

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: P951069

Luminaire Tested: **GLAN-SB5B-830-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-830-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21792 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

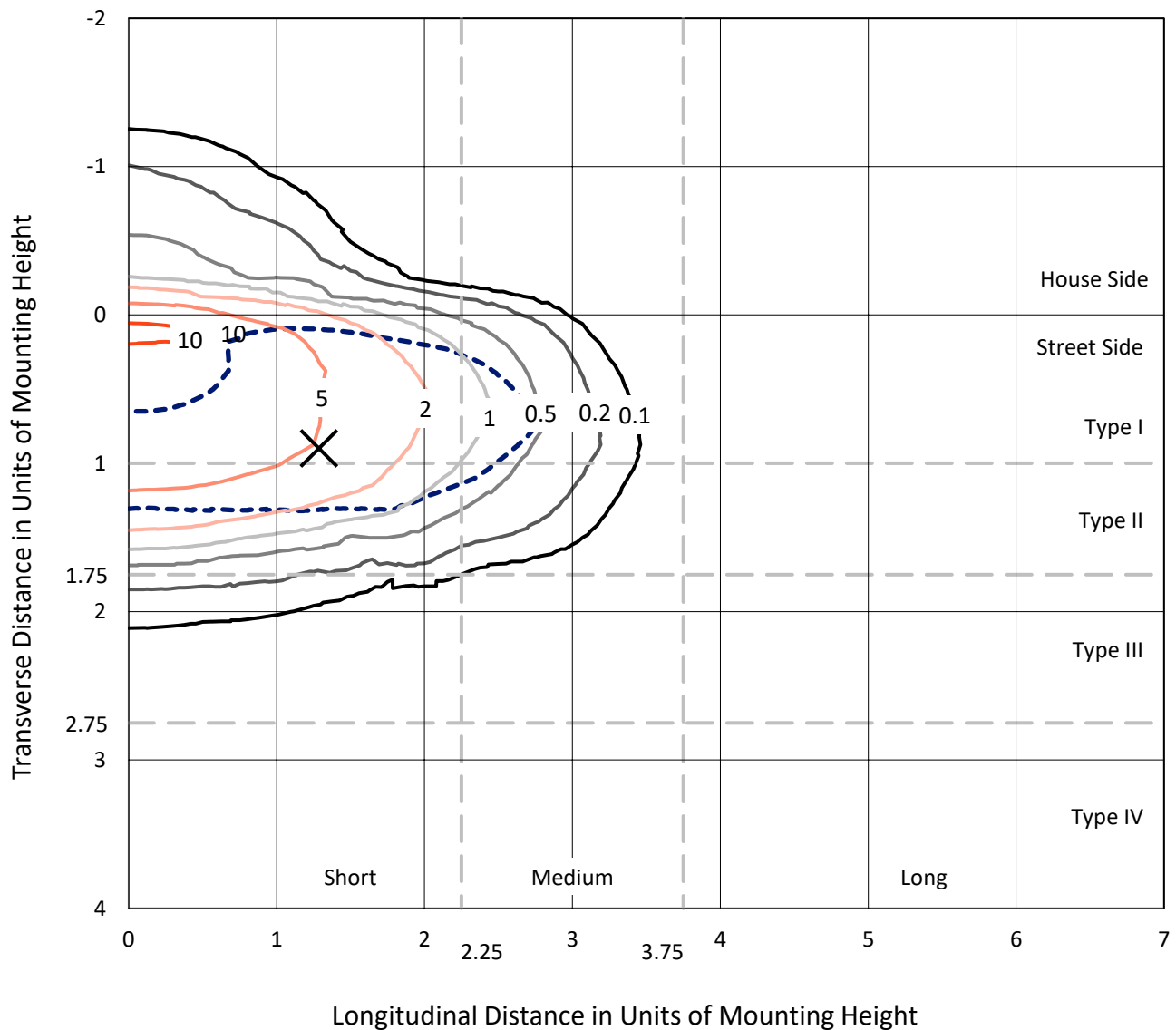
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

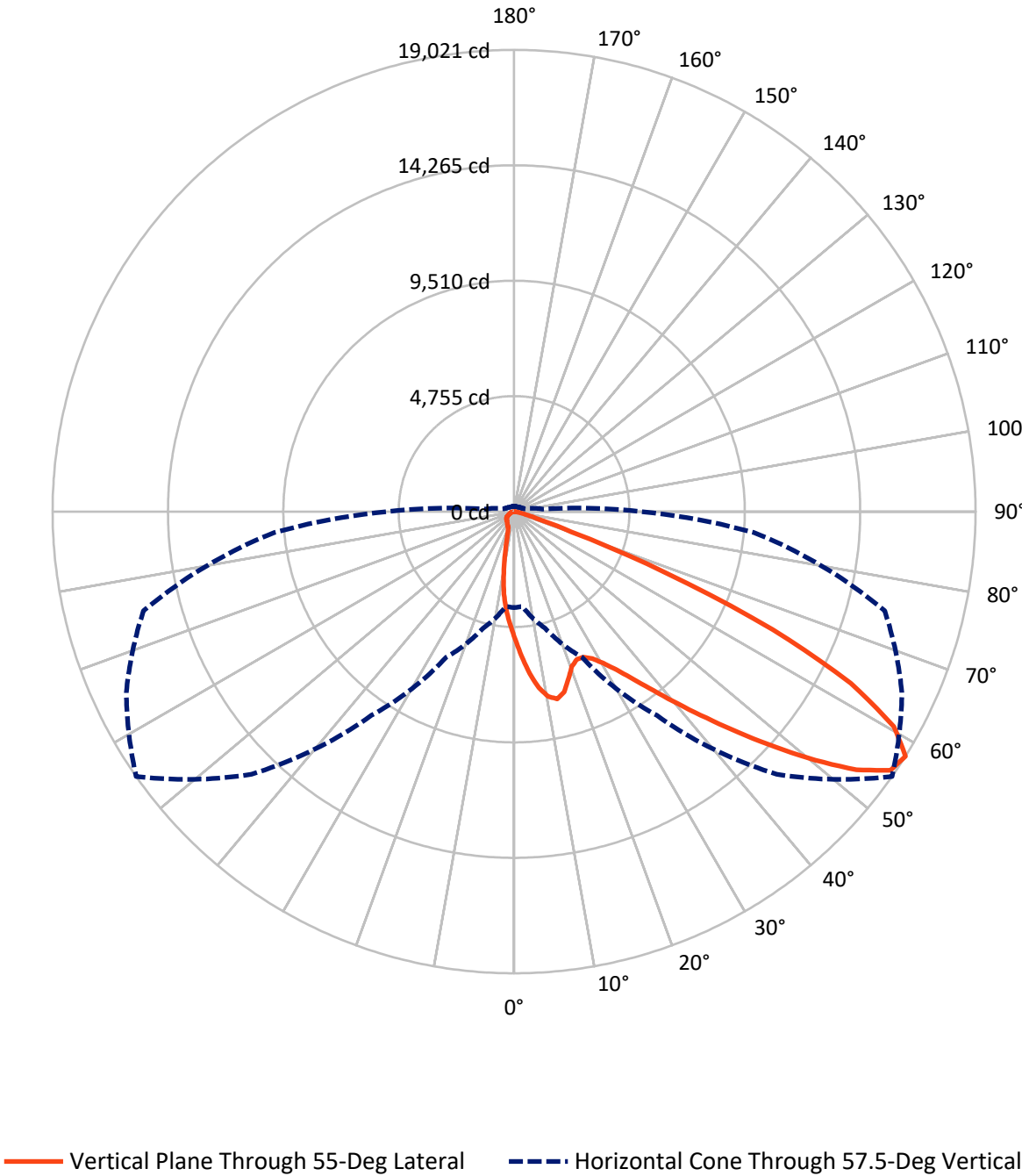
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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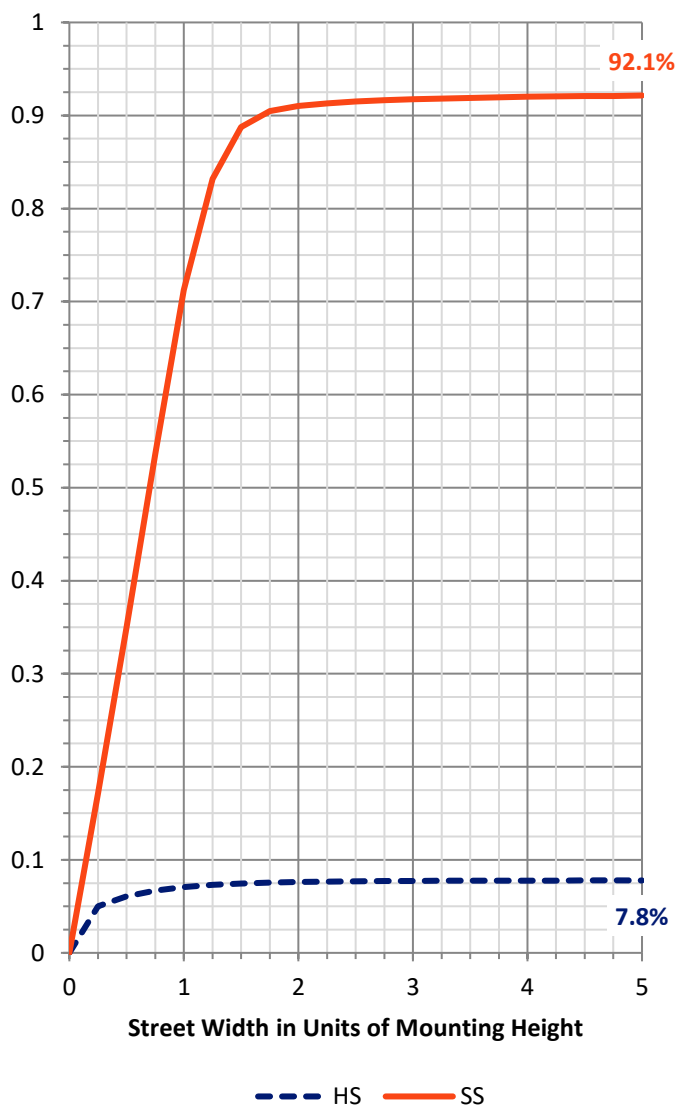
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1701.9	0.0	1701.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	20090.1	0.0	20090.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	21792.0	0.0	21792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.6	2.2
10°-20°	1180.2	5.4
20°-30°	1888.4	8.7
30°-40°	3196.2	14.7
40°-50°	5247.4	24.1
50°-60°	5767.3	26.5
60°-70°	3308.1	15.2
70°-80°	675.9	3.1
80°-90°	39.9	0.2
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°	21792.0	100.0
0°-180°	21792.0	100.0

Coefficient of Utilization



