

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: P942744

Luminaire Tested: **GALN-SB6D-927-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942744  
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-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

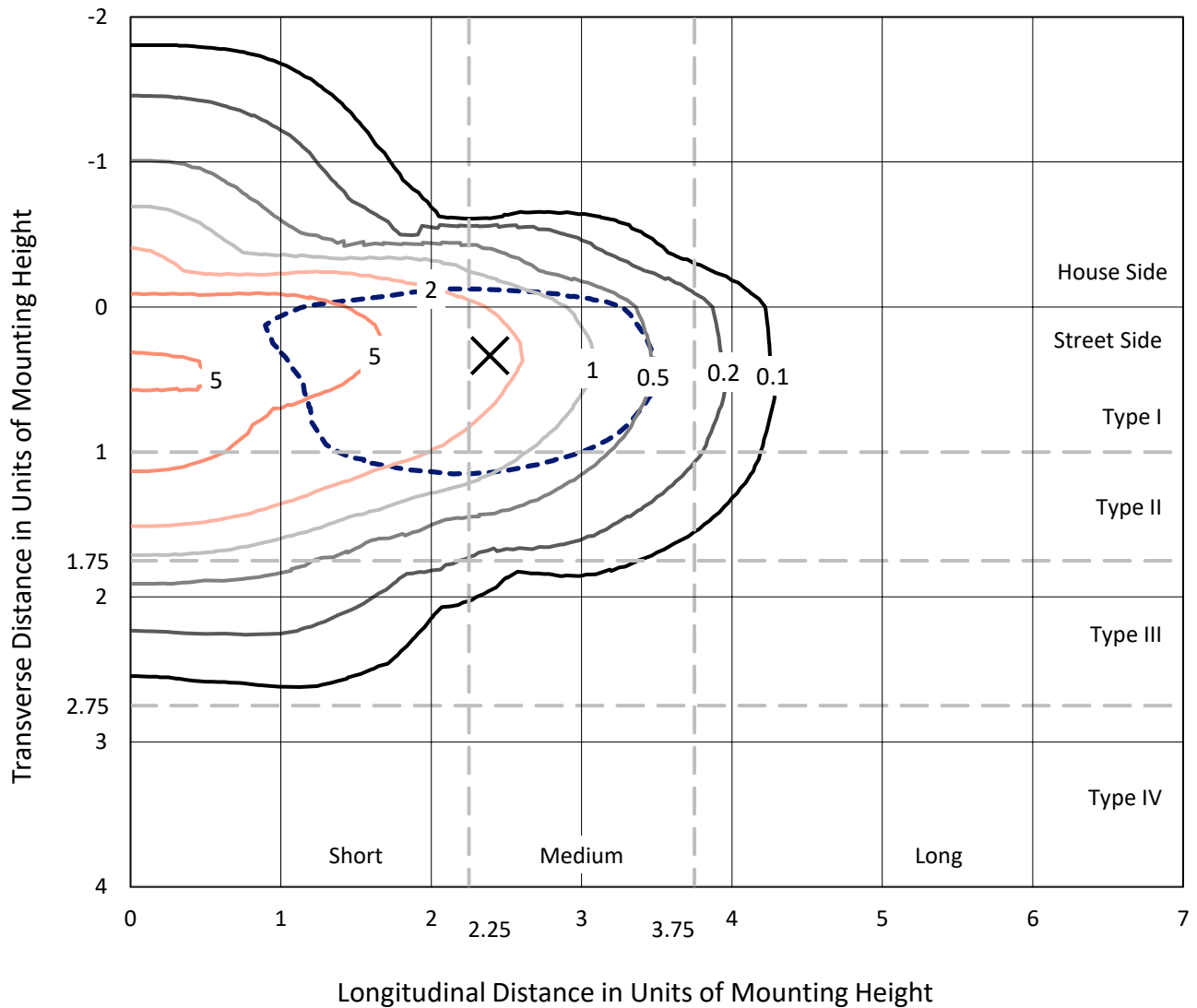
Lumens per Lamp: N/A  
Luminaire Lumens: 27428 lumens  
Efficiency: N/A  
Efficacy: 62.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

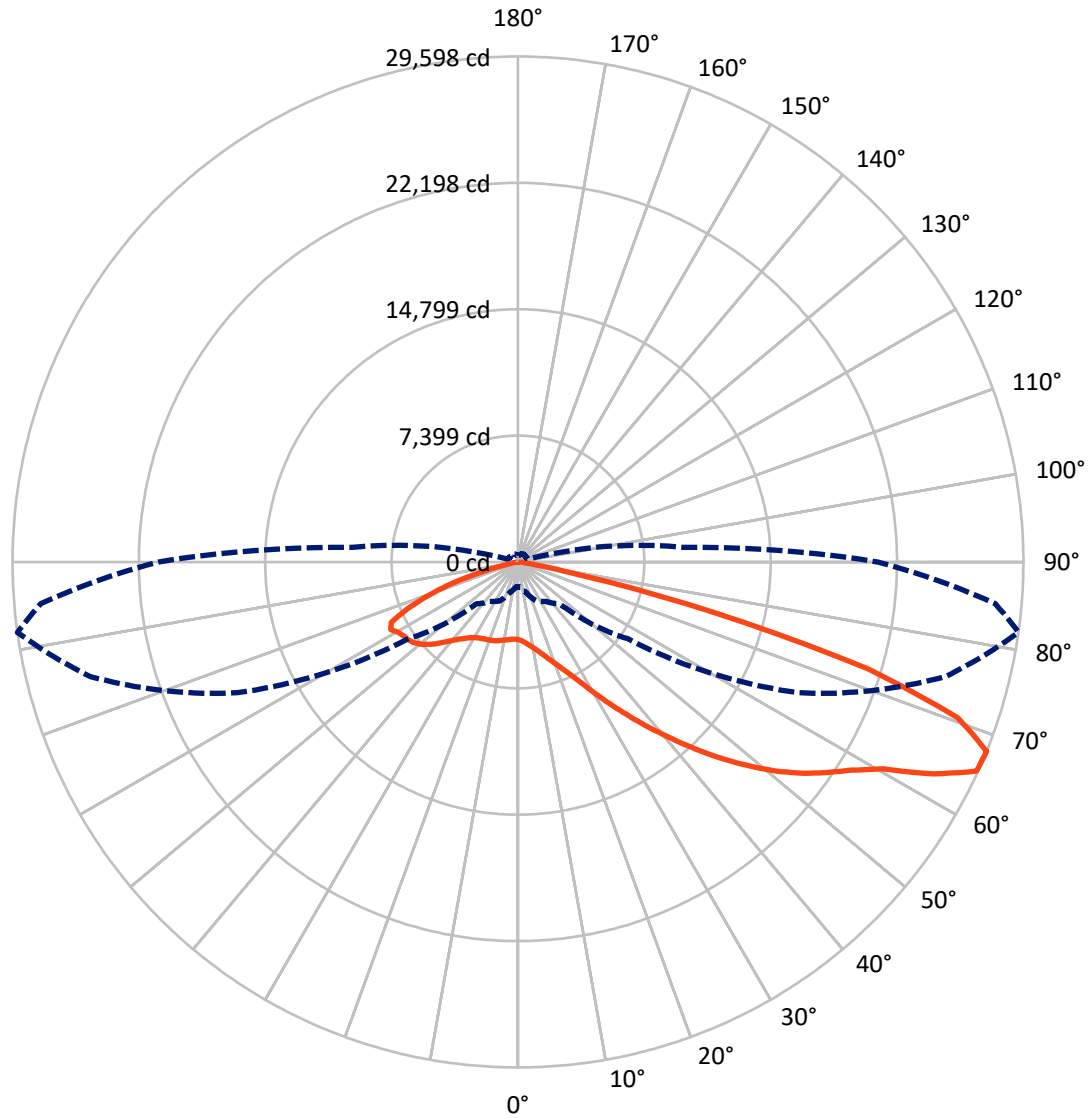
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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
<b>House Side</b>	Lumens	4968.3	0.0	4968.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	22459.7	0.0	22459.7
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	27428.0	0.0	27428.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	404.8	1.5
10°-20°	1052.0	3.8
20°-30°	1684.9	6.1
30°-40°	2979.5	10.9
40°-50°	5220.4	19.0
50°-60°	6962.5	25.4
60°-70°	6481.7	23.6
70°-80°	2487.7	9.1
80°-90°	154.5	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°	27428.0	100.0
0°-180°	27428.0	100.0

**Coefficient of Utilization**



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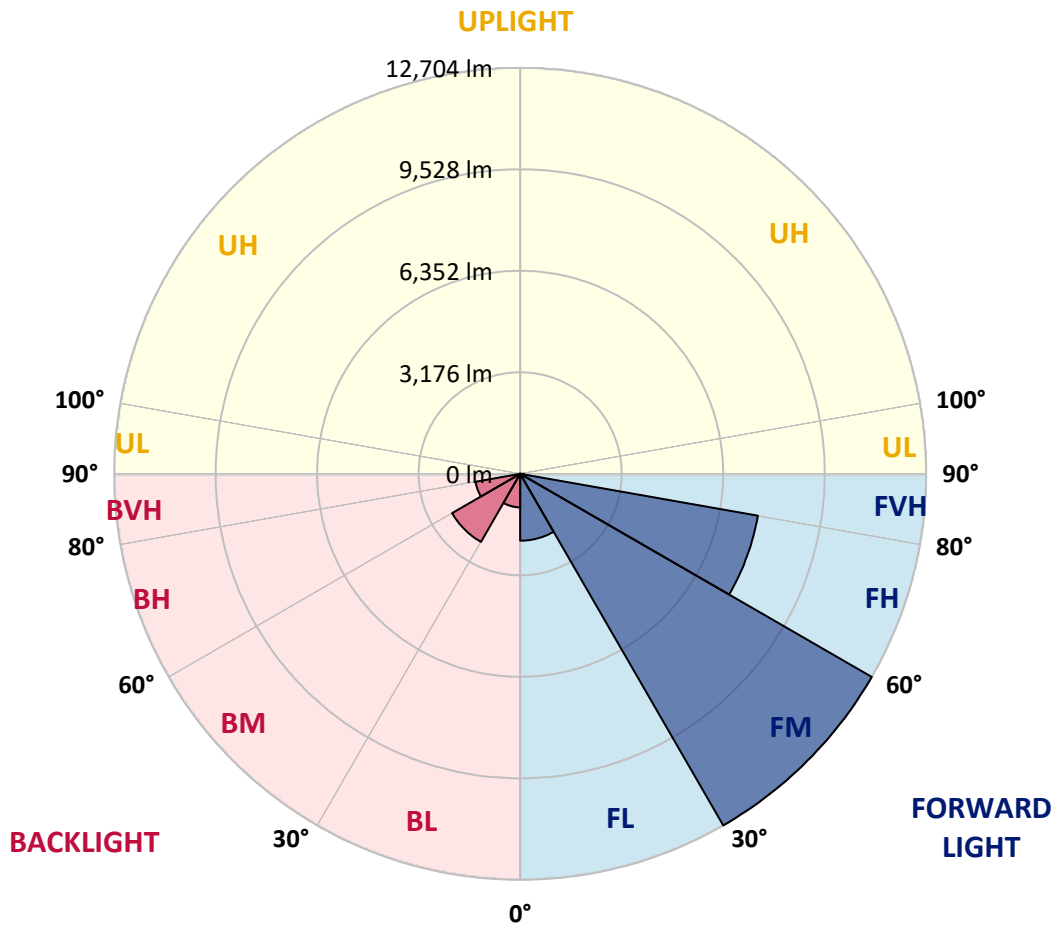
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2092.5	7.6			
FM (30°-60°)	12703.5	46.3			
FH (60°-80°)	7551.4	27.5			G4/12000
FVH (80°-90°)	112.3	0.4			G2/225
BL (0°-30°)	1049.3	3.8	B3/2500		
BM (30°-60°)	2458.8	9.0	B2/2500		
