

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: P944406

Luminaire Tested: **GLAN-SB9B-830-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36144 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

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



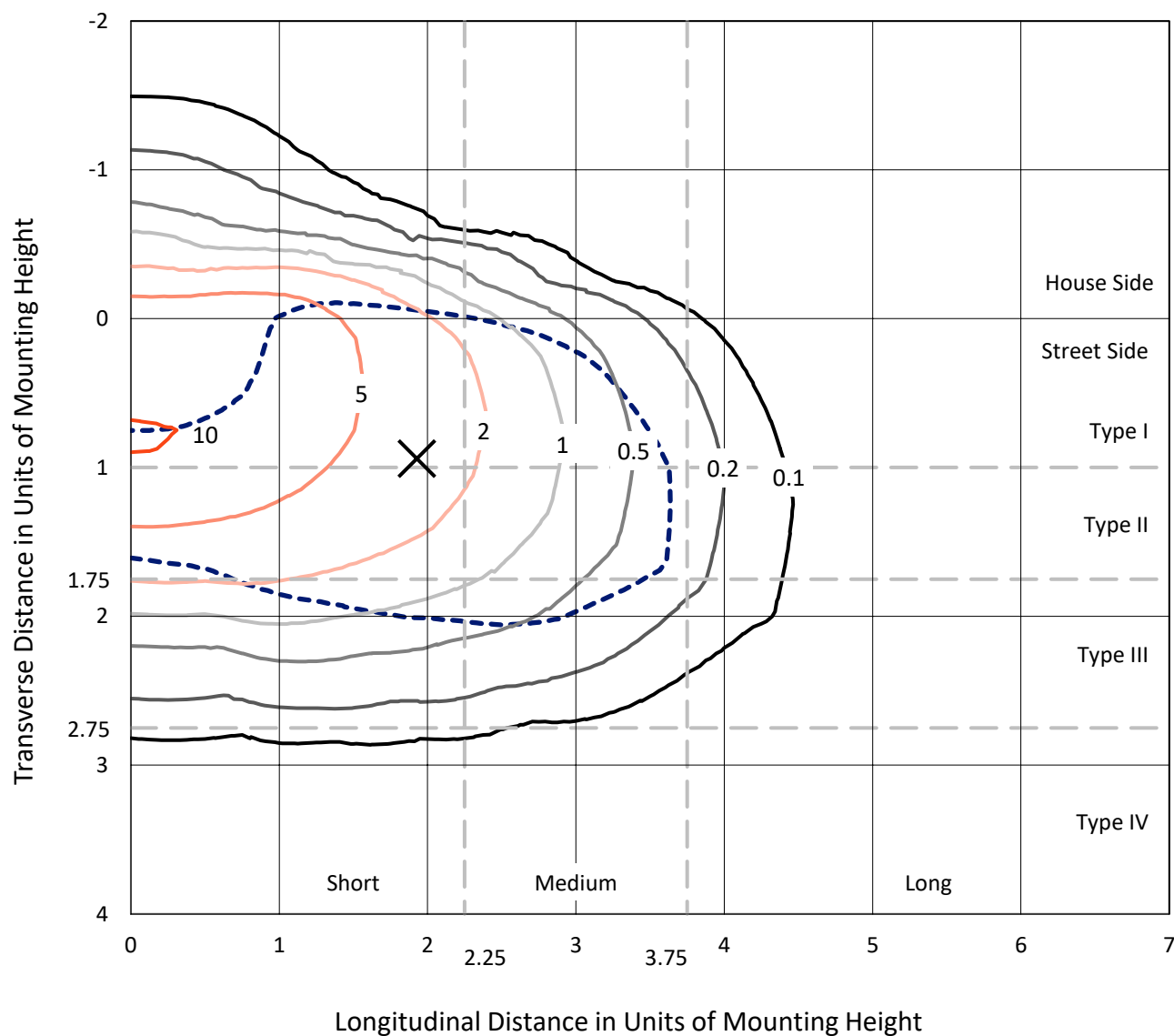
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

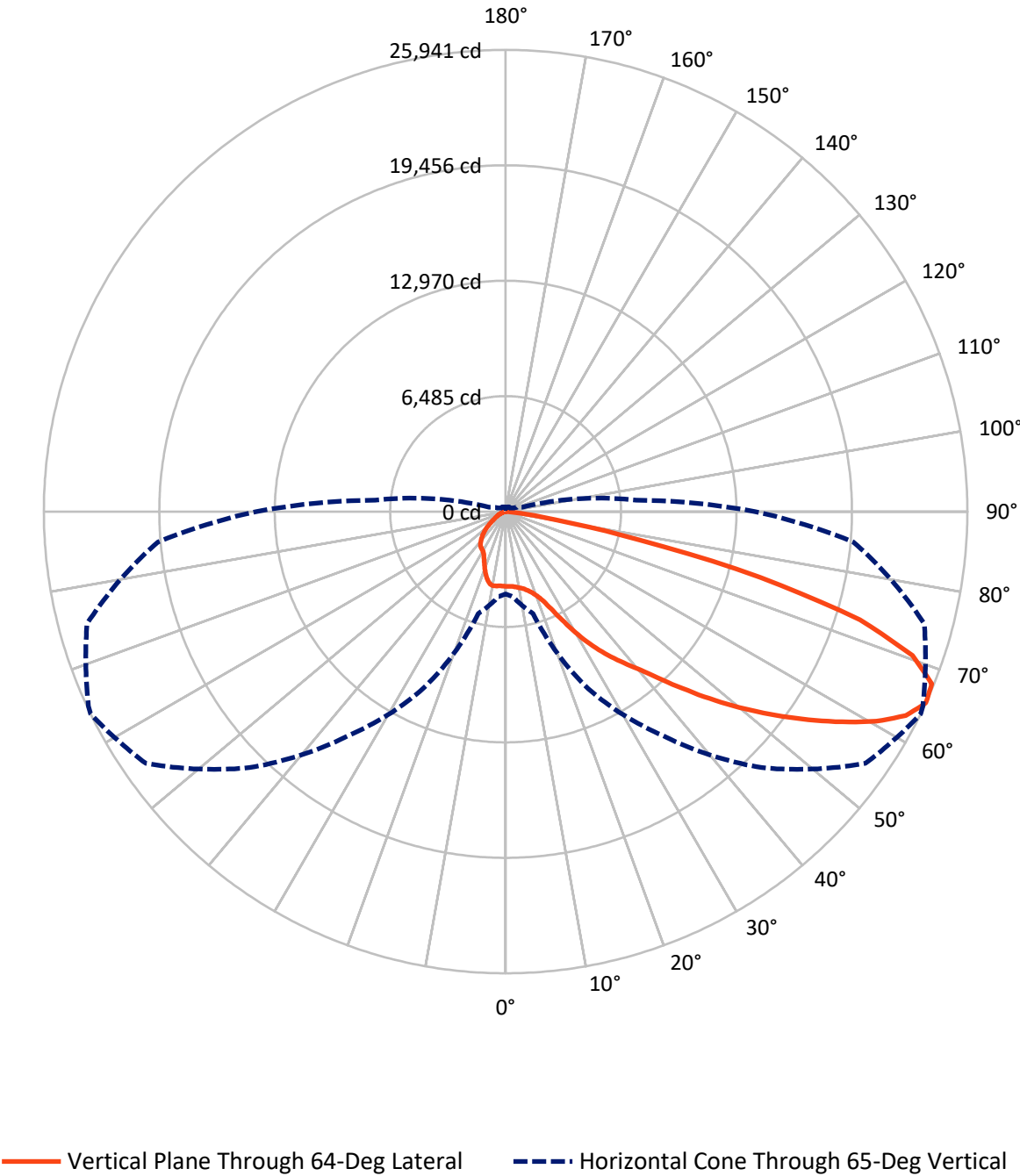


Based on 25 foot mounting height. Maximum calculated value = 10.6 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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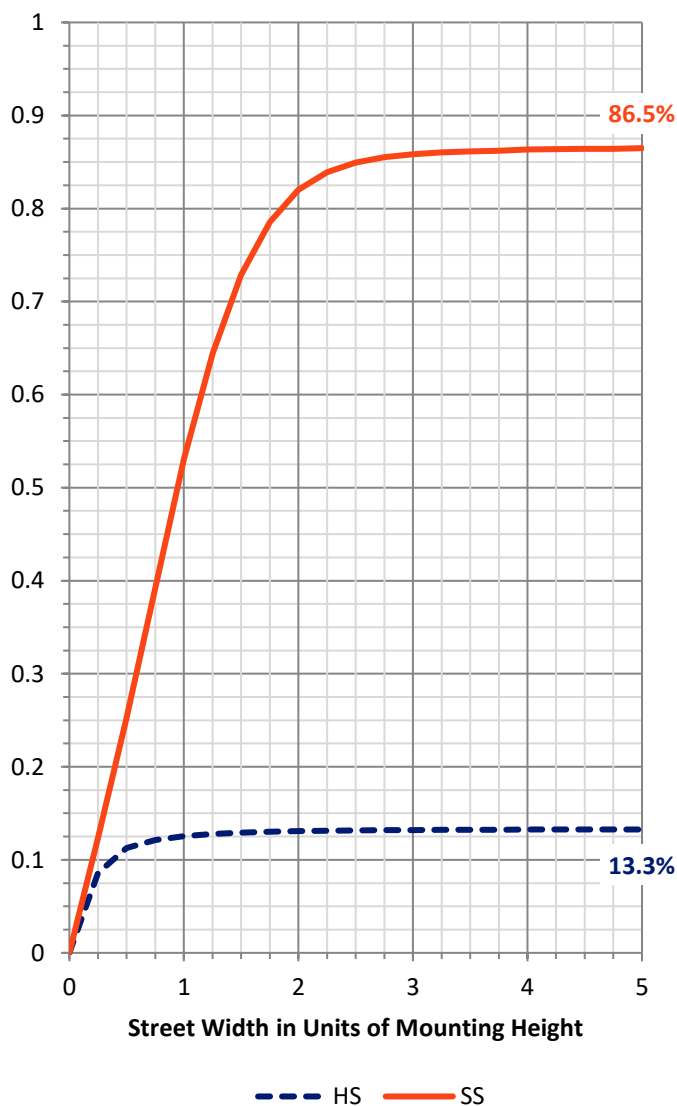
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4833.5	0.0	4833.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	31310.5	0.0	31310.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	36144.0	0.0	36144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.9	1.1
10°-20°	1052.0	2.9
20°-30°	1993.4	5.5
30°-40°	4033.7	11.2
40°-50°	6871.4	19.0
50°-60°	9344.6	25.9
60°-70°	8775.1	24.3
70°-80°	3515.7	9.7
80°-90°	170.3	0.5
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°	36144.0	100.0
0°-180°	36144.0	100.0

Coefficient of Utilization



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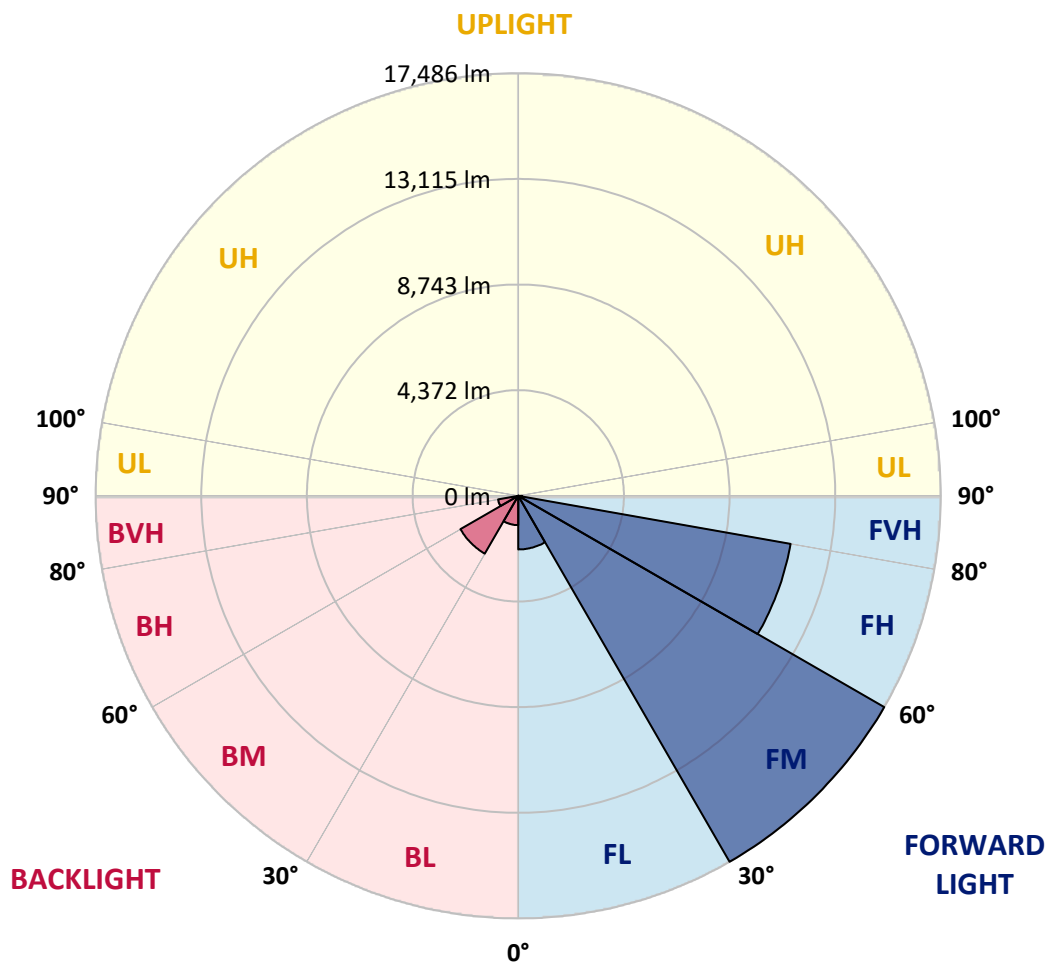