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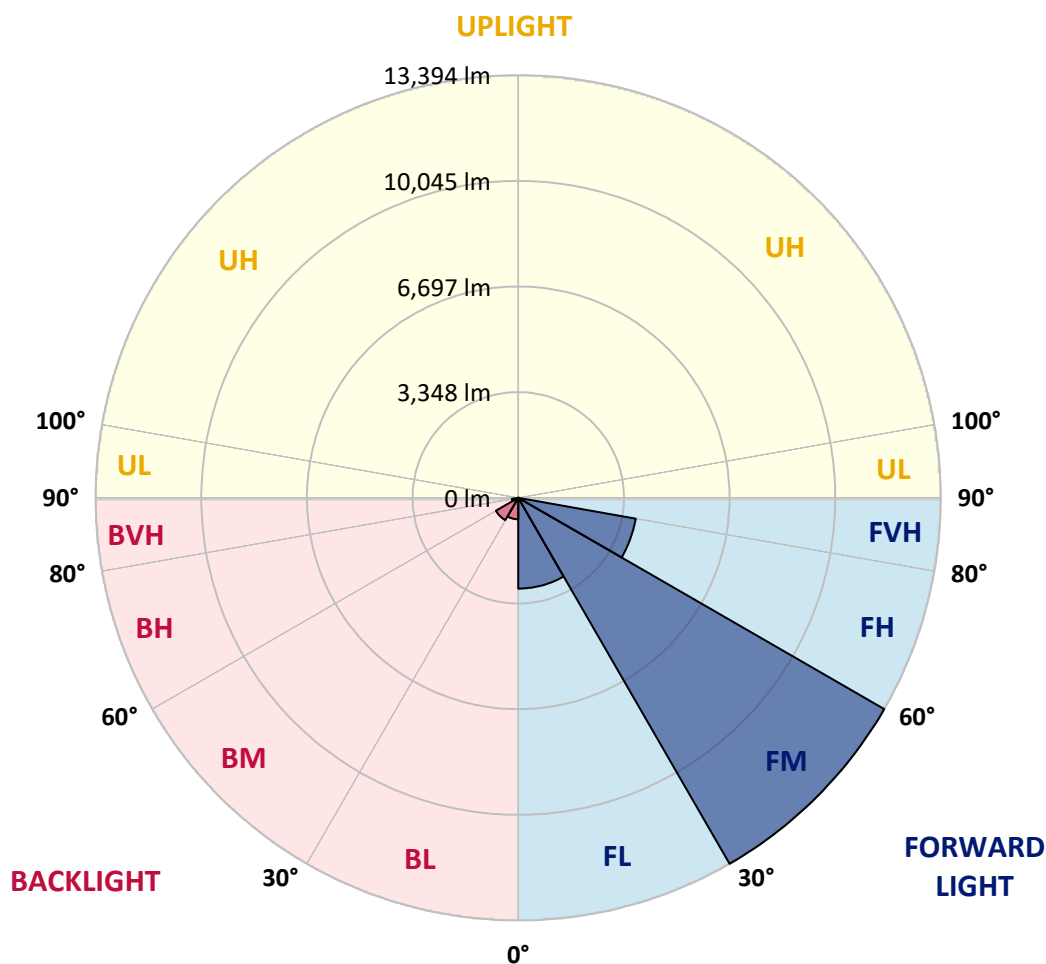
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2877.8	13.2			
FM	(30°-60°)	13393.5	61.5			
FH	(60°-80°)	3781.7	17.4			G2/5000
FVH	(80°-90°)	37.2	0.2			G1/100
BL	(0°-30°)	679.4	3.1	B2/1000		
BM	(30°-60°)	817.3	3.8	B1/1000		
BH	(60°-80°)	202.4	0.9	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3
2.5°	6515.8	6433.8	6421.7	6405.6	6249.7	6132.8	5963.5	5778.1	5569.8	5357.5
5°	7527.6	7463.1	7451.0	7375.8	7198.4	6999.5	6698.5	6318.3	5929.9	5473.1
7.5°	7723.8	7711.7	7766.8	7764.1	7739.9	7582.7	7328.8	6875.9	6292.7	5615.5
10°	6849.0	6879.9	7043.9	7187.7	7576.0	7801.8	7746.7	7373.1	6666.3	5778.1
12.5°	6052.2	6015.9	6132.8	6295.4	6746.9	7418.8	7920.0	7788.3	7093.6	5962.2
15°	5552.3	5537.6	5603.4	5678.6	6022.6	6699.9	7718.4	8125.6	7504.8	6179.9
17.5°	5392.4	5380.3	5400.5	5419.3	5642.4	6166.4	7238.7	8332.5	7898.5	6428.5
20°	5522.8	5506.6	5504.0	5489.2	5581.9	5939.3	6804.7	8347.3	8251.9	6654.2
22.5°	5903.0	5884.2	5818.4	5759.3	5767.3	5970.2	6611.2	8199.5	8518.0	6865.2
25°	6592.4	6561.5	6424.4	6225.5	6099.2	6185.2	6640.8	8004.7	8771.9	7030.4
