

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: P951797

Luminaire Tested: **GLAN-SB5D-830-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-830-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46808 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 364.9
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

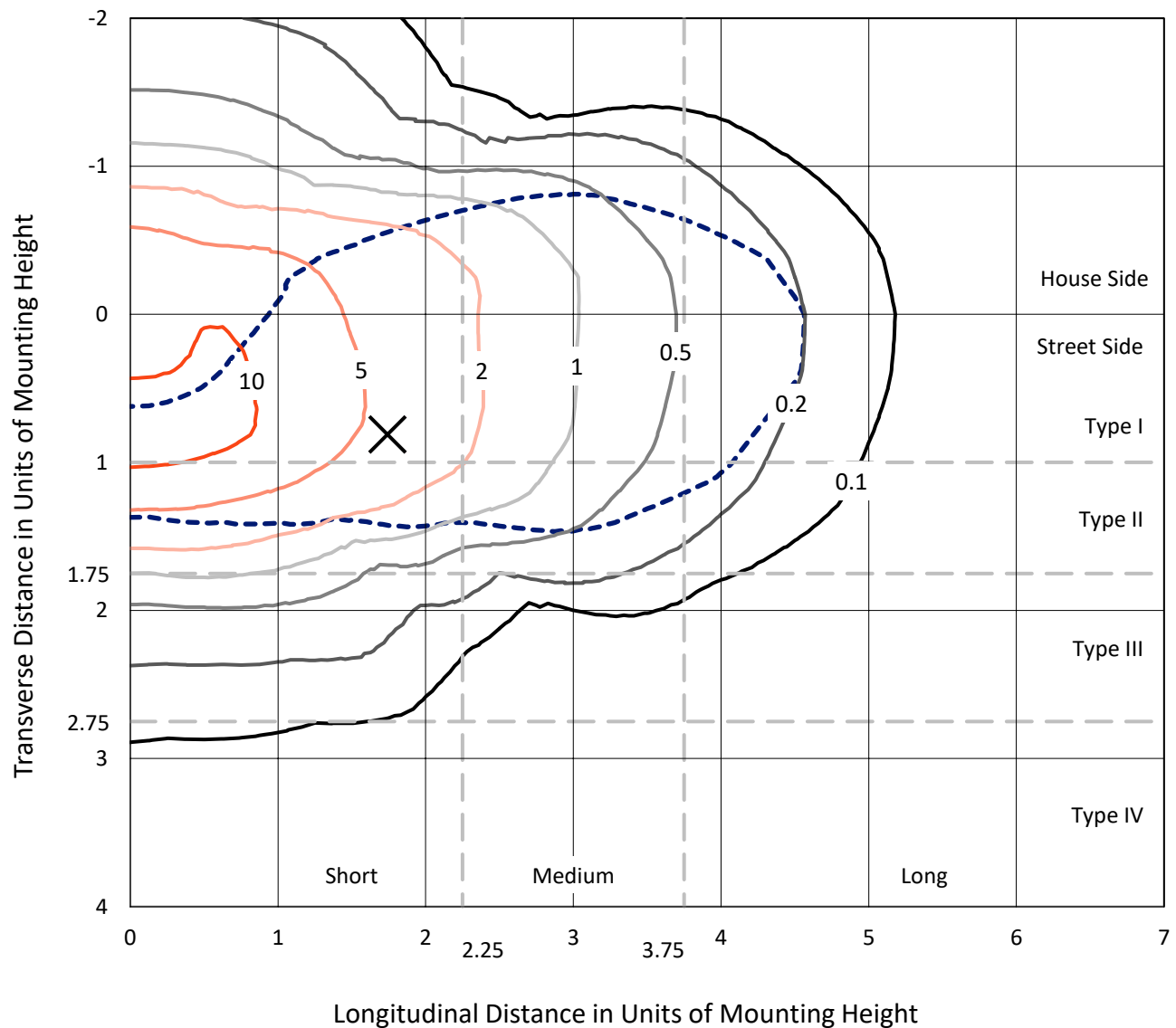


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Iso-Footcandle Lines of Horizontal Illumination

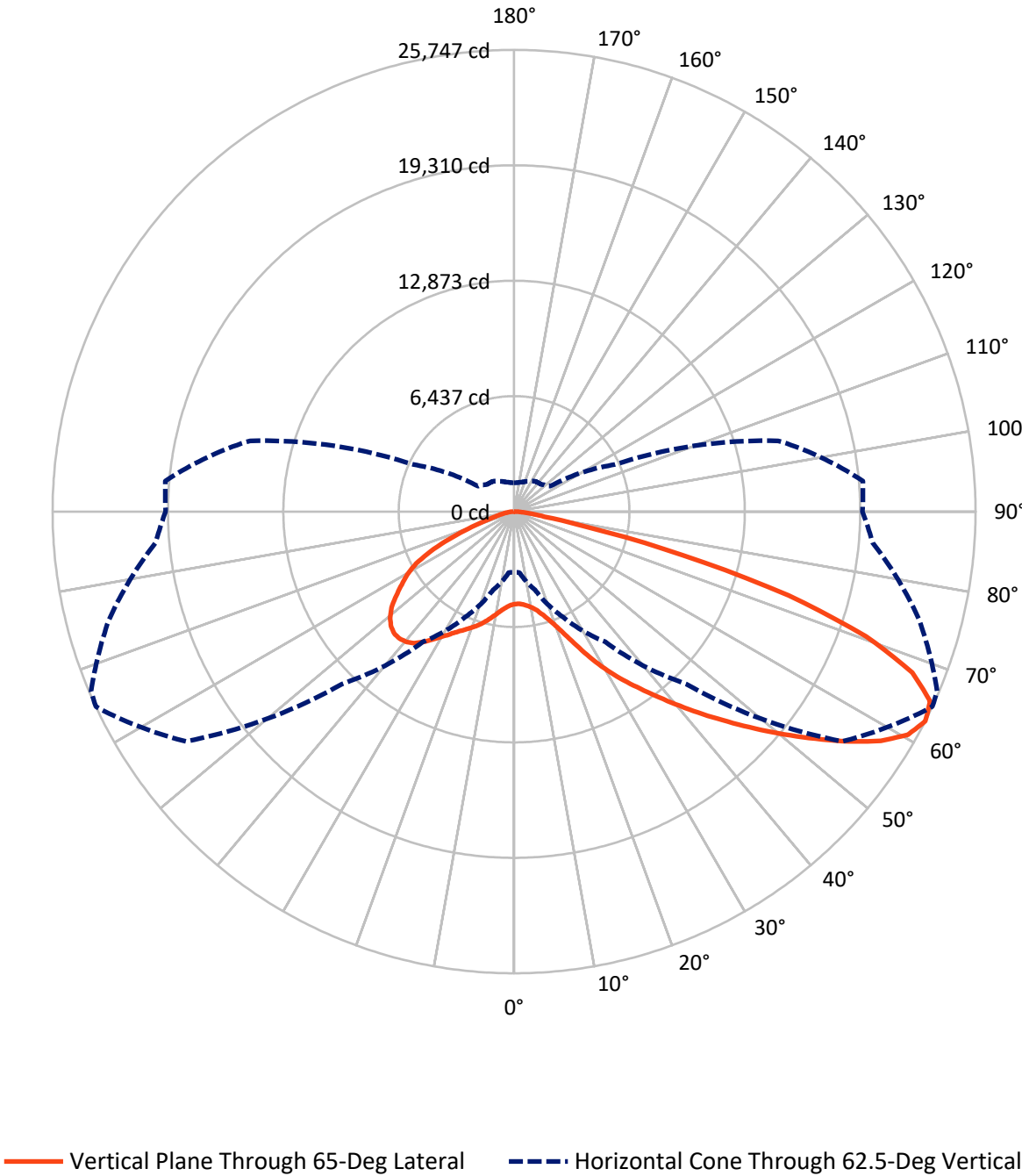
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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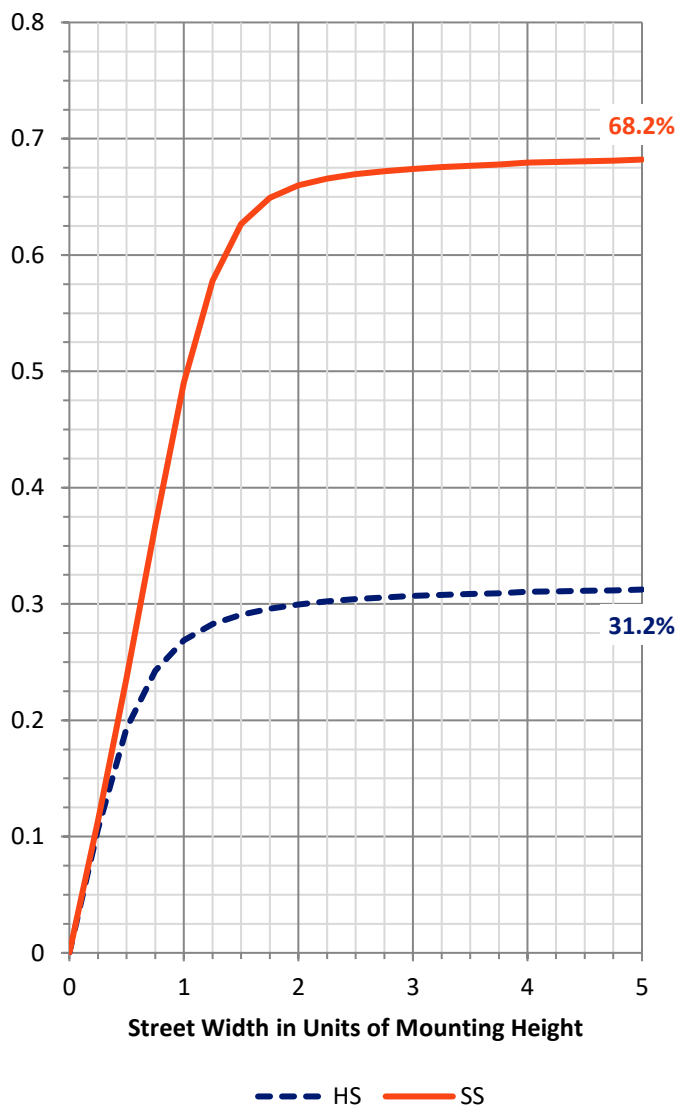
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14770.6	0.0	14770.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	32037.4	0.0	32037.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	46808.0	0.0	46808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.3	1.1
10°-20°	1743.9	3.7
20°-30°	3535.9	7.6
30°-40°	6118.8	13.1
40°-50°	9259.6	19.8
50°-60°	10856.3	23.2
60°-70°	9101.7	19.4
70°-80°	5024.9	10.7
80°-90°	652.7	1.4
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°	46808.0	100.0
0°-180°	46808.0	100.0

Coefficient of Utilization



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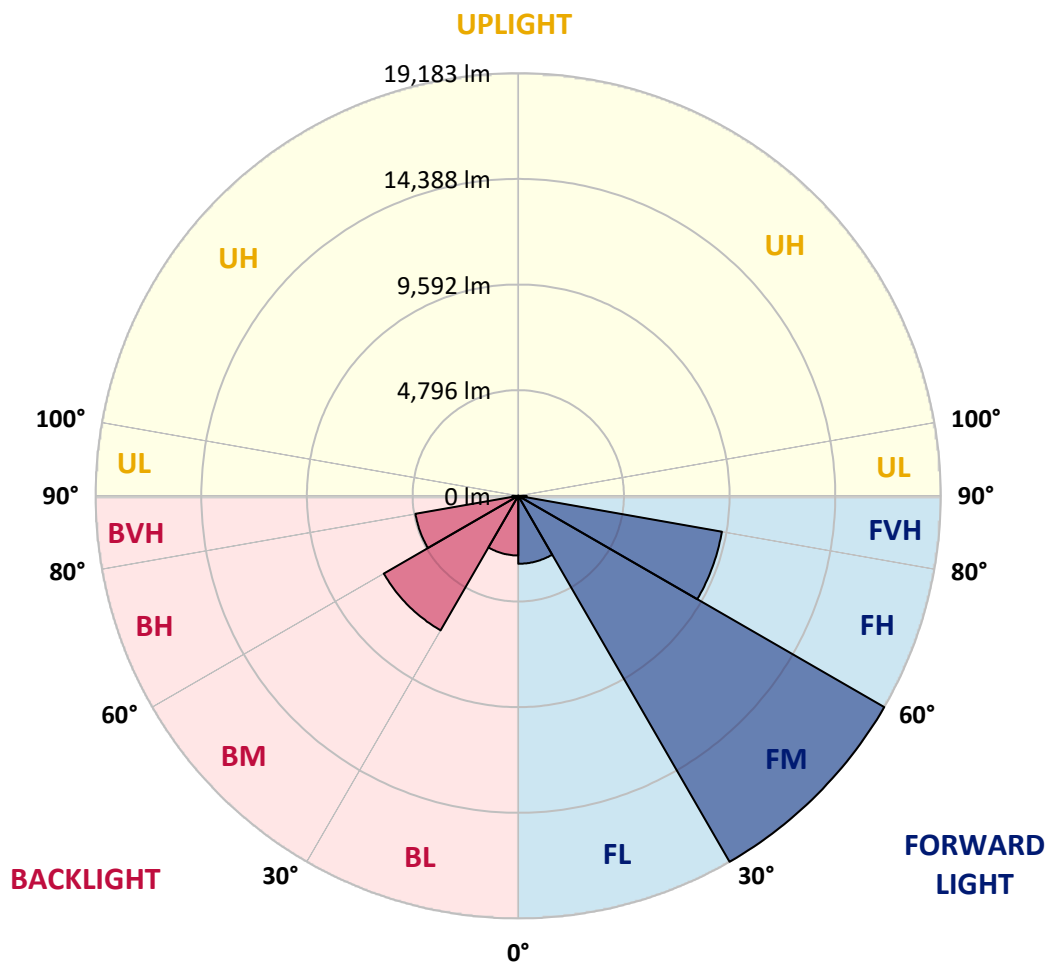
