

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: P956928

Luminaire Tested: **GLAN-SB9B-940-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956928
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-SB9B-940-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 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: 31689 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

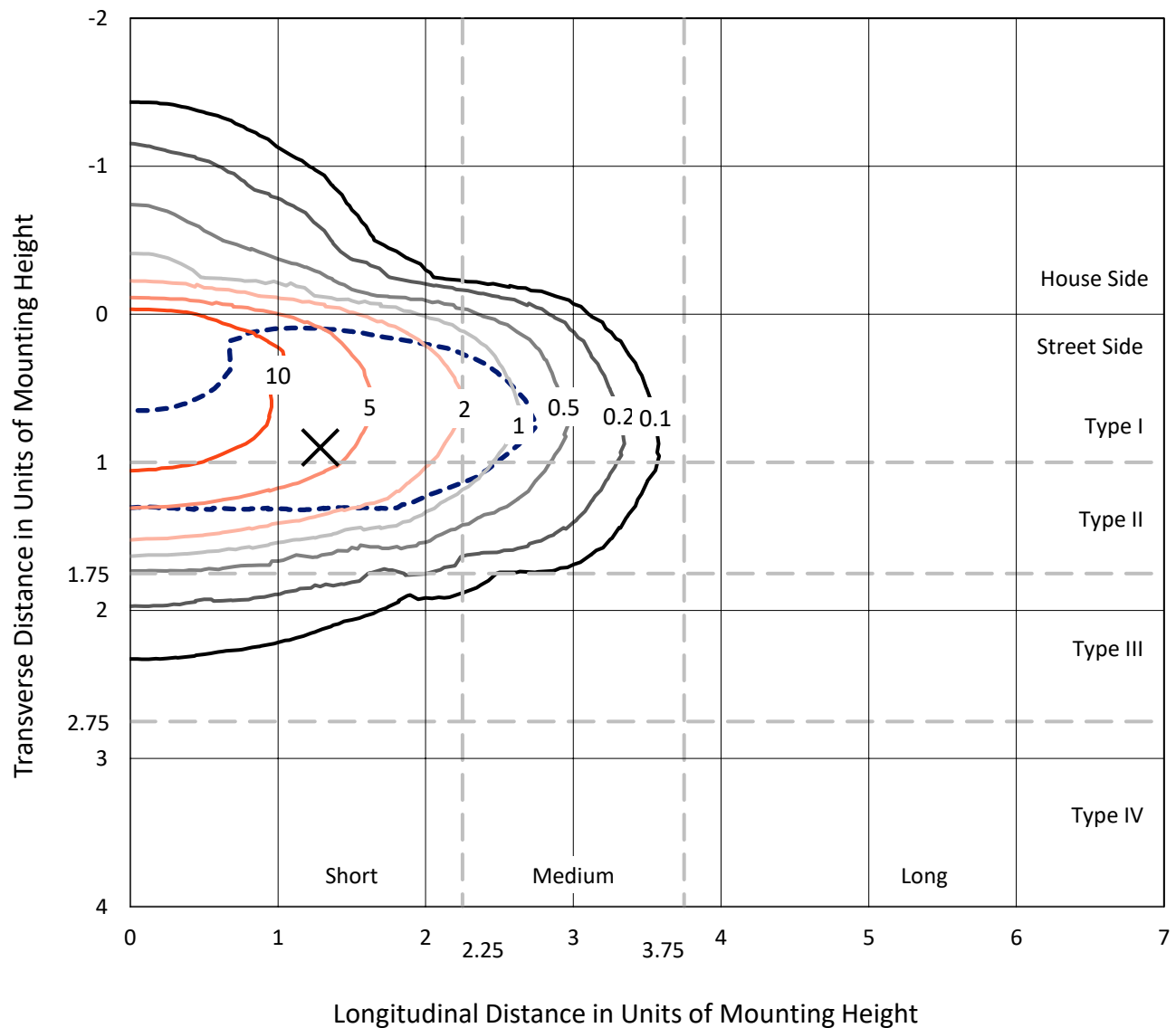
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

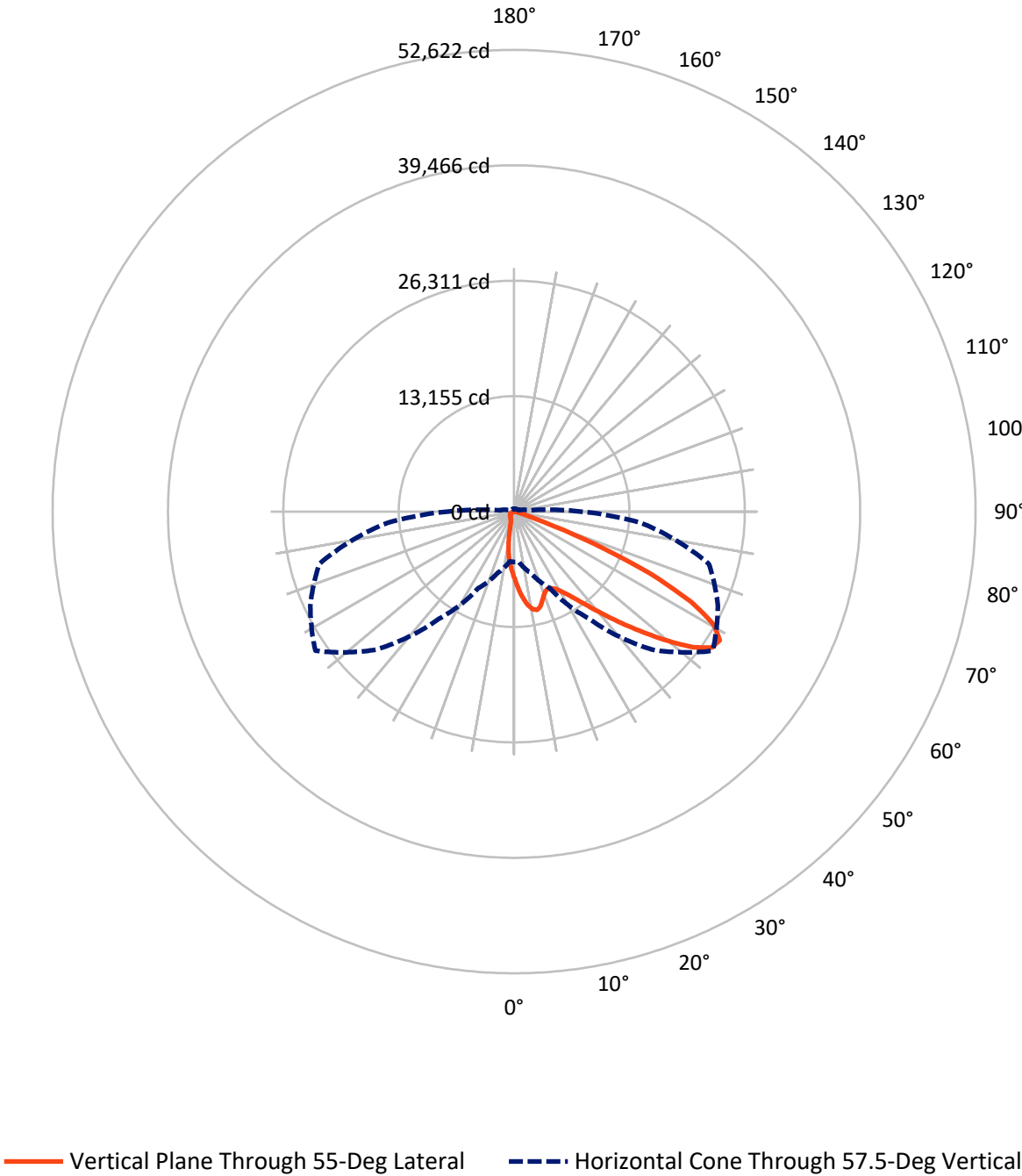
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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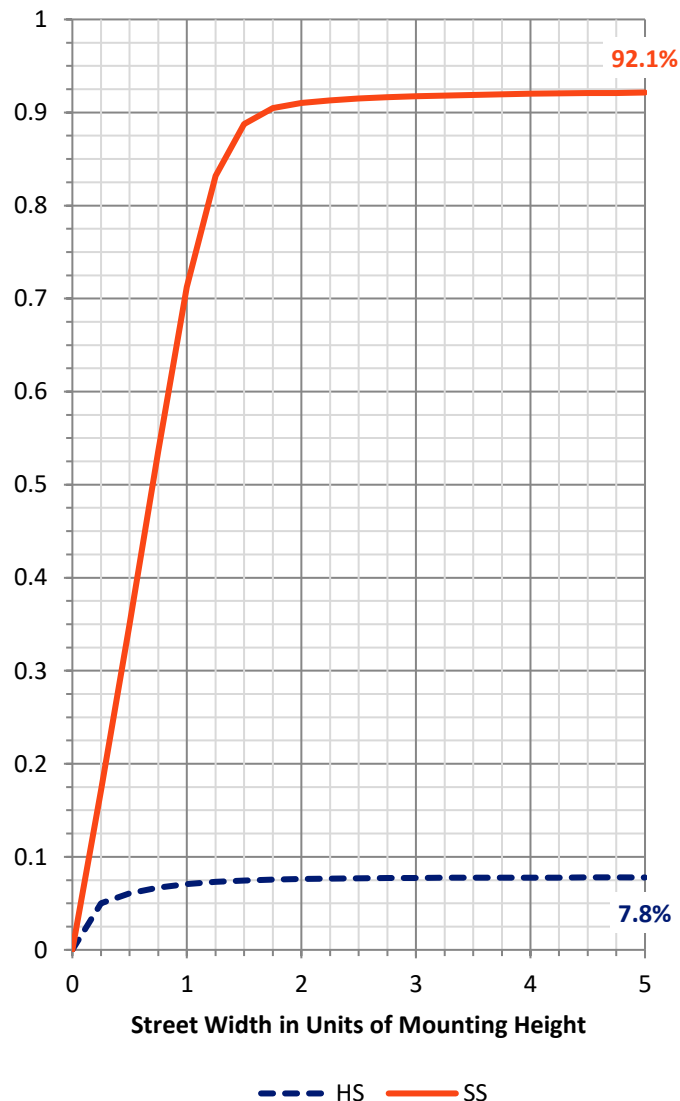
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2474.8	0.0	2474.8
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	29214.2	0.0	29214.2
	% Fixture	92.2	0.0	92.2
Total	Lumens	31689.0	0.0	31689.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.5	2.2
10°-20°	1716.2	5.4
20°-30°	2746.0	8.7
30°-40°	4647.7	14.7
40°-50°	7630.6	24.1
50°-60°	8386.5	26.5
60°-70°	4810.5	15.2
70°-80°	982.9	3.1
80°-90°	58.0	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°	31689.0	100.0
0°-180°	31689.0	100.0

