

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: STREETWORKS

Report Number: P947500

Luminaire Tested: **GLAN-SB2D-830-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-830-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18597 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 147.6
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

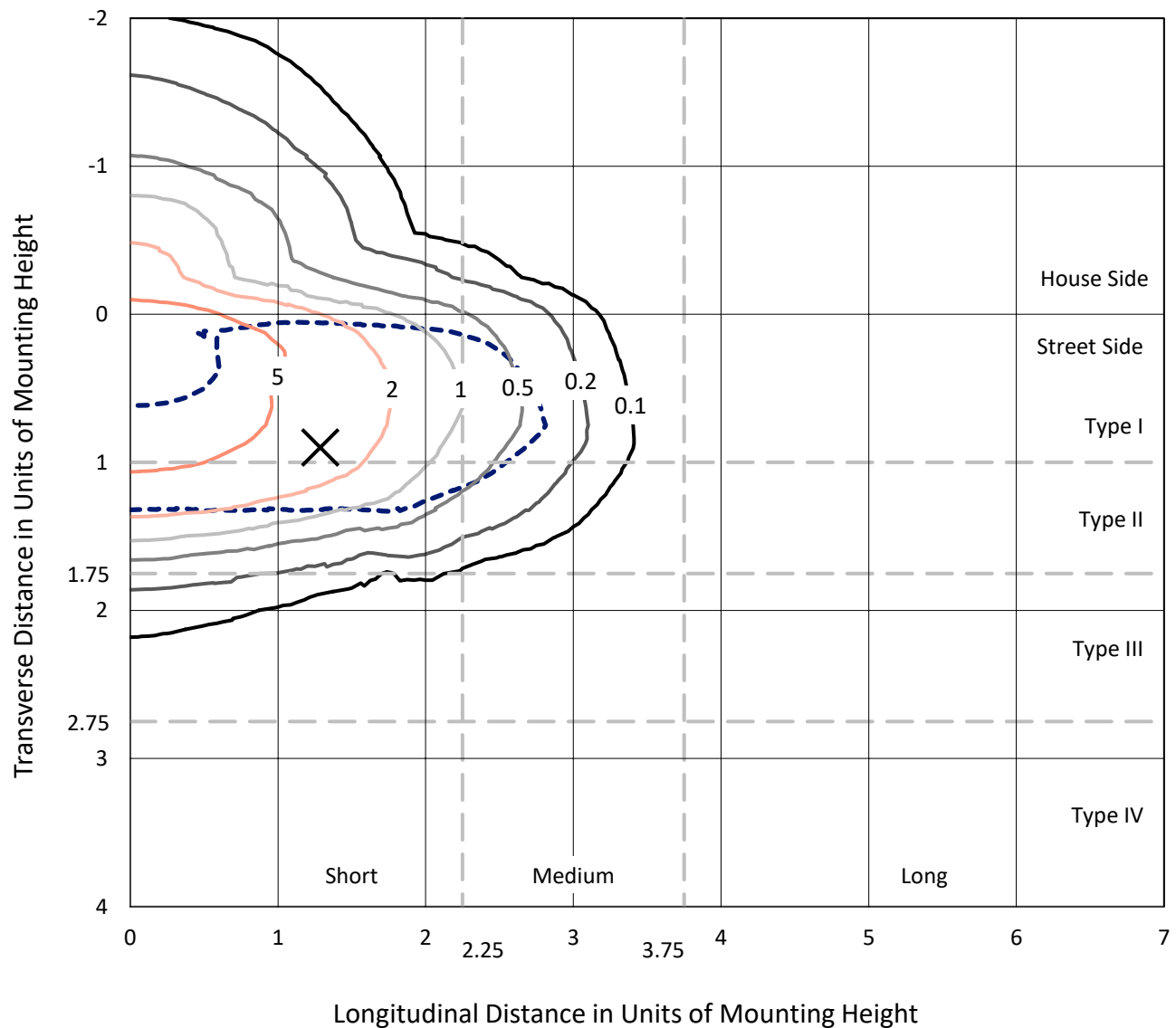


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Iso-Footcandle Lines of Horizontal Illumination

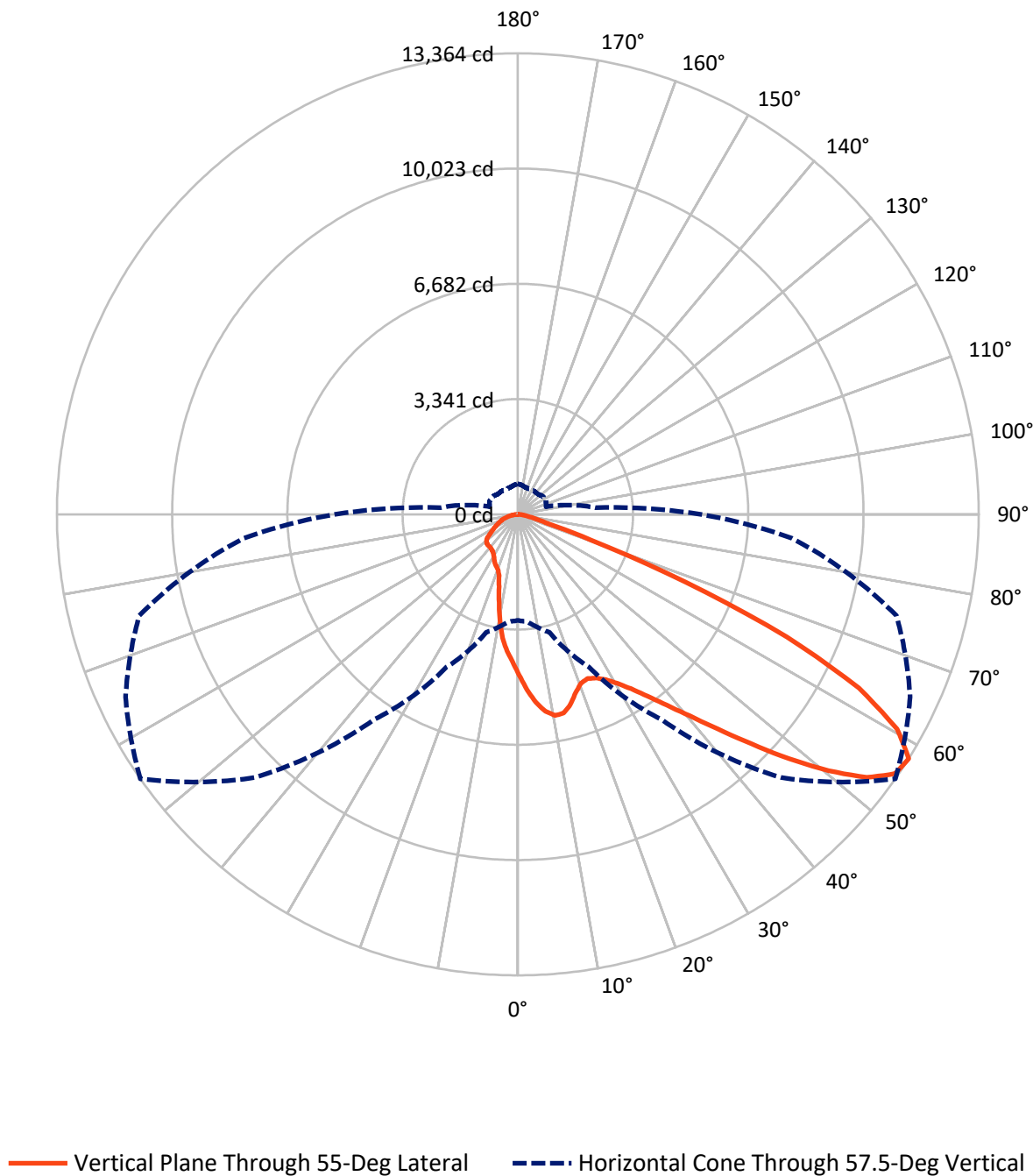
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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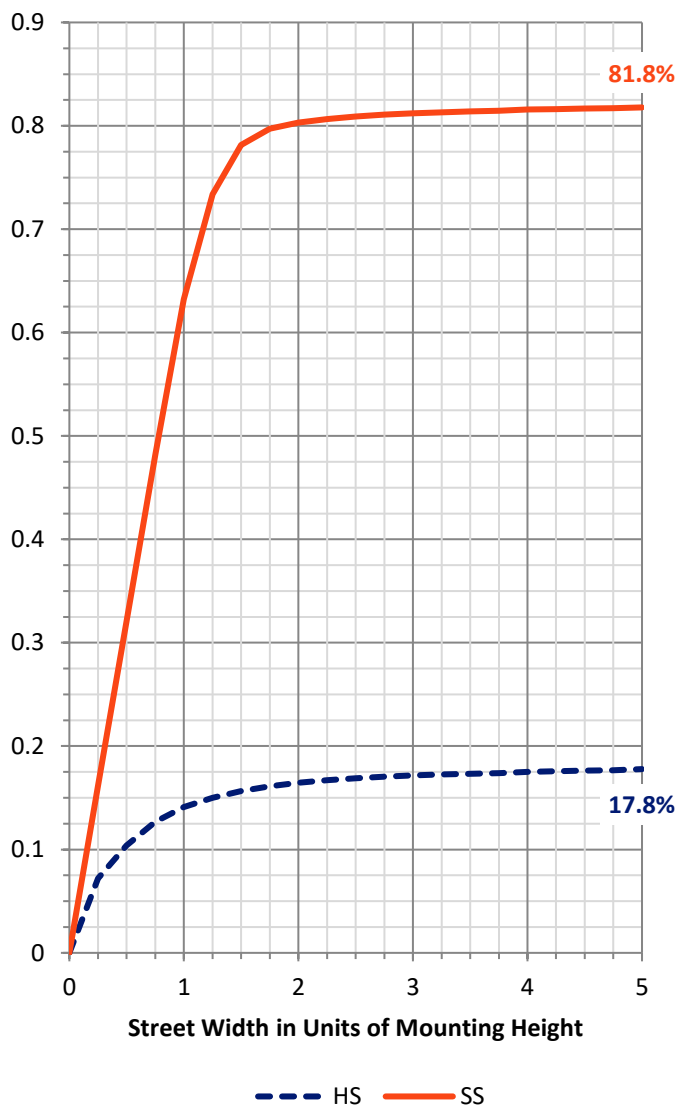
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3365.0	0.0	3365.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	15232.0	0.0	15232.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	18597.0	0.0	18597.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.4	2.3
10°-20°	1091.4	5.9
20°-30°	1741.6	9.4
30°-40°	2757.3	14.8
40°-50°	4220.4	22.7
50°-60°	4520.4	24.3
60°-70°	2843.8	15.3
70°-80°	841.0	4.5
80°-90°	148.7	0.8
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°	18597.0	100.0
