

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: P952879

Luminaire Tested: **GALN-SB6C-835-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-835-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41868 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

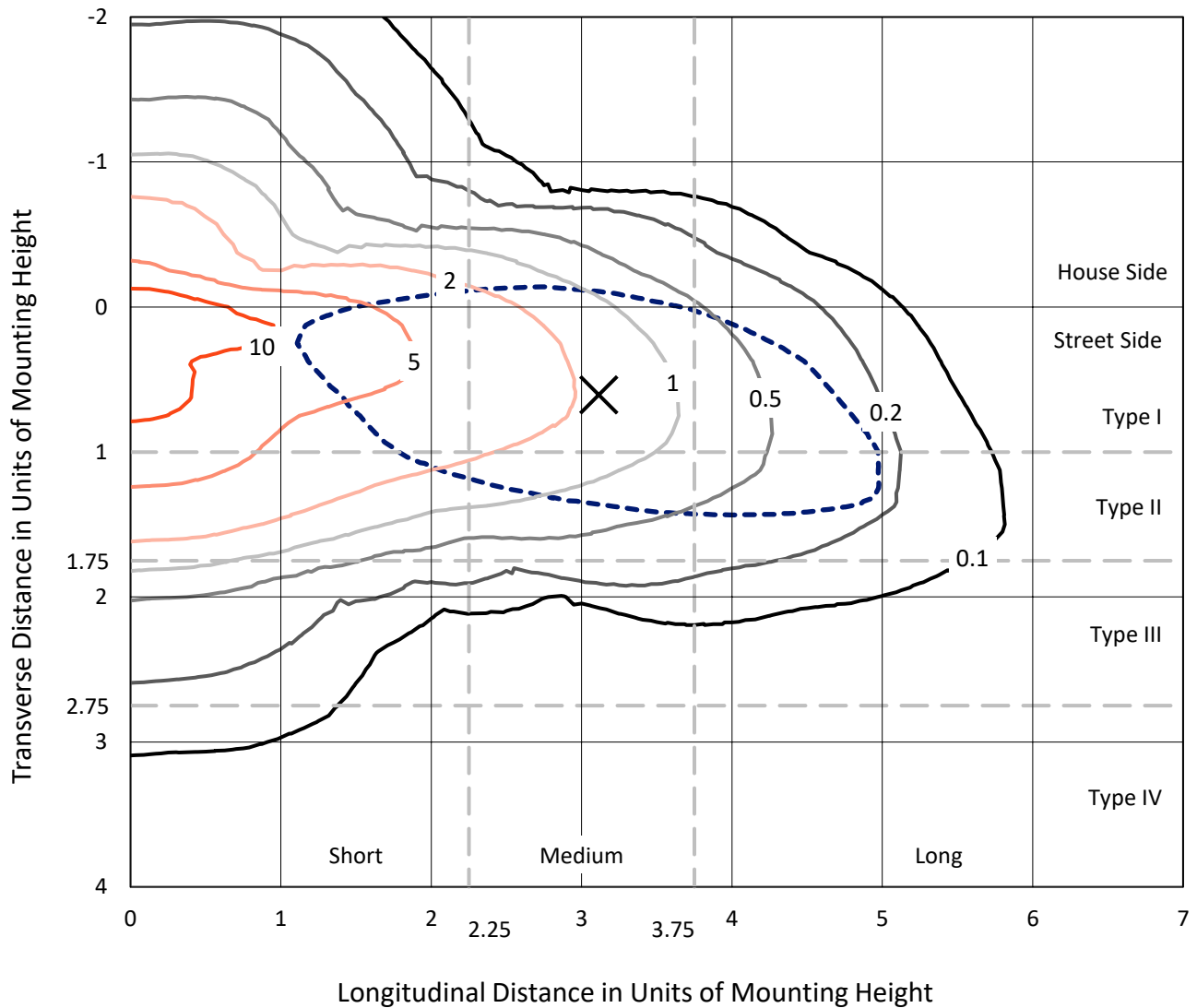
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

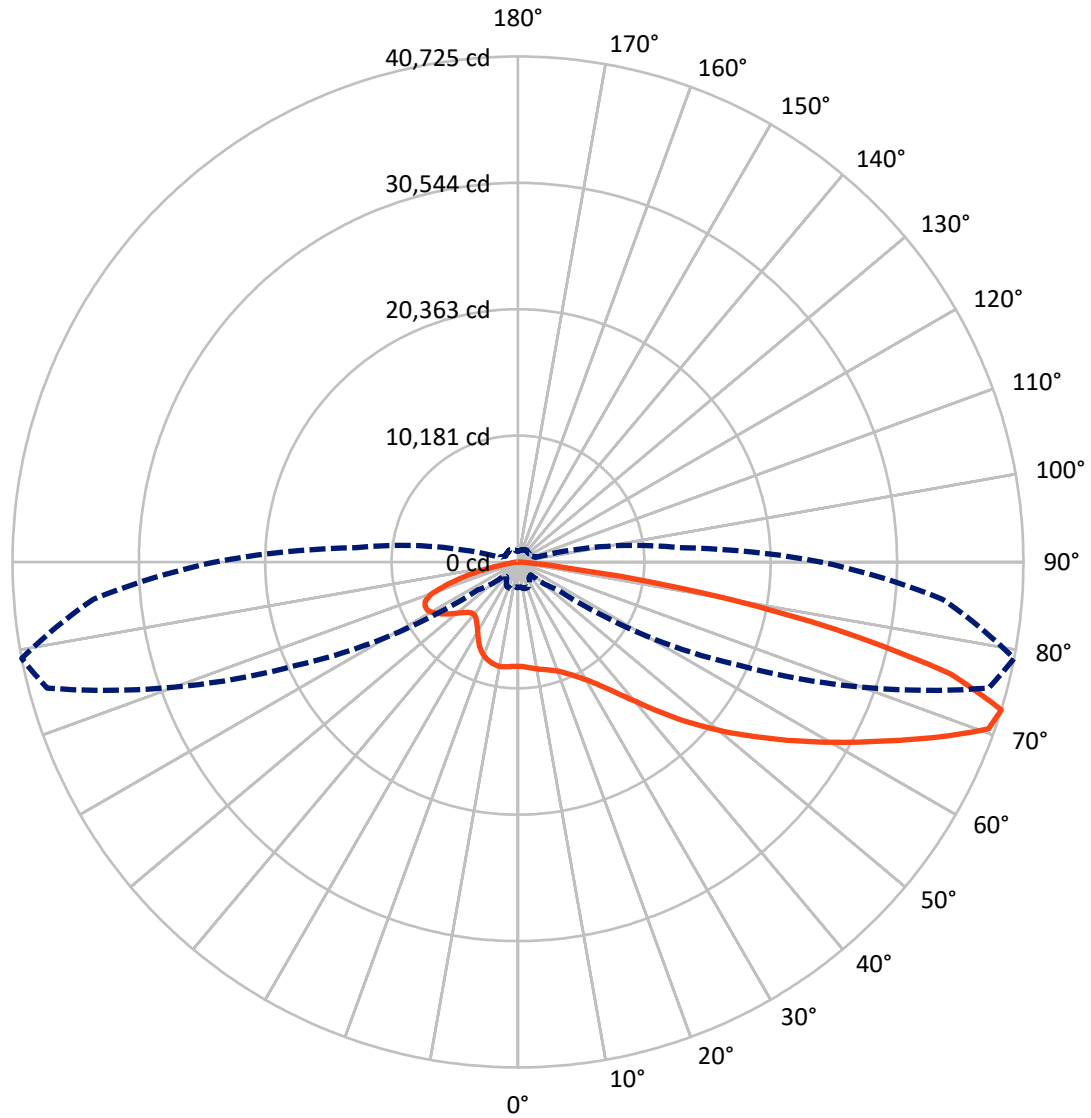
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9213.3	0.0	9213.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	32654.7	0.0	32654.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	41868.0	0.0	41868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.9	1.8
10°-20°	1994.6	4.8
20°-30°	3218.4	7.7
30°-40°	4830.4	11.5
40°-50°	6852.2	16.4
50°-60°	8653.5	20.7
60°-70°	8788.8	21.0
70°-80°	5990.0	14.3
80°-90°	777.1	1.9
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°	41868.0	100.0
0°-180°	41868.0	100.0

Coefficient of Utilization



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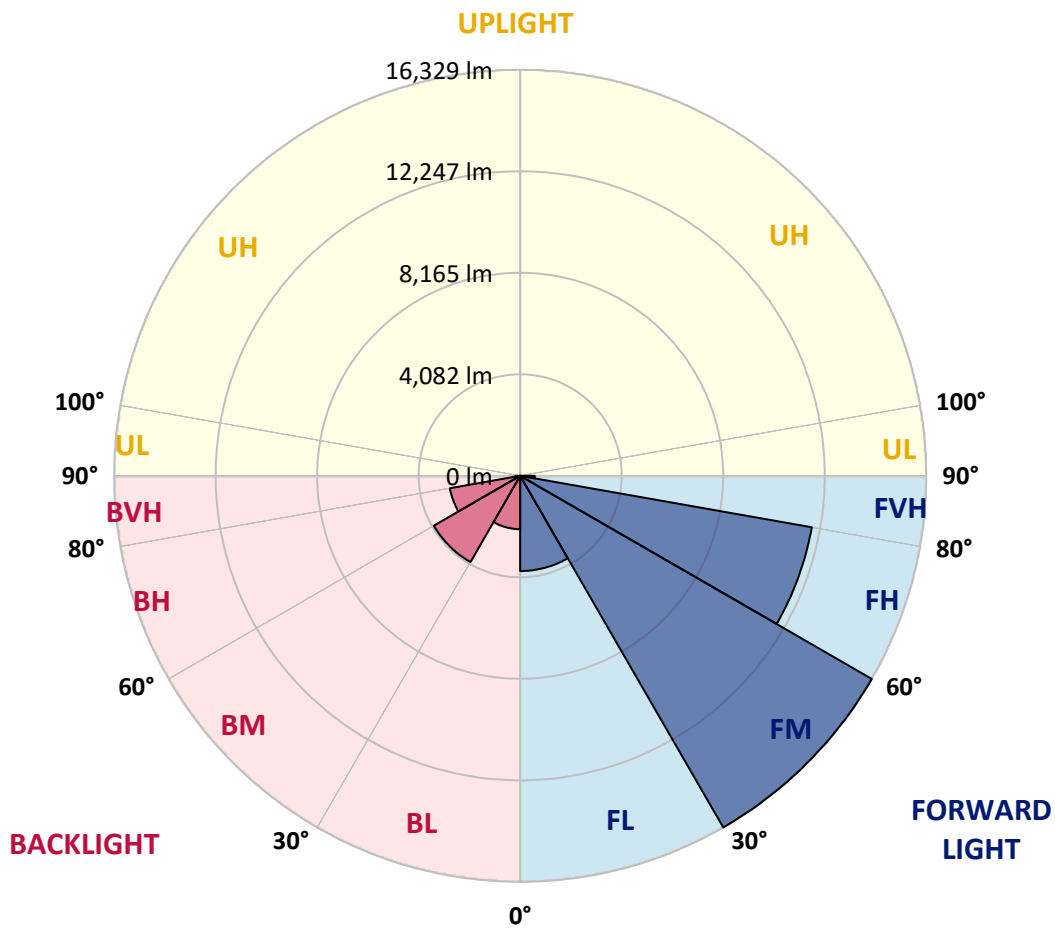
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3829.9	9.1			
FM (30°-60°)	16329.4	39.0			
FH (60°-80°)	11910.0	28.4			G4/12000
FVH (80°-90°)	585.4	1.4			G4/750
BL (0°-30°)	2146.0	5.1	B3/2500		
BM (30°-60°)	4006.8	9.6	B3/5000		
BH (60°-80°)	2868.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	191.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6
2.5°	8409.0	8369.2	8393.5	8384.7	8395.7	8409.0	8413.5	8420.1	8442.3	8440.0