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2219.7	6.1			
FM	(30°-60°)	17486.4	48.4			
FH	(60°-80°)	11442.4	31.7			G4/12000
FVH	(80°-90°)	162.0	0.4			G2/225
BL	(0°-30°)	1213.6	3.4	B3/2500		
BM	(30°-60°)	2763.3	7.6	B3/5000		
BH	(60°-80°)	848.4	2.3	B2/1000		G2/1000
BVH	(80°-90°)	8.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9
2.5°	4189.4	4218.5	4211.2	4203.9	4201.5	4206.3	4208.8	4206.3	4206.3	4206.3
5°	4109.4	4133.7	4133.7	4150.6	4174.8	4203.9	4225.7	4230.6	4235.4	4242.7
7.5°	3956.8	3976.2	3990.7	4046.4	4107.0	4184.5	4250.0	4283.9	4288.7	4315.4
10°	3852.6	3876.8	3901.0	3959.2	4046.4	4162.7	4274.2	4356.6	4368.7	4431.7
12.5°	3847.7	3872.0	3903.5	3966.5	4068.2	4191.8	4327.5	4446.2	4468.0	4560.1
15°	3898.6	3927.7	3956.8	4034.3	4143.3	4293.6	4439.0	4586.8	4608.6	4739.4
17.5°	4002.8	4041.6	4063.4	4140.9	4257.2	4424.4	4615.8	4785.4	4804.8	4957.5
20°	4208.8	4254.8	4262.1	4325.1	4439.0	4618.3	4846.0	5056.8	5081.1	5255.5
22.5°	4635.2	4700.6	4642.5	4674.0	4775.8	4955.1	5202.2	5468.7	5502.7	5701.3
25°	5386.4	5478.4	5328.2	5274.9	5318.5	5505.1	5815.2	6152.0	6190.8	6350.7
27.5°	6862.0	6743.2	6515.5	6292.6	6161.7	6268.3	6617.2	7034.0	7082.5	7237.5