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3085.3	6.6			
FM	(30°-60°)	19183.4	41.0			
FH	(60°-80°)	9388.3	20.1			G4/12000
FVH	(80°-90°)	380.4	0.8			G3/500
BL	(0°-30°)	2708.7	5.8	B4/5000		
BM	(30°-60°)	7051.3	15.1	B4/8500		
BH	(60°-80°)	4738.3	10.1	B4/5000		G4/5000
BVH	(80°-90°)	272.3	0.6			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0
2.5°	5124.0	5109.5	5121.6	5121.6	5126.5	5124.0	5141.0	5145.9	5153.2	5167.8
5°	5073.0	5070.6	5092.5	5111.9	5131.3	5148.3	5170.2	5201.8	5206.6	5223.6
7.5°	5056.0	5041.5	5075.5	5099.8	5145.9	5187.2	5245.5	5298.9	5320.7	5328.0
10°	5187.2	5162.9	5194.5	5209.0	5247.9	5289.2	5357.2	5442.2	5466.5	5495.6
12.5°	5410.6	5383.9	5430.0	5451.9	5488.3	5524.7	5570.9	5653.4	5665.6	5719.0
15°	5716.6	5685.0	5714.2	5740.9	5801.6	5835.6	5881.7	5961.9	5961.9	6003.1
17.5°	6131.8	6090.6	6112.4	6122.1	6161.0	6212.0	6289.7	6360.1	6396.6	6382.0
20°	6751.1	6700.1	6700.1	6651.5	6637.0	6678.3	6780.2	6877.4	6916.2	6841.0
22.5°	7681.2	7608.3	7567.1	7401.9	7336.4	7341.2	7443.2	7562.2	7593.8	7460.2
25°	8863.9	8749.7	8693.9	8451.0	8302.9	8174.2	8254.3	8407.3	8451.0	8285.9
27.5°	10046.5	10053.8	10000.4	9709.0	9463.7	9228.1	9186.8	9347.1	9393.3	9206.3
30°	11705.2	11532.7	11430.7	11081.0	10731.3	10401.1	10231.1	10296.6	10308.8	10085.4