0°-180°	18597.0	100.0

Coefficient of Utilization



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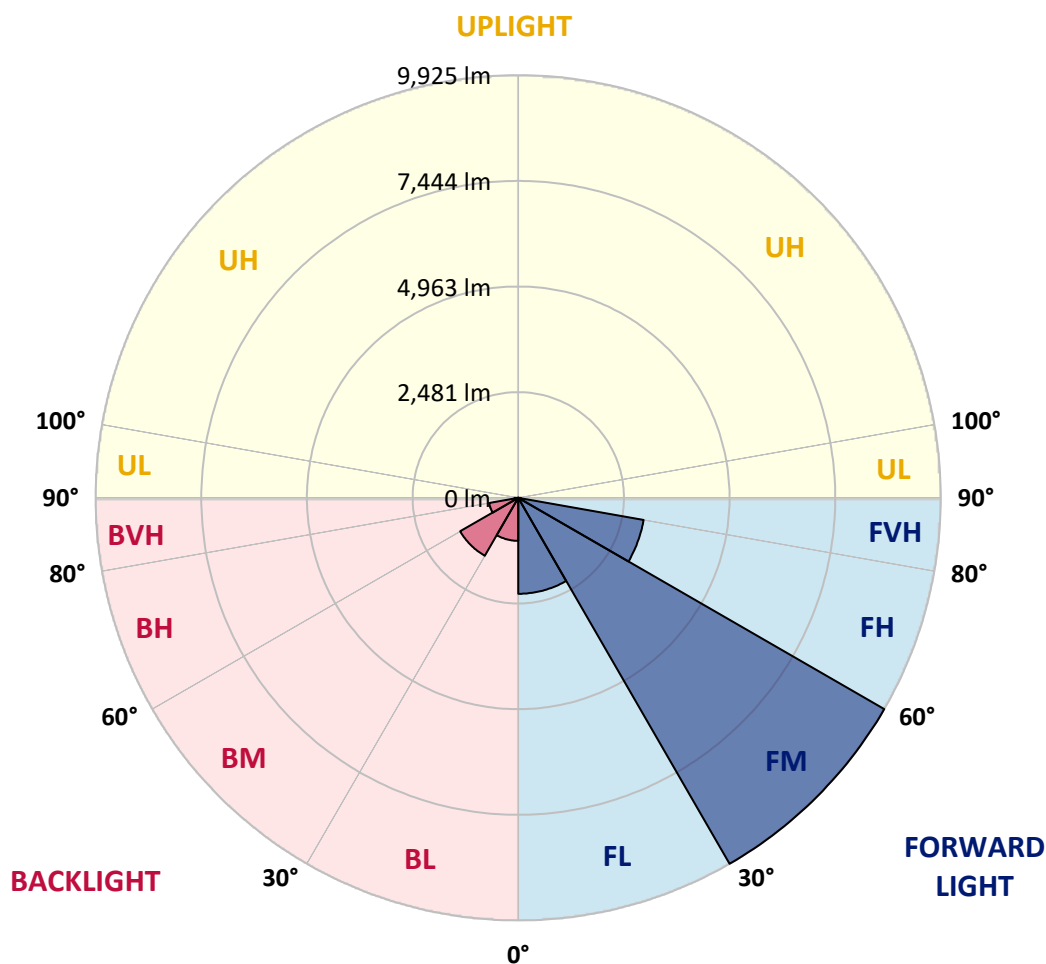
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2254.0	12.1			
FM	(30°-60°)	9925.3	53.4			
FH	(60°-80°)	2989.8	16.1			G2/5000
FVH	(80°-90°)	62.8	0.3			G1/100
BL	(0°-30°)	1011.4	5.4	B3/2500		
BM	(30°-60°)	1572.8	8.5	B2/2500		
BH	(60°-80°)	695.0	3.7	B2/1000		G2/1000
BVH	(80°-90°)	85.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8
2.5°	5346.2	5342.4	5363.5	5291.4	5242.4	5176.1	5088.6	4977.1	4856.9	4730.0
5°	5827.9	5794.2	5816.3	5762.5	5708.7	5608.7	5478.9	5297.2	5075.1	4822.3
7.5°	5751.9	5728.9	5785.6	5833.6	5874.0	5861.5	5766.4	5576.0	5289.5	4922.3
10°	5139.5	5113.6	5193.4	5359.7	5603.9	5816.3	5931.7	5813.5	5508.7	5031.9
12.5°	4599.2	4586.7	4639.6	4774.2	5045.3	5452.9	5910.6	6021.1	5736.5	5161.6
15°	4368.5	4353.1	4386.8	4455.0	4628.1	5007.8	5718.3	6163.4	5960.6	5311.6
17.5°	4317.6	4300.2	4314.7	4350.2	4461.8	4751.1	5427.9	6233.6	6194.2	5478.9
20°	4411.8	4397.3	4399.3	4397.3	4475.2	4705.0	5226.1	6206.7	6398.0	5632.7
22.5°	4639.6	4615.6	4616.5	4565.6	4607.9	4785.7	5173.2	6134.6	6579.7	5767.3
25°	5010.7	4967.4	4976.1	4846.3	4834.8	4966.5	5255.9	6078.8	6760.4	5875.0