Coefficient of Utilization



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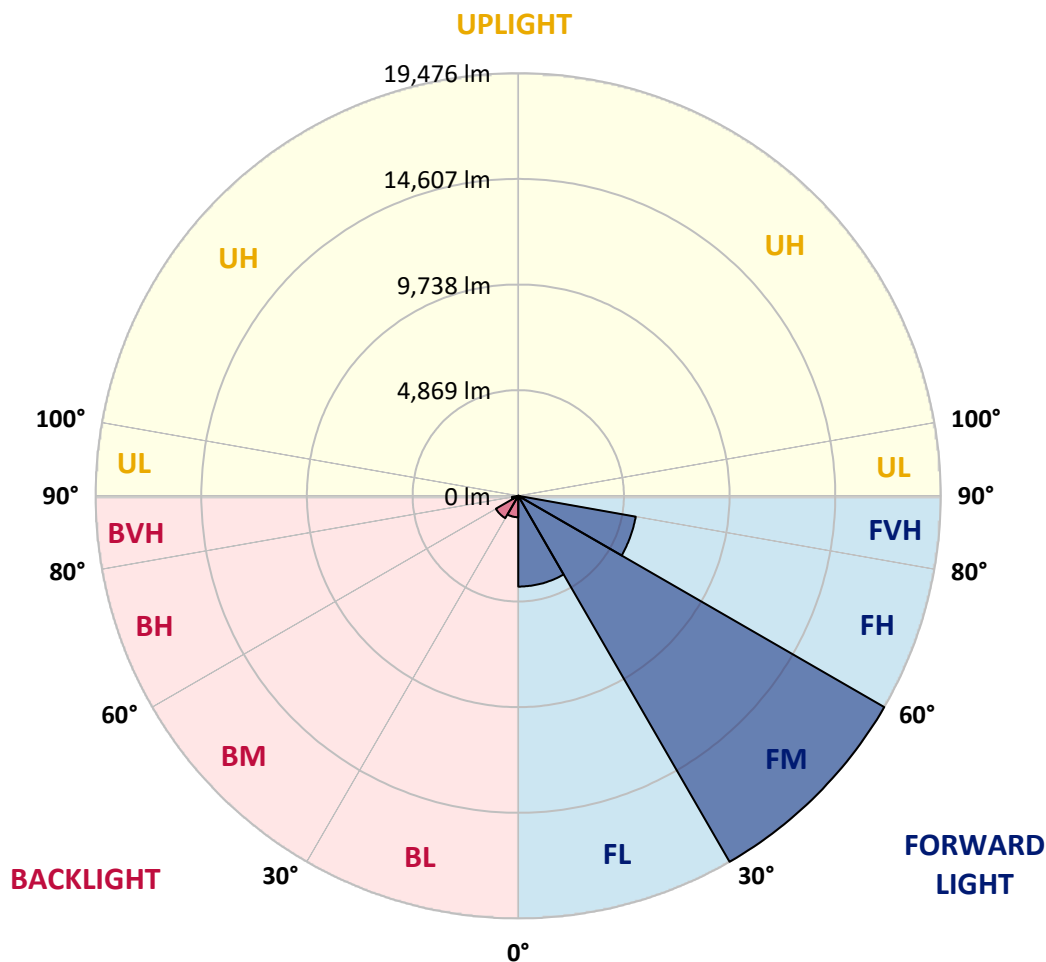
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4184.7	13.2			
FM	(30°-60°)	19476.3	61.5			
FH	(60°-80°)	5499.1	17.4			G3/7500
FVH	(80°-90°)	54.1	0.2			G1/100
BL	(0°-30°)	988.0	3.1	B2/1000		
BM	(30°-60°)	1188.5	3.8	B2/2500		
BH	(60°-80°)	294.3	0.9	B1/500		G1/500
BVH	(80°-90°)	3.9	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3
2.5°	9475.0	9355.8	9338.2	9314.8	9088.1	8918.1	8671.9	8402.2	8099.4	7790.6
5°	10946.4	10852.6	10835.0	10725.6	10467.6	10178.4	9740.7	9187.8	8623.0	7958.7
7.5°	11231.6	11214.1	11294.2	11290.3	11255.1	11026.5	10657.2	9998.7	9150.6	8165.8
10°	9959.6	10004.5	10242.9	10452.0	11016.7	11345.0	11264.9	10721.6	9693.8	8402.2
12.5°	8800.9	8748.1	8918.1	9154.5	9811.1	10788.1	11516.9	11325.4	10315.2	8669.9
15°	8074.0	8052.5	8148.2	8257.6	8757.9	9742.7	11223.8	11815.9	10913.1	8986.5
17.5°	7841.4	7823.9	7853.2	7880.5	8204.9	8966.9	10526.2	12116.8	11485.7	9348.0
20°	8031.0	8007.5	8003.6	7982.1	8117.0	8636.7	9895.1	12138.3	11999.6	9676.3
22.5°	8584.0	8556.6	8460.9	8374.9	8386.6	8681.7	9613.7	11923.4	12386.5	9983.0