32.5°	13135.5	13091.8	12873.2	12567.3	12118.0	11600.7	11316.6	11212.2	11192.7	10874.6
35°	14765.0	14740.7	14510.0	14145.8	13660.1	12941.2	12428.8	12130.1	12105.8	11659.0
37.5°	16421.2	16421.2	16195.4	15797.1	15294.4	14395.9	13616.3	13142.8	13065.1	12482.3
40°	17742.3	17662.2	17703.4	17535.9	16960.3	16005.9	14935.0	14247.7	14143.3	13443.9
42.5°	18492.7	18466.0	18713.7	18900.7	18665.1	17902.6	16387.2	15445.0	15299.3	14502.7
45°	18660.2	18631.1	19073.1	19757.9	20088.2	19774.9	17965.7	16705.3	16528.1	15610.1
47.5°	18274.1	18215.8	18864.2	19944.9	21003.7	21555.0	19675.3	18072.6	17815.1	16688.3
50°	17113.3	17057.5	18038.6	19473.8	21312.1	22764.3	21530.7	19522.4	19128.9	17844.3
52.5°	14590.2	14616.9	16154.1	18126.0	20906.6	23517.2	23128.6	21049.8	20576.3	19026.9
55°	11365.2	11423.5	13312.8	15483.8	19284.4	23403.0	24219.0	22623.5	22152.4	20139.2
57.5°	8137.8	8395.2	10165.5	12314.7	16168.7	21593.8	24457.0	24119.4	23662.9	21353.4
60°	5274.6	5320.7	7142.1	9308.3	12312.3	18378.5	23973.7	25253.5	24896.5	22591.9
62.5°	3380.4	3412.0	4521.8	6510.7	8861.4	13596.9	22346.6	25746.5	25637.2	23410.3
65°	2484.3	2460.0	3038.0	4303.2	5969.1	8385.5	19187.2	25508.5	25724.6	23922.7
67.5°	2073.9	2039.9	2324.0	2979.7	4397.9	4762.2	14196.7	23961.6	24753.2	23864.4
70°	1889.3	1860.2	2032.6	2212.3	3431.4	3188.6	7156.7	20831.3	22050.4	23201.5