27.5°	5518.3	5469.3	5443.3	5250.1	5157.8	5223.2	5424.1	6098.0	6931.5	5968.2
30°	6152.8	6093.2	6040.3	5766.4	5599.1	5575.0	5685.6	6224.9	7133.4	6066.3
32.5°	6930.6	6861.4	6765.2	6401.8	6166.3	6040.3	6024.0	6450.9	7369.9	6191.3
35°	7856.4	7766.0	7629.5	7159.4	6861.4	6603.7	6470.1	6776.8	7693.9	6379.7
37.5°	8810.1	8708.2	8583.2	8023.7	7657.4	7277.6	7014.2	7219.0	8125.6	6635.4
40°	9689.7	9575.3	9459.0	8961.0	8567.8	8110.2	7680.5	7778.5	8653.4	6941.2
42.5°	10208.9	10124.3	10080.1	9810.9	9507.1	9042.7	8509.2	8441.9	9246.5	7293.0
45°	10185.8	10151.2	10287.7	10399.2	10327.1	10069.5	9480.2	9175.4	9841.6	7597.8
47.5°	9641.7	9664.7	9969.5	10596.3	10872.2	11006.8	10585.7	9895.5	10358.9	7825.6
50°	8161.1	8180.4	8886.0	10237.7	11012.6	11771.1	11682.7	10598.2	10759.8	7965.0
52.5°	6989.2	7001.7	7304.6	9174.4	10549.2	12155.7	12671.0	11260.6	11053.0	8003.5
55°	5264.5	5307.8	5647.1	7197.8	9343.6	11850.9	13272.8	11943.2	11238.5	8007.3
57.5°	3075.5	3122.6	3541.7	4885.7	7262.3	10788.6	13364.1	12548.9	11364.5	7976.6
60°	1506.5	1526.7	1709.3	2567.8	4478.1	8741.8	12629.6	12842.1	11434.6	7960.2
62.5°	1015.2	1012.3	1020.0	1267.1	2206.4	5616.4	11099.1	12328.7	11397.1	7897.7