5°	8391.3	8351.5	8384.7	8373.6	8402.4	8433.4	8460.0	8484.3	8519.8	8535.3
7.5°	8353.7	8327.1	8360.3	8393.5	8446.7	8493.2	8530.8	8586.2	8637.1	8646.0
10°	8134.4	8114.5	8192.0	8278.4	8424.5	8550.8	8632.7	8696.9	8752.3	8761.2
12.5°	7906.3	7881.9	7968.3	8085.7	8322.7	8550.8	8723.5	8807.7	8856.4	8885.2
15°	7868.7	7848.7	7897.4	7999.3	8196.4	8491.0	8785.5	8940.5	8982.6	9015.8
17.5°	8050.3	8012.6	8032.5	8068.0	8183.1	8435.6	8834.2	9091.1	9155.4	9190.8
20°	8471.0	8417.9	8386.9	8316.0	8296.1	8444.5	8829.8	9272.7	9356.9	9401.2
22.5°	9031.3	8995.9	8929.5	8750.1	8555.2	8553.0	8914.0	9505.3	9662.5	9704.6
25°	9709.0	9655.9	9571.7	9328.1	8953.8	8767.8	9055.7	9802.0	10065.6	10076.7
27.5°	10488.6	10408.9	10293.7	9972.6	9467.6	9104.4	9272.7	10143.1	10528.5	10524.0
30°	11310.2	11230.5	11108.7	10718.9	10083.3	9558.4	9573.9	10510.7	11077.7	11053.3
32.5°	11910.4	11850.6	11826.2	11525.0	10792.0	10094.4	9919.4	10918.2	11755.4	11733.2
35°	12371.0	12293.5	12322.3	12169.5	11564.9	10694.6	10342.4	11403.2	12579.2	12577.0
37.5°	12827.3	12758.6	12783.0	12681.1	12280.2	11456.4	10858.4	11996.8	13600.2	13648.9
40°	13243.6	13170.5	13268.0	13172.7	12836.1	12267.0	11445.3	12667.8	14782.8	14875.8
42.5°	13493.9	13436.3	13598.0	13600.2	13318.9	12951.3	12089.8	13407.5	16151.5	16359.6
45°	13580.2	13560.3	13803.9	13854.9	13746.3	13347.7	12670.0	14213.6	17626.4	17998.5
47.5°	13487.2	13449.6	13786.2	13974.5	14060.8	13533.7	13150.6	15086.2	19132.4	19677.2
50°	13017.7	12944.6	13445.2	13841.6	14149.4	13655.5	13635.6	16093.9	20844.3	21440.0