25°	9586.4	9541.4	9342.1	9052.9	8869.2	8994.3	9656.7	11640.0	12755.8	10223.4
27.5°	10840.8	10782.2	10526.2	10096.4	9676.3	9523.8	9967.4	11444.6	13062.6	10407.1
30°	12069.9	11993.7	11741.6	11407.5	10793.9	10313.3	10528.2	11530.6	13428.0	10598.5
32.5°	13396.7	13324.4	12990.3	12576.0	12068.0	11421.2	11296.1	11950.7	13875.4	10866.2
35°	15075.2	14961.8	14487.0	13922.3	13383.0	12728.4	12335.7	12675.7	14471.4	11274.6
37.5°	16986.2	16833.8	16321.8	15542.2	14838.7	14106.0	13601.9	13672.2	15344.8	11821.8
40°	18787.8	18649.1	18176.2	17441.5	16558.3	15669.2	15131.8	14975.5	16550.5	12488.1
42.5°	19868.4	19743.3	19544.0	19233.3	18488.8	17582.2	16904.1	16566.1	17976.9	13285.3
45°	19928.9	19819.5	20087.2	20448.7	20302.2	19698.4	18871.8	18252.4	19409.2	14033.7
47.5°	18959.8	18885.5	19698.4	20960.7	21589.8	21843.9	21081.8	19798.0	20591.3	14571.0
50°	16317.9	16290.6	17963.2	20280.7	22080.3	23723.6	23412.9	21236.2	21507.8	14848.5
52.5°	14149.0	14049.3	15024.4	18103.9	21367.1	24712.4	25691.3	22647.0	22148.7	14901.3
55°	10731.4	10643.5	11866.7	14461.6	19067.2	24360.6	27358.1	24102.7	22607.9	14766.4
57.5°	5756.5	5701.8	7247.4	9625.4	14905.2	22250.3	27659.0	25642.5	22994.8	14408.9