72.5°	1600.4	1549.4	1784.9	1964.6	2668.9	2445.5	2957.9	16001.1	17487.3	21076.6
75°	1240.9	1206.9	1408.5	1729.1	2005.9	1908.8	1869.9	9716.2	11338.5	16299.8
77.5°	983.5	937.4	1121.9	1347.8	1804.3	1440.1	1362.4	4184.2	5791.9	10405.9
80°	740.7	699.4	852.4	1066.1	1386.6	1085.5	881.5	1707.2	2183.2	5272.2
82.5°	527.0	490.5	595.0	782.0	932.5	973.8	541.5	956.8	1075.8	2032.6
85°	337.6	315.7	398.3	490.5	592.5	626.5	330.3	500.3	548.8	837.8
87.5°	184.6	150.6	213.7	228.3	274.4	250.1	157.8	182.1	196.7	303.6
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°
5158.0	0°	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0	5158.0
5167.8	2.5°	5177.5	5184.8	5209.0	5216.3	5233.3	5255.2	5269.7	5284.3	5284.3	5298.9
5245.5	5°	5247.9	5264.9	5315.9	5342.6	5386.3	5430.0	5456.7	5488.3	5507.7	5517.4
5369.3	7.5°	5383.9	5410.6	5483.5	5529.6	5604.9	5665.6	5706.9	5750.6	5760.3	5787.0
5541.7	10°	5568.4	5600.0	5682.6	5770.0	5859.9	5935.1	5974.0	6005.6	6017.7	6022.6
5762.7	12.5°	5779.7	5825.9	5932.7	6039.6	6134.3	6199.8	6209.6	6202.3	6168.3	6139.1
6034.7	15°	6039.6	6080.9	6199.8	6316.4	6408.7	6420.8	6360.1	6321.3	6280.0	6272.7
6338.3	17.5°	6350.4	6372.3	6481.5	6595.7	6603.0	6561.7	6471.8	6435.4	6396.6	6369.8
6734.1	20°	6712.2	6705.0	6782.7	6831.2	6780.2	6654.0	6518.0	6457.3	6418.4	6386.8