27.5°	7455.1	7414.8	7238.7	6943.1	6654.2	6549.4	6854.4	7870.3	8982.9	7156.8
30°	8300.3	8247.9	8074.5	7844.8	7422.8	7092.3	7240.1	7929.4	9234.2	7288.4
32.5°	9212.7	9163.0	8933.2	8648.3	8298.9	7854.2	7768.2	8218.3	9541.9	7472.5
35°	10367.0	10289.0	9962.5	9574.1	9203.3	8753.1	8483.0	8716.8	9951.7	7753.4
37.5°	11681.1	11576.3	11224.3	10688.1	10204.4	9700.5	9353.8	9402.1	10552.4	8129.6
40°	12920.1	12824.7	12499.5	11994.2	11386.9	10775.4	10405.9	10298.4	11381.5	8587.8
42.5°	13663.1	13577.1	13440.1	13226.4	12714.5	12091.0	11624.7	11392.2	12362.4	9136.1
45°	13704.8	13629.6	13813.6	14062.2	13961.5	13546.2	12977.8	12551.9	13347.4	9650.7
47.5°	13038.3	12987.2	13546.2	14414.3	14847.0	15021.7	14497.6	13614.8	14160.3	10020.3
50°	11221.6	11202.8	12353.0	13946.7	15184.3	16314.3	16100.7	14603.8	14790.5	10211.1
52.5°	9730.0	9661.5	10332.0	12449.7	14693.8	16994.3	17667.5	15573.9	15231.3	10247.4
55°	7379.8	7319.4	8160.5	9945.0	13112.2	16752.4	18813.7	16575.0	15547.1	10154.6
57.5°	3958.7	3921.0	4983.9	6619.3	10250.0	15301.2	19020.6	17633.9	15813.1	9908.7
60°	1541.3	1534.6	1932.3	3211.5	6229.6	12448.4	17976.6	18269.5	15979.8	9606.4
