

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: P942374

Luminaire Tested: **GALN-SB6B-835-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942374  
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-835-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

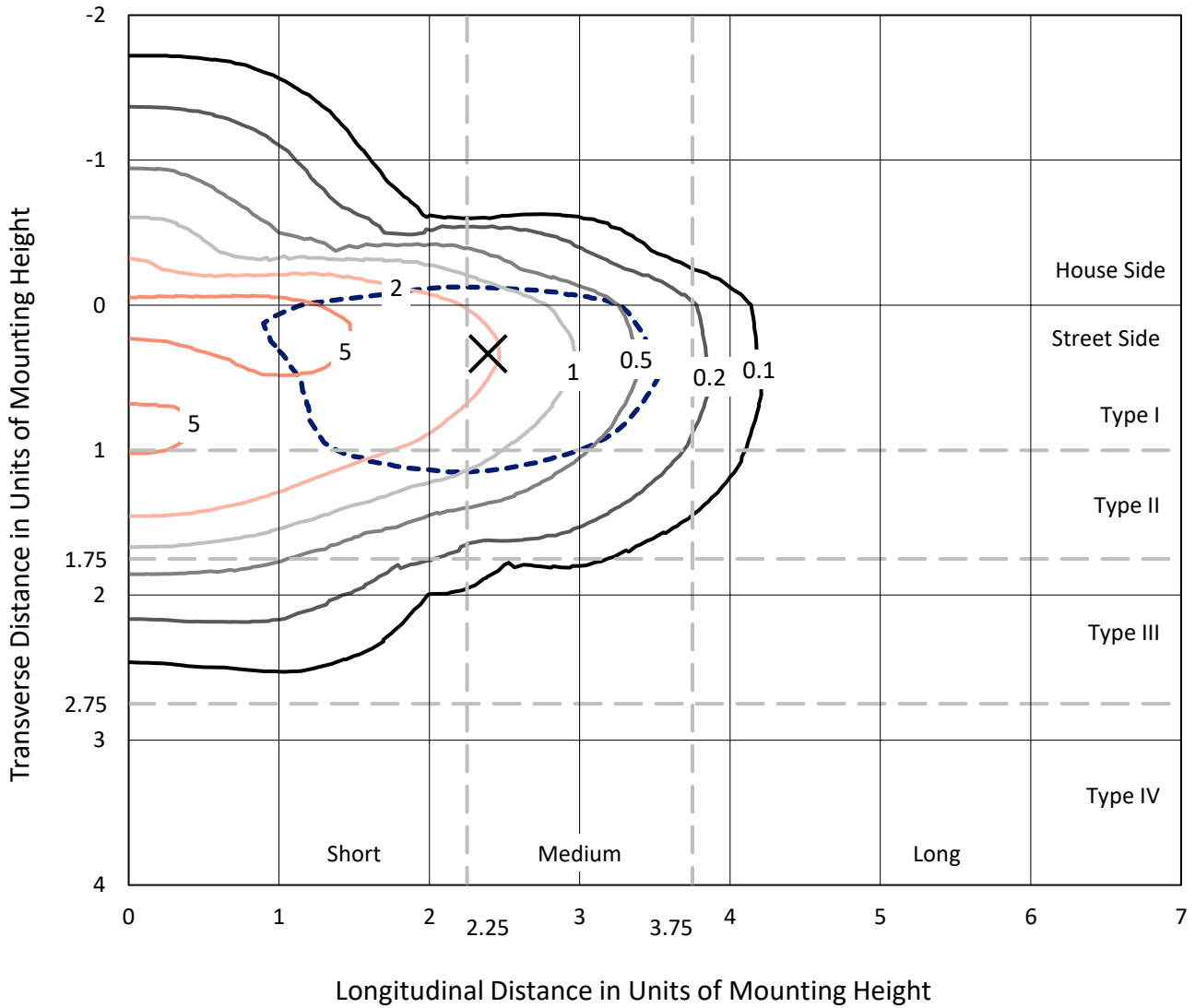
Lumens per Lamp: N/A  
Luminaire Lumens: 23128 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

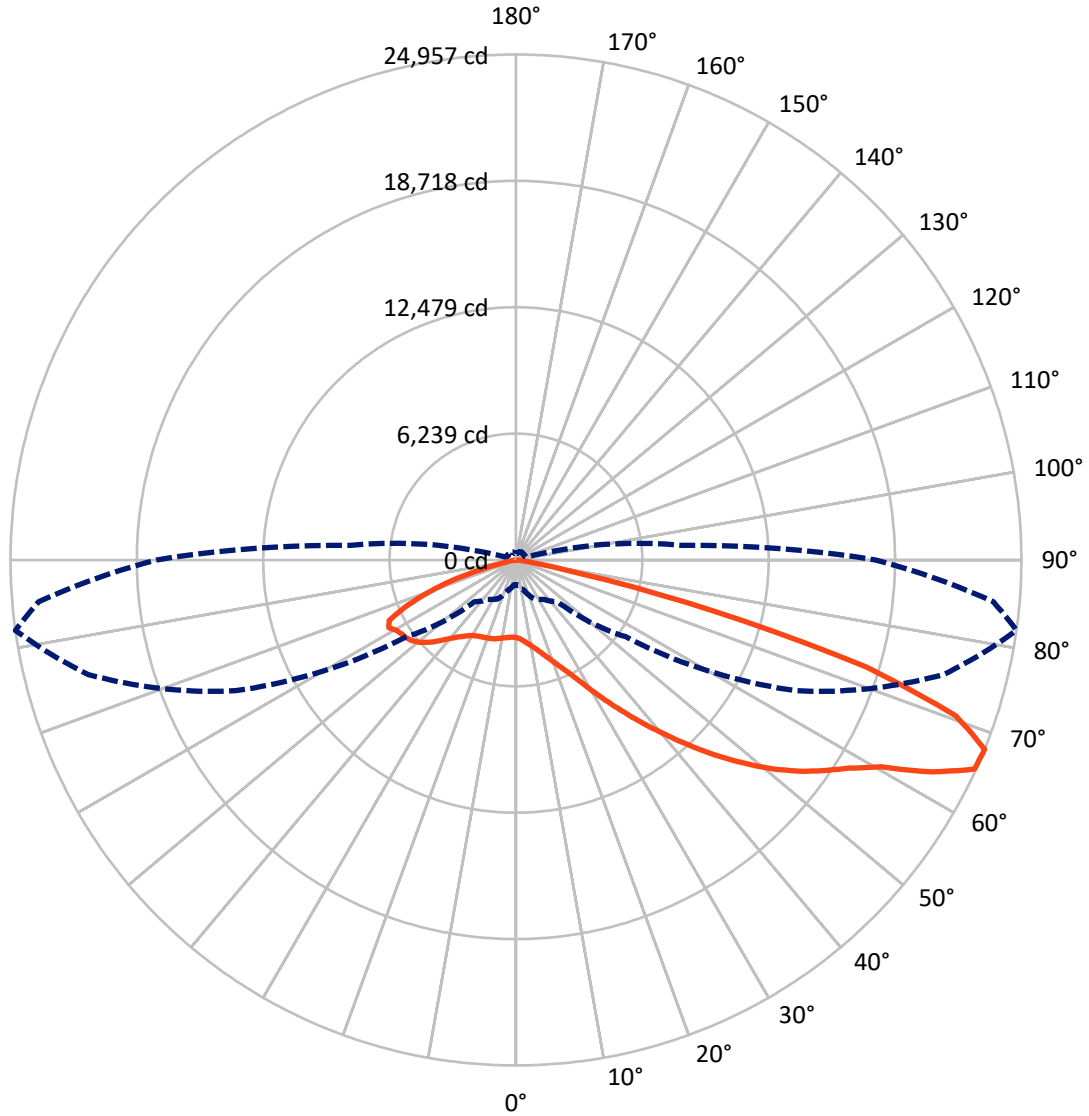
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	4189.4	0.0	4189.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	18938.6	0.0	18938.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	23128.0	0.0	23128.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.4	1.5
10°-20°	887.1	3.8
20°-30°	1420.8	6.1
30°-40°	2512.4	10.9
40°-50°	4401.9	19.0
50°-60°	5871.0	25.4
60°-70°	5465.6	23.6
70°-80°	2097.7	9.1
80°-90°	130.3	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°	23128.0	100.0
0°-180°	23128.0	100.0

**Coefficient of Utilization**



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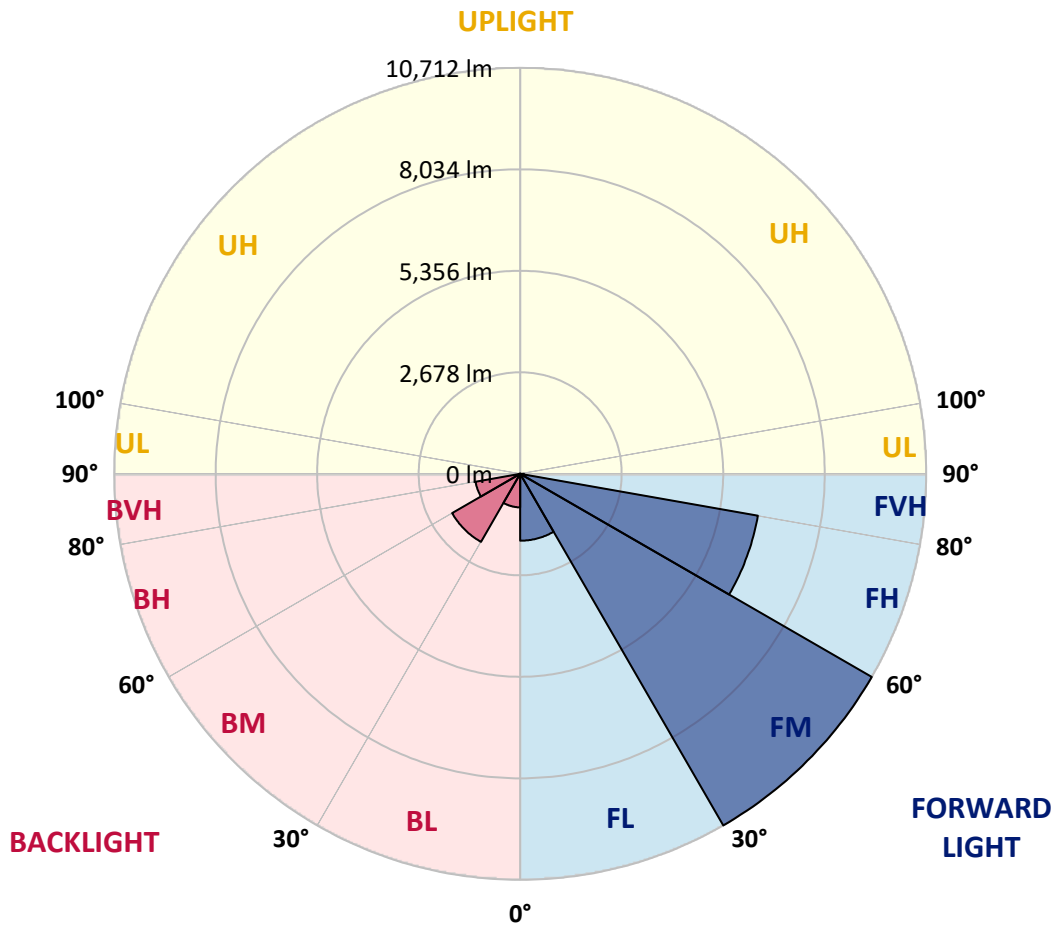
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1764.4	7.6			
FM (30°-60°)	10711.9	46.3			
FH (60°-80°)	6367.5	27.5			G3/7500
FVH (80°-90°)	94.7	0.4			G1/100
BL (0°-30°)	884.8	3.8	B2/1000		
BM (30°-60°)	2073.3	9.0	B2/2500		
BH (60°-80°)	1195.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	35.6	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°	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5