65°	872.9	862.4	833.5	889.3	1143.1	2568.8	8575.5	10796.3	11111.6	7741.0
67.5°	754.7	755.6	756.6	739.3	816.2	1185.4	5240.5	8504.4	10086.8	6998.8
70°	624.9	633.5	637.4	637.4	665.3	777.8	2237.1	5828.8	7956.4	5487.6
72.5°	569.1	550.9	552.8	543.2	543.2	592.2	900.8	3304.3	5012.6	3087.0
75°	464.3	475.9	477.8	471.1	449.0	451.8	534.5	1386.3	2144.8	1280.6
77.5°	400.9	400.9	404.7	399.9	382.6	338.4	356.7	537.4	729.7	524.9
80°	322.1	321.1	337.4	347.1	320.1	250.0	227.8	297.1	324.0	230.7
82.5°	156.7	166.3	231.7	264.4	243.2	180.7	139.4	184.6	173.0	101.9
85°	91.3	86.5	103.8	147.1	139.4	100.0	67.3	96.1	90.4	51.9
87.5°	28.8	26.9	21.2	50.0	40.4	27.9	18.3	27.9	25.0	11.5
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4659.8	0°	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8	4659.8
4675.2	2.5°	4606.9	4493.5	4381.0	4278.1	4215.6	4175.3	4134.9	4089.7	4072.4	4046.4
4687.7	5°	4560.8	4341.6	4146.4	3978.2	3825.3	3705.2	3584.0	3486.0	3441.7	3471.5
4727.1	7.5°	4533.9	4216.6	3915.7	3607.1	3310.0	3072.6	2865.9	2720.7	2655.3	2671.7
4765.6	10°	4509.8	4075.3	3616.7	3129.3	2702.4	2408.3	2196.8	2086.2	2044.9	2053.5
4817.5	12.5°	4487.7	3916.7	3256.2	2615.0	2161.2	1967.0	1906.4	1907.4	1915.1	1920.8