BH (60°-80°)	1418.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	42.2	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°	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9
2.5°	4802.6	4830.2	4814.4	4806.5	4792.7	4773.0	4757.2	4707.8	4656.5	4622.9
5°	4899.3	4927.0	4925.0	4932.9	4942.8	4948.7	4944.8	4889.5	4816.4	4759.1
7.5°	4816.4	4848.0	4873.7	4913.2	4982.3	5055.4	5090.9	5079.0	5004.0	4925.0
10°	4581.4	4615.0	4676.2	4769.0	4915.1	5073.1	5205.4	5266.6	5219.3	5132.4
12.5°	4150.9	4184.5	4304.9	4506.4	4751.2	5025.7	5278.5	5442.4	5454.2	5367.4
15°	3667.1	3700.7	3829.0	4081.8	4455.0	4895.4	5318.0	5628.0	5732.7	5657.6
17.5°	3366.9	3396.6	3493.3	3696.7	4085.8	4634.7	5304.2	5825.5	6064.4	6005.2
20°	3276.1	3301.8	3347.2	3489.4	3813.2	4364.2	5213.3	6011.1	6421.9	6388.3
22.5°	3372.9	3396.6	3410.4	3473.6	3677.0	4186.5	5098.8	6200.7	6836.6	6840.5
25°	3596.0	3619.7	3603.9	3643.4	3732.3	4131.2	5055.4	6423.8	7357.9	7401.3
27.5°	3963.3	3965.3	3927.8	3925.8	3939.6	4214.1	5100.8	6662.8	8015.5	8096.5
30°	4699.9	4670.3	4526.1	4370.1	4299.0	4462.9	5227.2	6945.2	8791.6	8935.7
32.5°	5835.4	5791.9	5527.3	5154.1	4778.9	4863.8	5454.2	7267.1	9636.8	9897.4
35°	7067.6	7055.8	6779.3	6224.4	5568.8	5434.5	5823.5	7689.7	10559.0	10973.7
37.5°	8213.0	8207.0	8049.1	7395.4	6597.6	6230.3	6416.0	8242.6	11546.3	12146.7
40°	9259.6	9277.4	9119.4	8534.9	7731.1	7251.3	7221.6	8925.9	12644.3	13424.3
42.5°	10164.0	10183.8	10023.8	9591.3	8850.8	8380.8	8211.0	9763.1	13716.6	14796.8
45°	10778.2	10900.6	10876.9	10531.3	10000.1	9512.4	9399.8	10813.7	14939.0	16252.2