2.5°	4049.7	4073.0	4059.7	4053.0	4041.3	4024.7	4011.4	3969.7	3926.4	3898.1
5°	4131.3	4154.6	4152.9	4159.6	4167.9	4172.9	4169.6	4122.9	4061.3	4013.0
7.5°	4061.3	4088.0	4109.6	4142.9	4201.2	4262.8	4292.8	4282.8	4219.5	4152.9
10°	3863.2	3891.5	3943.1	4021.4	4144.6	4277.8	4389.4	4441.0	4401.0	4327.7
12.5°	3500.2	3528.5	3630.0	3799.9	4006.4	4237.8	4451.0	4589.2	4599.2	4525.9
15°	3092.2	3120.5	3228.7	3441.9	3756.6	4127.9	4484.3	4745.7	4834.0	4770.7
17.5°	2839.1	2864.1	2945.7	3117.2	3445.2	3908.1	4472.6	4912.2	5113.7	5063.7
20°	2762.5	2784.1	2822.4	2942.3	3215.4	3680.0	4396.0	5068.7	5415.1	5386.8
22.5°	2844.1	2864.1	2875.7	2929.0	3100.5	3530.1	4299.4	5228.6	5764.8	5768.1
25°	3032.3	3052.2	3038.9	3072.2	3147.1	3483.5	4262.8	5416.8	6204.4	6241.0
27.5°	3342.0	3343.6	3312.0	3310.3	3322.0	3553.4	4301.1	5618.2	6758.9	6827.1
30°	3963.1	3938.1	3816.5	3685.0	3625.0	3763.3	4407.7	5856.4	7413.3	7534.8
32.5°	4920.5	4883.9	4660.8	4346.1	4029.7	4101.3	4599.2	6127.8	8126.0	8345.8
35°	5959.6	5949.6	5716.5	5248.6	4695.7	4582.5	4910.5	6484.1	8903.6	9253.3
37.5°	6925.4	6920.4	6787.2	6236.0	5563.3	5253.6	5410.1	6950.4	9736.2	10242.4
40°	7807.9	7822.9	7689.7	7196.8	6519.1	6114.5	6089.5	7526.5	10662.0	11319.7
42.5°	8570.6	8587.2	8452.3	8087.7	7463.2	7066.9	6923.7	8232.5	11566.2	12477.0
45°	9088.4	9191.7	9171.7	8880.3	8432.4	8021.1	7926.1	9118.4	12596.9	13704.2
47.5°	9235.0	9329.9	9479.7	9519.7	9246.6	8842.0	8955.2	10185.8	13639.3	14933.1