52.5°	12173.9	12118.6	12687.7	13376.5	13954.5	13715.3	14180.4	17194.6	22469.9	23240.6
55°	11095.4	11022.3	11649.1	12548.2	13469.5	13695.4	14725.2	18425.9	24387.7	25169.5
57.5°	9385.7	9239.5	10032.4	11095.4	12678.9	13671.0	15292.2	19650.6	26336.6	27273.4
60°	6892.0	6675.0	7647.2	8907.3	11133.1	13434.1	15994.2	21023.7	28675.3	29519.1
62.5°	4012.9	3886.7	4522.3	5698.3	8391.3	12038.8	16388.4	22620.5	30974.1	31860.0
65°	3116.0	3080.6	3135.9	3226.7	4670.7	9013.6	15172.6	24177.4	33897.5	34517.6
67.5°	2850.3	2823.7	2848.0	2677.5	2369.7	5020.6	12003.4	24571.6	37029.0	37405.5
70°	2533.6	2502.6	2582.3	2436.1	1864.7	2283.3	7755.7	23140.9	39520.5	40226.9
72.5°	2064.1	2028.6	2214.7	2148.2	1570.2	1466.1	3895.6	19741.4	39259.1	40725.2
75°	1585.7	1565.8	1787.2	1842.6	1280.1	1153.8	1869.2	14674.3	34548.6	36025.7
77.5°	1231.3	1215.8	1328.8	1530.3	1032.0	894.7	1149.4	9308.2	26035.4	26294.6
80°	923.5	879.2	983.3	1184.8	803.9	653.3	779.6	5428.1	16457.1	14917.9
82.5°	578.0	555.9	642.2	790.6	567.0	449.6	507.2	2998.6	6595.2	3884.5
85°	330.0	321.1	349.9	451.8	307.8	259.1	290.1	1324.4	1204.8	828.3
87.5°	132.9	128.4	159.5	201.5	112.9	95.2	101.9	318.9	265.8	245.8
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°
8404.6	0°	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6	8404.6
8437.8	2.5°	8429.0	8429.0	8398.0	8349.2	8293.9	8258.4	8200.9	8185.4	8125.6	8107.8
8513.1	5°	8530.8	8513.1	8417.9	8280.6	8092.3	7919.6	7729.1	7609.5	7441.2	7381.4
8661.5	7.5°	8659.3	8610.6	8446.7	8145.5	7751.3	7363.7	6960.7	6655.0	6362.7	6258.6