62.5°	932.6	952.7	1017.2	1441.8	2752.0	7733.2	15569.9	17546.6	16091.3	9329.6
65°	771.3	772.7	780.7	990.3	1318.2	3235.7	11721.4	15168.1	15815.8	8836.4
67.5°	661.1	673.2	704.1	786.1	929.9	1419.0	6748.3	11749.7	14140.2	7688.9
70°	521.4	537.5	576.5	646.3	717.6	888.2	2494.0	7817.9	10802.3	5795.5
72.5°	439.4	438.1	458.2	525.4	569.7	624.8	959.4	4380.6	6278.0	2766.8
75°	340.0	353.4	378.9	439.4	466.3	452.8	520.0	1600.4	2249.4	838.5
77.5°	266.1	276.8	299.7	358.8	385.7	321.2	299.7	572.4	722.9	301.0
80°	119.6	129.0	204.2	264.7	314.4	221.7	162.6	292.9	321.2	137.1
82.5°	21.5	36.3	119.6	139.7	161.2	143.8	84.7	151.8	157.2	55.1
85°	1.3	2.7	41.7	51.1	64.5	47.0	25.5	60.5	52.4	18.8
87.5°	0.0	0.0	0.0	1.3	1.3	6.7	8.1	10.7	8.1	6.7
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°
5251.3	0°	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3	5251.3
5263.4	2.5°	5166.7	4975.9	4790.4	4638.6	4549.9	4399.4	4300.0	4283.8	4242.2	4278.5
5276.9	5°	5067.2	4725.9	4380.6	4071.5	3817.6	3489.7	3245.1	3141.7	3051.6	3082.5
5311.8	7.5°	5020.2	4481.4	3943.9	3415.8	2872.9	2348.9	1959.2	1796.6	1673.0	1690.4
5350.8	10°	4957.1	4227.4	3384.9	2578.6	1851.7	1334.3	1065.6	966.1	911.1	912.4
