	17073.5	18574.3
47.5°	12516.8	12645.4	12848.6	12902.7	12532.6	11984.2	12137.6	13805.5	18486.3	20239.9
50°	12027.0	12146.7	12568.7	13130.7	13388.0	13218.7	13494.0	15356.0	19933.0	21901.0
52.5°	11061.1	11183.0	11715.6	12604.8	13654.3	14186.9	14854.9	16883.9	21334.5	23474.1
55°	9664.1	9792.7	10476.6	11483.1	13146.5	14586.4	15990.2	18409.6	22618.7	24889.1
57.5°	7763.8	7858.5	8569.5	9977.8	11869.1	14189.2	16827.5	20075.2	23828.4	26279.4
60°	5060.0	5143.5	5969.5	7540.3	9752.1	12862.1	16994.5	21932.6	25435.3	28087.2
62.5°	3365.0	3421.5	3911.2	5064.5	6867.8	10314.1	16017.3	23415.4	27791.5	31233.3
65°	2308.8	2365.2	2855.0	3658.4	4437.1	6822.6	13207.4	23219.0	29926.6	33731.7
67.5°	1647.5	1694.9	2110.2	2868.5	3211.6	3963.1	8953.1	20709.4	29619.6	33826.5
70°	1180.4	1207.4	1550.5	2234.3	2552.6	2381.0	4978.7	15839.0	25934.1	31235.6
72.5°	826.0	835.1	1076.5	1701.7	2056.0	1737.8	2369.7	10560.1	19614.8	24516.8
75°	559.7	571.0	724.5	1248.1	1649.8	1327.1	1254.8	5662.6	11514.7	13570.8
77.5°	343.0	347.6	467.2	853.1	1234.5	1011.1	808.0	2399.1	4455.1	4373.9
80°	194.1	194.1	297.9	530.4	841.8	652.2	566.5	1020.1	1410.6	1239.0
82.5°	108.3	110.6	216.7	329.5	557.5	385.9	311.5	471.7	609.4	539.4
85°	45.1	49.7	133.2	155.7	266.3	191.8	126.4	198.6	225.7	200.9
87.5°	4.5	6.8	40.6	29.3	31.6	38.4	18.1	38.4	31.6	31.6
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°
5193.1	0°	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1	5193.1
5269.9	2.5°	5227.0	5193.1	5107.4	5008.1	4877.2	4814.0	4728.2	4669.5	4619.9	4624.4
5400.8	5°	5328.6	5242.8	5051.0	4811.7	4513.8	4301.7	4076.0	3920.2	3793.9	3766.8
5581.3	7.5°	5468.5	5333.1	4996.8	4565.7	4062.4	3681.0	3340.2	3121.3	2965.6	2915.9
5800.2	10°	5649.0	5452.7	4926.8	4256.5	3532.1	3046.8	2681.2	2509.7	2403.6	2367.5
6057.5	12.5°	5858.9	5590.4	4834.3	3879.6	2985.9	2518.7	2286.2	2200.5	2166.6	2155.3
6373.5	15°	6123.0	5761.9	4694.4	3432.8	2523.2	2196.0	2096.7	2085.4	2089.9	2085.4
6752.7	17.5°	6436.7	5949.2	4466.4	2972.3	2211.8	2031.2	1995.1	2004.1	2015.4	2013.2
7177.0	20°	6779.7	6134.3	4175.3	2563.8	1999.6	1913.9	1893.5	1902.6	1911.6	1907.1
7666.7	22.5°	7170.2	6332.9	3852.5	2245.6	1857.4	1805.5	1783.0	1785.2	1785.2	1776.2
8287.4	25°	7637.4	6551.8	3514.0	2019.9	1749.1	1708.5	1681.4	1672.4	1658.8	1631.7
9041.2	27.5°	8194.8	6784.3	3189.0	1861.9	1663.3	1625.0	1593.4	1570.8	1537.0	1491.8
9946.2	30°	8822.2	7066.4	2913.7	1762.6	1595.6	1557.3	1521.2	1487.3	1437.6	1381.2
10986.6	32.5°	9560.2	7368.8	2712.8	1697.2	1534.7	1494.1	1451.2	1410.6	1356.4	1300.0
12155.7	35°	10440.4	7734.4	2595.4	1652.1	1487.3	1433.1	1385.7	1340.6	1300.0	1250.3
13426.3	37.5°	11395.1	8122.6	2559.3	1629.5	1455.7	1372.2	1318.0	1286.4	1281.9	1252.6
14800.8	40°	12440.1	8583.0	2586.4	1615.9	1421.8	1313.5	1254.8	1248.1	1259.4	1207.4
16270.0	42.5°	13545.9	9129.2	2631.6	1600.1	1374.5	1254.8	1198.4	1198.4	1189.4	1117.2
17822.8	45°	14742.1	9758.9	2676.7	1561.8	1318.0	1196.2	1153.3	1137.5	1099.1	1029.1
19384.6	47.5°	15947.3	10399.8	2710.5	1491.8	1250.3	1146.5	1108.1	1072.0	1015.6	952.4
20917.0	50°	17091.5	10975.3	2674.4	1388.0	1173.6	1099.1	1058.5	1008.8	947.9	905.0
22368.2	52.5°	18113.9	11474.1	2521.0	1266.1	1092.3	1049.5	1013.4	961.4	911.8	866.7
23677.2	55°	19003.1	11878.1	2250.1	1151.0	1020.1	1006.6	970.5	905.0	837.3	798.9
24974.9	57.5°	19856.2	12185.0	1911.6	1056.2	954.7	959.2	905.0	846.3	783.1	742.5
26724.0	60°	20991.5	12595.8	1568.5	968.2	884.7	898.2	839.6	796.7	717.7	665.8
29723.4	62.5°	22806.0	13234.5	1245.8	859.9	803.5	808.0	783.1	731.2	636.4	575.5
31946.5	65°	24245.9	12999.8	981.8	742.5	710.9	717.7	717.7	661.3	559.7	489.7
32066.1	67.5°	24083.4	11131.1	783.1	627.4	622.9	627.4	643.2	595.8	496.5	440.1
29624.1	70°	22185.4	8853.8	627.4	521.3	541.7	530.4	575.5	543.9	446.9	390.4
22966.3	72.5°	18102.6	6378.0	478.5	431.1	415.3	433.3	519.1	489.7	372.4	309.2
12164.7	75°	10578.1	3403.4	356.6	340.8	300.2	361.1	460.4	417.5	284.4	227.9
3728.4	77.5°	3444.0	1187.1	261.8	250.5	223.4	291.1	392.7	352.1	232.5	180.6
1092.3	80°	923.1	358.8	178.3	164.8	144.4	216.7	311.5	279.9	167.0	117.4
469.4	82.5°	370.1	151.2	103.8	92.5	79.0	149.0	246.0	225.7	124.1	74.5
146.7	85°	119.6	49.7	38.4	29.3	36.1	92.5	146.7	153.5	88.0	38.4
22.6	87.5°	15.8	6.8	6.8	9.0	6.8	15.8	45.1	42.9	24.8	4.5
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>
5193.1
4579.3
3705.8
2866.3
2340.4
2148.6
2083.1
2008.6
1904.8
1771.7
1627.2
1487.3
1376.7
1302.2
1245.8
1250.3
1209.7
1117.2
1026.9
950.2
898.2
862.1
794.4
738.0
659.0
571.0
483.0
431.1
383.7
302.4
221.2
173.8
115.1
74.5
29.3
0.0
0.0

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