7219.8	22.5°	7144.5	7088.7	7078.9	7066.8	6930.8	6666.1	6481.5	6403.8	6343.1	6299.4
7897.3	25°	7773.5	7559.8	7411.6	7329.1	7023.1	6600.5	6365.0	6192.6	6078.4	6003.1
8725.4	27.5°	8560.3	8200.9	7826.9	7625.3	7023.1	6467.0	6083.3	5804.0	5617.0	5539.3
9526.8	30°	9310.7	8934.3	8383.0	7982.3	7006.1	6248.4	5629.2	5240.6	5022.0	4944.3
10211.7	32.5°	9951.8	9541.4	8973.1	8373.3	6964.8	5893.9	5065.8	4635.9	4424.6	4332.4
10889.2	35°	10546.8	10109.7	9565.7	8803.1	6855.5	5374.2	4446.5	4118.7	3883.1	3735.0
11578.9	37.5°	11156.3	10636.6	10126.7	9191.7	6658.8	4767.1	3970.5	3691.3	3414.4	3215.3
12312.3	40°	11819.3	11197.6	10726.5	9422.4	6335.8	4189.1	3601.4	3346.4	3052.6	2841.3
13157.4	42.5°	12594.0	11870.3	11394.3	9541.4	5893.9	3778.7	3361.0	3110.9	2834.0	2661.6
14063.2	45°	13402.6	12611.0	12003.9	9539.0	5400.9	3586.8	3283.3	3035.6	2729.6	2549.9
14993.3	47.5°	14250.2	13385.6	12530.8	9383.6	4973.5	3613.5	3239.6	2872.9	2535.3	2360.5
15933.1	50°	15100.1	14233.2	13040.8	9092.1	4791.3	3555.3	3076.9	2644.6	2246.3	2088.5
16814.6	52.5°	15942.8	15134.1	13480.4	8676.9	4606.8	3339.1	2868.0	2348.3	2127.3	2018.0
17725.3	55°	16790.3	16025.4	13958.8	8072.2	4145.4	3086.6	2518.3	2236.6	2032.6	1933.1
18616.5	57.5°	17640.3	17055.0	14412.9	7467.5	3565.0	2775.7	2326.5	2100.6	1937.9	1852.9