47.5°	10951.9	11064.5	11242.2	11289.6	10965.8	10485.9	10620.2	12079.5	16175.1	17709.5
50°	10523.4	10628.1	10997.4	11489.1	11714.2	11566.1	11807.0	13436.2	17441.0	19162.9
52.5°	9678.2	9784.9	10250.9	11029.0	11947.2	12413.3	12997.8	14773.1	18667.3	20539.3
55°	8455.9	8568.4	9166.8	10047.5	11502.9	12762.8	13991.1	16108.0	19790.9	21777.5
57.5°	6793.1	6876.1	7498.1	8730.4	10385.2	12415.2	14723.7	17565.4	20849.4	22993.9
60°	4427.4	4500.4	5223.2	6597.6	8532.9	11254.1	14869.8	19190.6	22255.4	24575.7
62.5°	2944.3	2993.7	3422.2	4431.3	6009.2	9024.6	14014.8	20488.0	24317.0	27328.5
65°	2020.2	2069.5	2498.1	3201.1	3882.4	5969.7	11556.2	20316.2	26185.1	29514.6
67.5°	1441.6	1483.0	1846.4	2509.9	2810.1	3467.7	7833.8	18120.3	25916.6	29597.5
70°	1032.8	1056.5	1356.7	1955.0	2233.4	2083.4	4356.3	13858.8	22691.8	27330.5
72.5°	722.8	730.7	942.0	1489.0	1799.0	1520.6	2073.5	9239.8	17162.5	21451.7
75°	489.7	499.6	633.9	1092.0	1443.5	1161.2	1098.0	4954.6	10075.2	11874.1
77.5°	300.2	304.1	408.8	746.5	1080.2	884.7	707.0	2099.2	3898.1	3827.1
80°	169.8	169.8	260.7	464.1	736.6	570.7	495.7	892.6	1234.2	1084.1
82.5°	94.8	96.8	189.6	288.3	487.8	337.7	272.5	412.7	533.2	472.0
85°	39.5	43.4	116.5	136.3	233.0	167.9	110.6	173.8	197.5	175.8
87.5°	3.9	5.9	35.5	25.7	27.6	33.6	15.8	33.6	27.6	27.6
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°
4543.9	0°	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9	4543.9
4611.0	2.5°	4573.5	4543.9	4468.9	4382.0	4267.4	4212.1	4137.1	4085.8	4042.3	4046.3