30°	8483.0	8378.8	8071.0	7576.8	7266.6	7249.6	7571.9	8037.1	8092.9	8240.7
32.5°	10106.4	10007.0	9672.7	9064.5	8526.6	8260.0	8483.0	8999.1	9028.1	9122.6
35°	11703.1	11601.4	11267.0	10644.3	9982.8	9377.0	9333.4	9915.0	9924.6	10024.0
37.5°	13309.6	13224.8	12868.6	12258.0	11606.2	10770.3	10365.6	10782.4	10794.5	10891.4
40°	14455.7	14492.0	14247.3	13774.8	13215.1	12301.6	11523.8	11705.6	11632.9	11795.2
42.5°	15439.4	15512.1	15298.9	15061.4	14736.7	13932.3	12958.3	12926.8	12810.5	12897.7
45°	16289.9	16350.5	16159.1	16103.3	16096.1	15531.5	14525.9	14337.0	14174.6	14157.6
47.5°	16602.5	16718.8	16801.2	16987.7	17351.2	17113.7	16146.9	15853.8	15672.0	15538.8
50°	16721.2	16844.8	17125.8	17668.6	18528.8	18630.5	17760.7	17431.1	17208.2	16965.9
52.5°	16561.3	16781.8	17159.8	18073.2	19321.1	19846.9	19309.0	19020.6	18766.2	18371.3
55°	15618.7	15839.2	16612.2	18068.4	19716.0	20699.8	20772.5	20644.0	20358.1	19735.4
57.5°	13631.9	13959.0	15182.6	17452.9	19708.8	21433.9	22206.9	22299.0	21979.1	21087.5
60°	10879.3	11322.7	12815.3	16088.8	19100.6	21831.3	23464.4	23924.8	23585.6	22420.1
62.5°	7591.3	8105.0	9517.6	13951.7	17709.8	21545.4	24382.8	25233.2	24976.4	23612.2
65°	4630.4	4795.1	5934.0	10978.7	15344.9	20348.4	24666.2	25940.7	25855.9	24341.6