19362.1	60°	18524.3	18232.8	14881.6	6911.4	2991.9	2377.5	2185.6	1991.3	1826.2	1731.5
20078.5	62.5°	19434.9	19529.6	15248.3	6195.0	2464.9	2134.6	2059.3	1860.2	1699.9	1610.1
20671.0	65°	20352.9	20780.3	15488.7	5201.8	1998.6	1903.9	1923.3	1716.9	1554.2	1476.5
21105.7	67.5°	21045.0	21681.2	15420.7	3936.5	1639.2	1685.3	1753.3	1566.4	1413.4	1352.6
21035.3	70°	21122.7	21574.4	14750.4	2695.6	1372.1	1471.6	1563.9	1418.2	1260.4	1216.7
20044.5	72.5°	20088.2	20117.3	12883.0	1760.6	1160.8	1291.9	1364.8	1267.7	1114.7	1070.9
17535.9	75°	17375.6	16637.3	9458.8	1160.8	971.4	1109.8	1177.8	1109.8	961.7	971.4
13120.9	77.5°	13164.7	11782.9	5743.3	825.7	811.1	932.5	1024.8	976.2	850.0	954.4
6598.1	80°	6782.7	6374.7	2562.0	616.8	641.1	745.5	842.7	779.5	672.7	641.1
1474.1	82.5°	1554.2	1806.8	1010.2	442.0	463.8	536.7	643.5	585.3	483.3	408.0
614.4	85°	544.0	595.0	446.8	276.8	272.0	335.1	437.1	391.0	327.8	262.3
259.8	87.5°	172.4	225.8	167.6	111.7	116.6	150.6	201.6	184.6	153.0	99.6
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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180°
5158.0
5298.9
5522.3
5777.3
6010.4
6139.1
6272.7
6372.3
6389.3
6314.0
6032.3
5578.2
4990.5
4378.5
3783.5
3268.7
2882.6
2695.6
2579.0
2384.7
2098.2
2018.0
1923.3
1838.3
1724.2
1607.6
1474.1
1355.1
1219.1
1068.5
937.4
840.2
585.3
403.1
276.8
104.4
0.0