4725.6	5°	4662.4	4587.3	4419.5	4210.2	3949.5	3763.9	3566.4	3430.1	3319.5	3295.9
4883.5	7.5°	4784.8	4666.3	4372.1	3994.9	3554.5	3220.8	2922.6	2731.1	2594.8	2551.4
5075.1	10°	4942.8	4771.0	4310.9	3724.4	3090.5	2665.9	2346.0	2195.9	2103.1	2071.5
5300.2	12.5°	5126.4	4891.4	4229.9	3394.6	2612.6	2203.8	2000.4	1925.4	1895.8	1885.9
5576.7	15°	5357.5	5041.5	4107.5	3003.6	2207.8	1921.4	1834.5	1824.7	1828.6	1824.7
5908.4	17.5°	5632.0	5205.4	3908.0	2600.7	1935.3	1777.3	1745.7	1753.6	1763.4	1761.5
6279.7	20°	5932.1	5367.4	3653.3	2243.3	1749.6	1674.6	1656.8	1664.7	1672.6	1668.7
6708.2	22.5°	6273.8	5541.1	3370.9	1964.9	1625.2	1579.8	1560.0	1562.0	1562.0	1554.1
7251.3	25°	6682.5	5732.7	3074.7	1767.4	1530.4	1494.9	1471.2	1463.3	1451.4	1427.7
7910.8	27.5°	7170.3	5936.1	2790.3	1629.2	1455.4	1421.8	1394.2	1374.4	1344.8	1305.3
8702.7	30°	7719.3	6182.9	2549.4	1542.3	1396.1	1362.6	1331.0	1301.4	1257.9	1208.5
9613.1	32.5°	8365.0	6447.5	2373.6	1485.0	1342.8	1307.3	1269.8	1234.2	1186.8	1137.5
10636.0	35°	9135.2	6767.5	2271.0	1445.5	1301.4	1254.0	1212.5	1173.0	1137.5	1094.0
11747.8	37.5°	9970.5	7107.1	2239.4	1425.8	1273.7	1200.6	1153.3	1125.6	1121.7	1096.0
12950.4	40°	10884.8	7510.0	2263.1	1413.9	1244.1	1149.3	1098.0	1092.0	1101.9	1056.5
14235.9	42.5°	11852.4	7987.8	2302.6	1400.1	1202.6	1098.0	1048.6	1048.6	1040.7	977.5
15594.6	45°	12899.0	8538.8	2342.0	1366.5	1153.3	1046.6	1009.1	995.3	961.7	900.5
16961.1	47.5°	13953.6	9099.6	2371.7	1305.3	1094.0	1003.2	969.6	938.0	888.6	833.3