67.5°	3084.5	3222.6	3549.7	7528.3	11911.5	17956.9	23987.8	25817.2	25841.4	24222.8
70°	1858.4	1977.2	2190.4	4378.4	7719.7	14213.4	21887.1	24242.2	24382.8	22635.8
72.5°	765.7	845.6	1039.5	1984.4	3998.0	9020.9	17428.7	20813.7	21140.8	19032.7
75°	433.7	474.9	610.6	995.9	1734.9	4203.9	10557.1	14775.5	15257.7	13118.2
77.5°	288.3	307.7	395.0	644.5	976.5	1434.4	4511.6	7697.9	8618.6	7164.8
80°	193.8	210.8	271.4	431.3	634.8	615.4	1436.8	2851.9	3508.5	2461.8
82.5°	130.8	133.3	193.8	283.5	402.2	298.0	424.0	886.8	1114.6	712.4
85°	75.1	72.7	143.0	164.8	179.3	123.6	128.4	266.5	348.9	300.5
87.5°	9.7	14.5	55.7	43.6	24.2	26.7	26.7	46.0	67.8	72.7
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4203.9	0°	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9	4203.9
4208.8	2.5°	4208.8	4206.3	4199.1	4191.8	4174.8	4165.2	4170.0	4165.2	4162.7	4165.2
4240.3	5°	4240.3	4233.0	4213.6	4189.4	4155.5	4114.3	4087.6	4048.8	4012.5	3990.7
4325.1	7.5°	4325.1	4317.8	4291.2	4223.3	4114.3	3942.2	3784.7	3646.6	3542.4	3481.9
4460.8	10°	4460.8	4448.6	4407.5	4257.2	3971.3	3595.7	3283.2	3023.9	2854.3	2774.3
4620.7	12.5°	4620.7	4606.1	4533.5	4225.7	3699.9	3113.6	2682.3	2393.9	2236.4	2166.2
4804.8	15°	4809.7	4790.3	4647.3	4075.5	3305.0	2580.5	2185.6	1969.9	1868.1	1805.1