50°	8873.6	8961.9	9273.3	9687.9	9877.7	9752.8	9956.0	11329.7	14706.7	16158.7
52.5°	8160.9	8250.9	8643.8	9299.9	10074.2	10467.2	10960.1	12457.0	15740.7	17319.3
55°	7130.2	7225.1	7729.7	8472.3	9699.5	10761.9	11797.6	13582.7	16688.2	18363.4
57.5°	5728.1	5798.1	6322.6	7361.7	8757.1	10468.8	12415.4	14811.6	17580.7	19389.1
60°	3733.3	3794.9	4404.3	5563.3	7195.1	9489.7	12538.6	16182.0	18766.3	20722.9
62.5°	2482.7	2524.4	2885.7	3736.6	5067.1	7609.8	11817.6	17276.0	20504.7	23044.1
65°	1703.5	1745.1	2106.4	2699.2	3273.7	5033.8	9744.5	17131.1	22080.0	24887.4
67.5°	1215.6	1250.5	1556.9	2116.4	2369.5	2924.0	6605.7	15279.5	21853.5	24957.4
70°	870.9	890.9	1144.0	1648.5	1883.3	1756.7	3673.3	11686.1	19134.3	23045.8
72.5°	609.4	616.1	794.3	1255.5	1517.0	1282.2	1748.4	7791.3	14471.9	18088.6
75°	413.0	421.3	534.5	920.8	1217.2	979.1	925.8	4177.9	8495.6	10012.6
77.5°	253.1	256.4	344.7	629.4	910.8	746.0	596.1	1770.1	3287.0	3227.1
80°	143.2	143.2	219.8	391.3	621.1	481.2	418.0	752.7	1040.7	914.2
82.5°	79.9	81.6	159.9	243.1	411.3	284.7	229.8	348.0	449.6	398.0
85°	33.3	36.6	98.2	114.9	196.5	141.5	93.2	146.5	166.5	148.2
87.5°	3.3	5.0	30.0	21.6	23.3	28.3	13.3	28.3	23.3	23.3
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°
3831.5	0°	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5	3831.5
3888.1	2.5°	3856.5	3831.5	3768.3	3695.0	3598.4	3551.8	3488.5	3445.2	3408.6	3411.9
3984.7	5°	3931.4	3868.2	3726.6	3550.1	3330.3	3173.8	3007.3	2892.4	2799.1	2779.1