60°	2241.2	2231.5	2809.9	4670.1	9058.8	18101.9	26140.7	26566.7	23237.1	13969.2
62.5°	1356.1	1385.4	1479.2	2096.7	4001.8	11245.3	22641.1	25515.5	23399.3	13566.7
65°	1121.6	1123.6	1135.3	1440.1	1916.9	4705.3	17044.8	22056.9	22998.7	12849.6
67.5°	961.4	979.0	1023.9	1143.1	1352.2	2063.4	9813.0	17085.9	20562.0	11180.8
70°	758.2	781.6	838.3	939.9	1043.4	1291.6	3626.6	11368.4	15708.3	8427.6
72.5°	639.0	637.0	666.3	764.0	828.5	908.6	1395.2	6370.1	9129.1	4023.3
75°	494.4	513.9	551.0	639.0	678.0	658.5	756.2	2327.2	3271.0	1219.3
77.5°	386.9	402.5	435.7	521.7	560.8	467.0	435.7	832.4	1051.3	437.7
80°	173.9	187.6	297.0	384.9	457.2	322.4	236.4	426.0	467.0	199.3
82.5°	31.3	52.8	173.9	203.2	234.5	209.1	123.1	220.8	228.6	80.1
85°	2.0	3.9	60.6	74.3	93.8	68.4	37.1	87.9	76.2	27.4
87.5°	0.0	0.0	0.0	2.0	2.0	9.8	11.7	15.6	11.7	9.8
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
7636.3	0°	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3	7636.3
7653.9	2.5°	7513.2	7235.7	6966.0	6745.2	6616.3	6397.4	6252.8	6229.4	6168.8	6221.6
7673.4	5°	7368.6	6872.3	6370.1	5920.6	5551.3	5074.6	4718.9	4568.5	4437.6	4482.5
7724.2	7.5°	7300.2	6516.6	5735.0	4967.1	4177.7	3415.6	2848.9	2612.5	2432.7	2458.1