5039.9	17.5°	5044.7	5010.8	4732.1	3850.2	2876.1	2173.4	1880.3	1717.9	1628.3	1567.7
5347.6	20°	5350.0	5294.3	4800.0	3581.2	2481.2	1916.6	1674.3	1538.6	1470.8	1417.5
5783.7	22.5°	5776.5	5696.5	4882.4	3290.4	2202.5	1739.7	1521.7	1422.3	1366.6	1306.0
6391.9	25°	6304.7	6210.2	4984.1	3021.5	2011.1	1587.1	1410.2	1327.8	1262.4	1192.1
7189.1	27.5°	7043.7	6874.1	5105.3	2801.0	1846.3	1456.2	1308.4	1216.4	1141.2	1083.1
8092.9	30°	7867.5	7588.9	5211.9	2667.7	1696.1	1335.1	1175.2	1083.1	1012.8	971.6
8904.6	32.5°	8647.7	8269.7	5282.2	2609.6	1560.4	1197.0	1029.8	930.4	877.1	865.0
9699.3	35°	9384.3	8885.2	5274.9	2553.9	1439.3	1058.9	886.8	785.1	743.9	751.1
10554.6	37.5°	10232.4	9541.8	5224.0	2466.6	1339.9	932.9	763.2	673.6	637.3	639.7
11594.1	40°	11218.5	10300.2	5192.5	2301.9	1230.9	816.6	661.5	588.8	562.1	552.4
12689.3	42.5°	12270.1	11034.4	5197.4	2115.3	1095.2	712.4	591.2	530.6	506.4	499.1
13908.1	45°	13326.6	11734.6	5204.6	1921.4	952.2	632.4	540.3	489.4	474.9	465.2
15143.8	47.5°	14320.0	12330.7	5068.9	1713.1	811.7	571.8	499.1	465.2	453.1	441.0
16384.4	50°	15245.6	12728.1	4741.8	1470.8	700.2	523.4	467.6	443.4	431.3	419.2
17508.7	52.5°	15965.2	12791.1	4201.5	1221.2	622.7	487.0	448.3	426.4	411.9	399.8
18417.3	55°	16285.1	12396.1	3433.4	988.6	562.1	455.5	428.9	407.1	390.1	378.0