5408.6	12.5°	4908.7	3923.7	2735.9	1748.2	1127.4	851.9	768.6	744.4	728.3	729.7
5495.9	15°	4884.5	3566.3	2094.9	1165.0	806.2	721.6	701.4	690.7	679.9	678.6
5592.6	17.5°	4844.2	3168.5	1533.2	850.6	705.5	675.9	658.4	646.3	632.9	630.2
5676.0	20°	4783.7	2717.0	1120.7	718.9	661.1	638.3	614.1	598.0	581.8	579.2
5728.4	22.5°	4672.2	2240.0	861.3	665.2	628.9	603.3	573.8	555.0	538.8	536.2
5702.8	25°	4465.2	1792.5	725.6	631.6	600.7	569.7	537.5	512.0	497.2	494.5
5647.7	27.5°	4203.2	1408.2	658.4	600.7	564.4	536.2	499.9	475.7	462.2	459.6
5575.2	30°	3894.2	1084.4	619.5	565.7	521.4	497.2	464.9	444.8	436.7	436.7
5524.1	32.5°	3560.9	866.7	603.3	530.8	483.7	456.9	431.3	423.3	420.6	419.2
5552.3	35°	3247.8	752.5	595.3	502.6	450.2	424.6	413.9	415.2	420.6	420.6
5639.7	37.5°	2969.7	716.2	591.2	482.4	420.6	397.7	404.5	416.6	411.2	411.2
5792.9	40°	2718.4	720.2	588.6	467.6	396.4	383.0	396.4	387.0	373.6	372.2
5979.6	42.5°	2526.2	753.8	583.2	455.5	381.6	372.2	366.8	352.1	350.7	353.4
6173.1	45°	2386.5	783.4	581.8	450.2	365.5	348.0	341.3	326.5	353.4	360.1
6252.4	47.5°	2221.2	783.4	581.8	431.3	338.6	331.9	321.2	305.0	331.9	338.6