7780.9	10°	7208.3	6147.3	4922.1	3749.7	2692.6	1940.3	1549.5	1404.9	1324.8	1326.8
7864.9	12.5°	7138.0	5705.7	3978.4	2542.2	1639.4	1238.8	1117.7	1082.5	1059.1	1061.0
7991.9	15°	7102.8	5185.9	3046.3	1694.1	1172.4	1049.3	1020.0	1004.4	988.7	986.8
8132.6	17.5°	7044.2	4607.6	2229.5	1236.9	1025.9	982.9	957.5	939.9	920.3	916.4
8253.7	20°	6956.3	3951.0	1629.6	1045.4	961.4	928.2	893.0	869.5	846.1	842.2
8329.9	22.5°	6794.1	3257.3	1252.5	967.2	914.5	877.4	834.4	807.0	783.6	779.6
8292.8	25°	6493.2	2606.6	1055.2	918.4	873.4	828.5	781.6	744.5	723.0	719.1
8212.7	27.5°	6112.1	2047.8	957.5	873.4	820.7	779.6	726.9	691.7	672.2	668.3
8107.2	30°	5662.7	1576.9	900.8	822.6	758.2	723.0	676.1	646.8	635.1	635.1
8032.9	32.5°	5178.1	1260.3	877.4	771.8	703.4	664.4	627.2	615.5	611.6	609.7
8074.0	35°	4722.8	1094.2	865.6	730.8	654.6	617.5	601.8	603.8	611.6	611.6
8201.0	37.5°	4318.4	1041.5	859.8	701.5	611.6	578.4	588.2	605.7	597.9	597.9
8423.7	40°	3953.0	1047.3	855.9	680.0	576.4	556.9	576.4	562.8	543.2	541.3
8695.3	42.5°	3673.5	1096.2	848.0	662.4	554.9	541.3	533.4	512.0	510.0	513.9
8976.7	45°	3470.3	1139.2	846.1	654.6	531.5	506.1	496.3	474.8	513.9	523.7
9092.0	47.5°	3230.0	1139.2	846.1	627.2	492.4	482.6	467.0	443.6	482.6	492.4