8783.3	10°	8776.7	8708.0	8429.0	7901.9	7219.8	6548.7	5906.5	5456.9	5115.8	4976.3
8918.4	12.5°	8894.0	8767.8	8311.6	7496.6	6464.6	5554.3	4870.0	4520.1	4309.7	4141.4
9029.1	15°	9004.8	8827.6	8130.0	6954.0	5636.3	4712.8	4207.8	3928.8	3760.5	3649.7
9190.8	17.5°	9133.2	8878.5	7857.6	6265.2	4847.9	4130.3	3718.4	3550.1	3516.9	3503.6
9412.3	20°	9312.6	8925.0	7498.8	5494.6	4267.6	3665.2	3452.6	3437.1	3434.9	3428.3
9678.0	22.5°	9505.3	8980.4	7024.9	4794.7	3773.8	3375.1	3337.5	3306.5	3286.5	3284.3
9999.2	25°	9733.4	8998.1	6431.3	4221.1	3353.0	3237.8	3193.5	3147.0	3133.7	3133.7
10364.6	27.5°	9954.9	8938.3	5740.4	3722.8	3116.0	3111.6	3054.0	3038.5	3036.3	3042.9
10780.9	30°	10176.3	8825.4	5053.8	3262.2	2978.7	2978.7	2958.8	2969.8	2978.7	3000.9
11352.3	32.5°	10475.3	8705.8	4480.2	2921.1	2859.1	2837.0	2856.9	2879.0	2887.9	2916.7
12103.1	35°	10913.8	8621.6	4024.0	2735.1	2735.1	2706.3	2717.4	2712.9	2693.0	2679.7
13011.1	37.5°	11494.0	8617.2	3647.5	2648.7	2631.0	2626.6	2628.8	2600.0	2522.5	2429.5
14109.5	40°	12191.7	8736.8	3357.4	2588.9	2575.6	2602.2	2588.9	2511.4	2298.8	2137.1
15460.5	42.5°	13128.5	9077.9	3171.4	2515.8	2555.7	2588.9	2535.8	2267.8	2123.9	2015.3
16999.7	45°	14231.4	9631.5	3076.2	2438.3	2518.1	2557.9	2301.0	2183.6	2068.5	1937.8
18678.4	47.5°	15480.4	10329.1	3054.0	2365.2	2433.9	2458.3	2201.4	2148.2	2017.5	1875.8
20365.9	50°	16840.2	11155.2	3113.8	2278.9	2312.1	2227.9	2168.1	2119.4	1984.3	1844.8
22095.6	52.5°	18246.5	12065.4	3233.4	2161.5	2190.3	2097.3	2154.9	2112.8	1964.4	1776.2