18301.9	50°	14954.8	9603.2	2340.1	1214.5	1026.9	961.7	926.2	882.7	829.4	791.9
19571.7	52.5°	15849.3	10039.6	2205.8	1107.8	955.8	918.3	886.7	841.2	797.8	758.3
20717.1	55°	16627.4	10393.1	1968.8	1007.1	892.6	880.7	849.1	791.9	732.6	699.1
21852.5	57.5°	17373.8	10661.7	1672.6	924.2	835.3	839.3	791.9	740.5	685.2	649.7
23383.0	60°	18367.1	11021.1	1372.4	847.2	774.1	785.9	734.6	697.1	628.0	582.6
26007.4	62.5°	19954.8	11579.9	1090.1	752.4	703.0	707.0	685.2	639.8	556.9	503.6
27952.5	65°	21214.7	11374.5	859.0	649.7	622.0	628.0	628.0	578.6	489.7	428.5
28057.2	67.5°	21072.5	9739.4	685.2	549.0	545.0	549.0	562.8	521.3	434.4	385.1
25920.5	70°	19411.8	7746.9	549.0	456.2	473.9	464.1	503.6	475.9	391.0	341.6
20095.0	72.5°	15839.4	5580.6	418.6	377.2	363.4	379.2	454.2	428.5	325.8	270.5
10643.9	75°	9255.6	2977.9	312.0	298.2	262.6	316.0	402.8	365.3	248.8	199.4
3262.3	77.5°	3013.5	1038.7	229.1	219.2	195.5	254.7	343.6	308.1	203.4	158.0
955.8	80°	807.7	314.0	156.0	144.2	126.4	189.6	272.5	244.9	146.1	102.7
410.7	82.5°	323.9	132.3	90.8	81.0	69.1	130.3	215.2	197.5	108.6	65.2
128.4	85°	104.7	43.4	33.6	25.7	31.6	81.0	128.4	134.3	77.0	33.6
19.7	87.5°	13.8	5.9	5.9	7.9	5.9	13.8	39.5	37.5	21.7	3.9
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>
4543.9
4006.8
3242.5
2507.9
2047.8
1880.0
1822.7
1757.5
1666.7
1550.2
1423.8
1301.4
1204.6
1139.4
1090.1
1094.0
1058.5
977.5
898.5
831.4
785.9
754.4
695.1
645.7
576.6
499.6
422.6
377.2
335.7
264.6
193.5
152.1
100.7
65.2
25.7
0.0
0.0

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