8982.6	50°	2919.3	1066.9	812.9	596.0	461.1	455.3	427.9	398.6	390.8	396.7
8726.6	52.5°	2526.5	936.0	728.8	553.0	429.9	418.2	384.9	363.4	357.6	357.6
8267.4	55°	2079.1	783.6	615.5	490.5	396.7	375.2	351.7	342.0	336.1	332.2
7624.5	57.5°	1690.2	642.9	494.4	435.7	365.4	338.0	330.2	318.5	308.7	302.9
7087.2	60°	1387.3	506.1	408.4	386.9	334.1	308.7	306.8	291.1	265.7	261.8
6643.6	62.5°	1070.8	371.3	343.9	336.1	302.9	281.4	277.5	246.2	207.1	199.3
6014.4	65°	756.2	289.2	277.5	295.1	269.7	250.1	240.3	193.4	152.4	146.6
5033.5	67.5°	531.5	242.3	218.8	257.9	234.5	209.1	203.2	164.1	127.0	123.1
3806.4	70°	379.1	197.4	179.8	220.8	187.6	183.7	172.0	136.8	103.6	99.7
1883.7	72.5°	267.7	150.5	138.7	191.5	129.0	158.3	140.7	105.5	78.2	74.3
640.9	75°	197.4	107.5	97.7	111.4	93.8	119.2	99.7	70.3	48.9	46.9
289.2	77.5°	144.6	68.4	58.6	54.7	54.7	74.3	54.7	29.3	21.5	19.5
146.6	80°	101.6	31.3	27.4	23.4	21.5	17.6	7.8	3.9	2.0	2.0
50.8	82.5°	60.6	13.7	13.7	9.8	5.9	0.0	0.0	0.0	0.0	0.0
19.5	85°	13.7	5.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
7.8	87.5°	2.0	2.0	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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