4117.9	7.5°	4034.7	3934.8	3686.7	3368.6	2997.3	2715.9	2464.4	2302.9	2188.0	2151.4
4279.5	10°	4167.9	4023.0	3635.0	3140.5	2606.0	2248.0	1978.2	1851.7	1773.4	1746.7
4469.3	12.5°	4322.7	4124.6	3566.8	2862.4	2203.0	1858.3	1686.8	1623.5	1598.6	1590.2
4702.4	15°	4517.6	4251.1	3463.5	2532.7	1861.6	1620.2	1546.9	1538.6	1541.9	1538.6
4982.2	17.5°	4749.0	4389.4	3295.3	2193.0	1631.9	1498.6	1472.0	1478.7	1487.0	1485.3
5295.2	20°	5002.1	4525.9	3080.5	1891.6	1475.3	1412.1	1397.1	1403.7	1410.4	1407.1
5656.5	22.5°	5290.2	4672.4	2842.4	1656.8	1370.4	1332.1	1315.5	1317.1	1317.1	1310.5
6114.5	25°	5634.9	4834.0	2592.6	1490.3	1290.5	1260.5	1240.5	1233.9	1223.9	1203.9
6670.6	27.5°	6046.2	5005.5	2352.9	1373.8	1227.2	1198.9	1175.6	1158.9	1134.0	1100.7
7338.3	30°	6509.1	5213.6	2149.7	1300.5	1177.3	1149.0	1122.3	1097.3	1060.7	1019.1
8106.0	32.5°	7053.6	5436.7	2001.5	1252.2	1132.3	1102.3	1070.7	1040.7	1000.8	959.1
8968.5	35°	7703.0	5706.5	1914.9	1218.9	1097.3	1057.4	1022.4	989.1	959.1	922.5
9906.0	37.5°	8407.4	5992.9	1888.3	1202.2	1074.0	1012.4	972.5	949.1	945.8	924.2
10920.1	40°	9178.3	6332.6	1908.3	1192.3	1049.0	969.1	925.8	920.8	929.2	890.9
12004.1	42.5°	9994.3	6735.6	1941.6	1180.6	1014.1	925.8	884.2	884.2	877.5	824.3
13149.7	45°	10876.8	7200.1	1974.9	1152.3	972.5	882.5	850.9	839.2	810.9	759.3
14302.0	47.5°	11766.0	7673.0	1999.9	1100.7	922.5	845.9	817.6	790.9	749.3	702.7
15432.7	50°	12610.2	8097.7	1973.2	1024.1	865.9	810.9	781.0	744.3	699.4	667.7