19132.1	57.5°	16202.7	11565.0	2677.4	794.7	504.0	424.0	404.6	390.1	370.7	351.3
19711.2	60°	15798.0	10452.9	2018.4	661.5	450.7	390.1	378.0	365.9	339.2	310.1
19934.1	62.5°	15097.8	9054.8	1439.3	547.6	392.5	351.3	346.5	336.8	298.0	244.7
19604.6	65°	14026.8	7356.3	969.2	455.5	336.8	307.7	310.1	293.2	242.3	181.7
18397.9	67.5°	12461.5	5379.1	620.3	373.1	281.1	256.8	259.3	249.6	206.0	155.1
16110.6	70°	10467.4	3561.8	404.6	283.5	225.3	198.7	213.2	215.6	174.5	126.0
12364.6	72.5°	7673.7	2103.2	283.5	210.8	164.8	138.1	174.5	179.3	140.5	94.5
7438.6	75°	4373.5	998.3	213.2	152.6	101.8	96.9	135.7	135.7	96.9	63.0
3220.2	77.5°	1836.6	416.8	150.2	99.3	58.2	55.7	92.1	84.8	48.5	29.1
785.1	80°	530.6	186.6	80.0	48.5	24.2	21.8	36.3	26.7	12.1	4.8
298.0	82.5°	208.4	82.4	31.5	19.4	9.7	9.7	4.8	0.0	0.0	0.0
169.6	85°	123.6	33.9	14.5	7.3	2.4	0.0	0.0	0.0	0.0	0.0
36.3	87.5°	31.5	7.3	4.8	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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180°
4203.9
4174.8
3995.5
3484.3
2767.1
2158.9
1807.6
1562.8
1407.8
1296.3
1184.9
1071.0
964.4
872.3
751.1
649.4
550.0
496.7
465.2
441.0
419.2
397.4
375.6
348.9
305.3
239.9
176.9
147.8
121.2
89.7
58.2
29.1
4.8
0.0
0.0
0.0
0.0