4900.1	15°	4483.9	3725.3	2853.4	2165.0	1868.9	1856.4	1921.8	1963.1	1985.2	1992.0
4969.4	17.5°	4478.1	3496.5	2442.9	1858.3	1797.8	1882.4	1942.9	1969.9	1987.2	1988.1
5036.7	20°	4455.0	3206.2	2064.1	1712.2	1782.4	1855.5	1893.0	1914.1	1928.5	1933.3
5087.6	22.5°	4383.9	2883.2	1768.9	1646.8	1720.9	1779.5	1823.7	1847.8	1856.4	1862.2
5097.2	25°	4256.0	2521.7	1565.1	1584.4	1635.3	1709.3	1744.9	1749.7	1746.8	1755.5
5073.2	27.5°	4088.7	2134.3	1438.2	1499.8	1565.1	1628.6	1647.8	1644.9	1639.2	1648.8
5031.9	30°	3886.9	1786.2	1357.5	1404.6	1494.0	1551.7	1569.0	1562.2	1550.7	1561.3
5010.7	32.5°	3673.4	1501.7	1291.1	1338.2	1435.3	1492.1	1509.4	1502.6	1494.0	1502.6
5034.7	35°	3474.4	1302.7	1229.6	1294.0	1389.2	1445.0	1467.1	1468.0	1468.0	1478.6
5098.2	37.5°	3291.8	1186.3	1178.7	1266.1	1357.5	1407.5	1439.2	1441.1	1399.8	1402.7
5205.9	40°	3122.6	1137.3	1155.6	1247.9	1326.7	1374.8	1376.7	1269.0	1193.1	1191.1
5328.9	42.5°	2984.1	1127.7	1162.3	1245.9	1304.6	1306.5	1171.0	1087.3	1066.2	1067.1
5442.4	45°	2854.3	1124.8	1177.7	1245.9	1271.9	1128.7	1037.3	1015.2	1017.1	1024.8
5493.3	47.5°	2709.2	1113.3	1180.6	1228.6	1177.7	1003.7	976.8	967.1	963.3	965.2
5481.8	50°	2550.5	1071.9	1144.0	1194.0	1016.2	949.8	916.2	913.3	918.1	921.0