16503.4	52.5°	13364.6	8465.7	1860.0	934.2	805.9	774.3	747.7	709.4	672.7	639.4
17469.2	55°	14020.6	8763.7	1660.2	849.2	752.7	742.7	716.0	667.7	617.8	589.5
18426.6	57.5°	14650.1	8990.2	1410.4	779.3	704.4	707.7	667.7	624.4	577.8	547.8
19717.1	60°	15487.6	9293.2	1157.3	714.4	652.7	662.7	619.4	587.8	529.5	491.2
21930.1	62.5°	16826.4	9764.5	919.2	634.4	592.8	596.1	577.8	539.5	469.6	424.6
23570.3	65°	17888.8	9591.3	724.3	547.8	524.5	529.5	529.5	487.9	413.0	361.3
23658.6	67.5°	17768.9	8212.6	577.8	462.9	459.6	462.9	474.6	439.6	366.3	324.7
21856.9	70°	16368.5	6532.4	462.9	384.7	399.6	391.3	424.6	401.3	329.7	288.1
16944.6	72.5°	13356.2	4705.7	353.0	318.0	306.4	319.7	383.0	361.3	274.8	228.1
8975.2	75°	7804.6	2511.1	263.1	251.4	221.5	266.4	339.7	308.1	209.8	168.2
2750.8	77.5°	2541.0	875.9	193.2	184.8	164.9	214.8	289.7	259.8	171.5	133.2
805.9	80°	681.0	264.8	131.5	121.6	106.6	159.9	229.8	206.5	123.2	86.6
346.4	82.5°	273.1	111.6	76.6	68.3	58.3	109.9	181.5	166.5	91.6	55.0
108.2	85°	88.3	36.6	28.3	21.6	26.6	68.3	108.2	113.2	64.9	28.3
16.7	87.5°	11.7	5.0	5.0	6.7	5.0	11.7	33.3	31.6	18.3	3.3
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>
3831.5
3378.6
2734.2
2114.7
1726.8
1585.2
1536.9
1482.0
1405.4
1307.1
1200.6
1097.3
1015.7
960.8
919.2
922.5
892.5
824.3
757.6
701.0
662.7
636.1
586.1
544.5
486.2
421.3
356.3
<b>318.0</b>
283.1
223.1
163.2
128.2
84.9
55.0
21.6
0.0
0.0

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