6177.2	50°	2007.5	733.7	559.0	409.8	317.1	313.1	294.3	274.1	268.7	272.8
6001.1	52.5°	1737.5	643.7	501.2	380.3	295.6	287.6	264.7	249.9	245.9	245.9
5685.4	55°	1429.7	538.8	423.3	337.3	272.8	258.0	241.9	235.2	231.1	228.4
5243.3	57.5°	1162.3	442.1	340.0	299.7	251.3	232.5	227.1	219.0	212.3	208.3
4873.7	60°	954.1	348.0	280.8	266.1	229.8	212.3	211.0	200.2	182.7	180.1
4568.7	62.5°	736.4	255.3	236.5	231.1	208.3	193.5	190.8	169.3	142.4	137.1
4136.0	65°	520.0	198.9	190.8	202.9	185.4	172.0	165.3	133.0	104.8	100.8
3461.5	67.5°	365.5	166.6	150.5	177.4	161.2	143.8	139.7	112.9	87.3	84.7
2617.6	70°	260.7	135.7	123.6	151.8	129.0	126.3	118.2	94.1	71.2	68.5
1295.4	72.5°	184.1	103.5	95.4	131.7	88.7	108.8	96.7	72.6	53.7	51.1
440.7	75°	135.7	73.9	67.2	76.6	64.5	82.0	68.5	48.4	33.6	32.2
198.9	77.5°	99.4	47.0	40.3	37.6	37.6	51.1	37.6	20.2	14.8	13.4
100.8	80°	69.9	21.5	18.8	16.1	14.8	12.1	5.4	2.7	1.3	1.3
34.9	82.5°	41.7	9.4	9.4	6.7	4.0	0.0	0.0	0.0	0.0	0.0
13.4	85°	9.4	4.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
5.4	87.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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