5417.4	52.5°	2383.3	1004.6	1081.6	1131.5	942.2	902.7	865.2	872.0	893.1	899.9
5350.1	55°	2273.7	925.8	998.9	1006.6	890.2	858.5	826.8	842.2	881.6	894.1
5309.7	57.5°	2244.8	842.2	904.7	896.0	823.9	820.1	800.8	814.3	864.3	882.5
5307.8	60°	2236.2	767.2	812.4	805.6	759.5	777.8	772.9	779.7	797.0	802.8
5288.5	62.5°	2168.9	707.6	729.7	720.1	701.8	733.5	745.1	730.6	744.1	750.8
5156.8	65°	1997.7	659.5	648.9	642.2	649.9	678.7	701.8	673.0	685.5	704.7
4649.2	67.5°	1715.1	594.1	565.3	573.0	597.0	612.4	642.2	609.5	620.1	652.8
3744.6	70°	1387.3	511.5	485.5	507.6	530.7	562.4	567.2	545.1	570.1	606.6
2285.2	72.5°	981.6	427.8	409.5	454.7	462.4	503.8	493.2	482.6	517.2	529.7
1129.6	75°	680.7	345.1	334.6	369.2	397.0	432.6	424.9	437.4	510.5	516.3
564.3	77.5°	430.7	268.2	261.5	283.6	322.1	361.5	374.0	516.3	872.0	906.6
293.2	80°	250.0	200.0	192.3	209.6	243.2	279.8	360.5	633.5	574.9	568.2
131.7	82.5°	139.4	137.5	127.9	132.7	162.5	201.9	509.5	446.1	362.4	374.0
52.9	85°	65.4	80.8	69.2	66.3	91.3	236.5	340.3	254.8	169.2	165.4
11.5	87.5°	17.3	15.4	15.4	17.3	38.5	203.8	135.6	108.6	64.4	62.5
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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