23882.8	55°	19628.5	12982.3	3348.6	2024.2	2066.3	1979.9	2117.2	2086.2	1873.6	1661.0
25789.6	57.5°	21032.5	13894.7	3461.5	1902.4	1946.7	1867.0	2057.4	2015.3	1771.7	1554.7
27871.4	60°	22492.0	14780.6	3514.7	1785.0	1816.0	1762.9	1966.6	1893.5	1656.6	1446.2
29917.7	62.5°	23858.4	15518.1	3428.3	1667.6	1687.6	1665.4	1847.0	1749.6	1541.4	1324.4
32050.4	65°	25229.3	15956.6	3162.5	1552.5	1556.9	1545.8	1678.7	1594.5	1406.3	1218.1
33917.4	67.5°	26471.7	16202.4	2739.5	1428.5	1417.4	1412.9	1521.5	1426.2	1275.6	1111.8
35337.0	70°	26735.3	15577.9	2092.8	1282.3	1282.3	1271.2	1348.7	1251.3	1131.7	998.8
34320.5	72.5°	24418.7	13104.1	1486.0	1116.2	1133.9	1111.8	1176.0	1094.0	985.5	896.9
29578.9	75°	19690.5	9609.4	1080.7	945.7	976.7	939.0	998.8	941.2	848.2	846.0
20383.7	77.5°	13529.3	5941.9	784.0	779.6	801.7	753.0	821.6	790.6	706.5	668.8
8871.9	80°	5773.6	2369.7	571.4	602.4	602.4	558.1	637.8	646.7	573.6	555.9
1711.9	82.5°	1149.4	673.3	400.9	414.1	389.8	376.5	451.8	500.5	691.0	768.5
516.0	85°	345.5	248.0	241.4	225.9	199.3	201.5	265.8	502.7	620.1	354.3
170.5	87.5°	95.2	62.0	64.2	50.9	42.1	55.4	90.8	380.9	208.2	88.6
0.0	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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<u>180°</u>
8404.6
8136.6
7425.7
6271.9
5007.3
4196.8
3669.7
3512.4
3450.4
3308.7
3147.0
3060.6
3016.4
2941.1
2710.7
2431.7
2132.7
2010.9
1929.0
1864.7
1829.3
1762.9
1649.9
1550.3
1439.5
1322.1
1204.8
1098.5
994.4
870.4
761.8
626.7
555.9
770.7
305.6
75.3
0.0

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