

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: P943886

Luminaire Tested: **GLAN-SB8C-827-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943886
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-SB8C-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 615mA 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: 41299 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 399.8
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



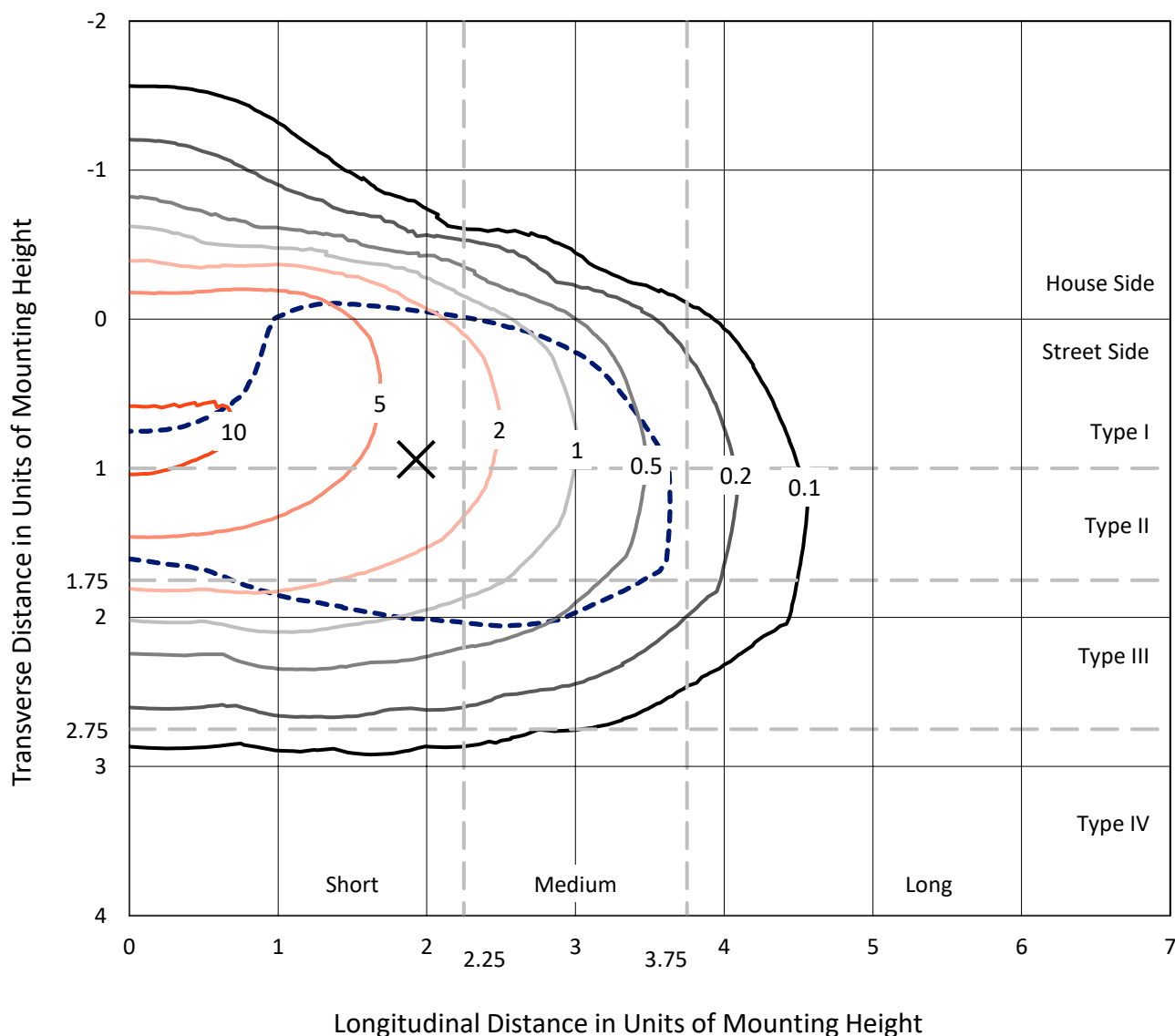
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

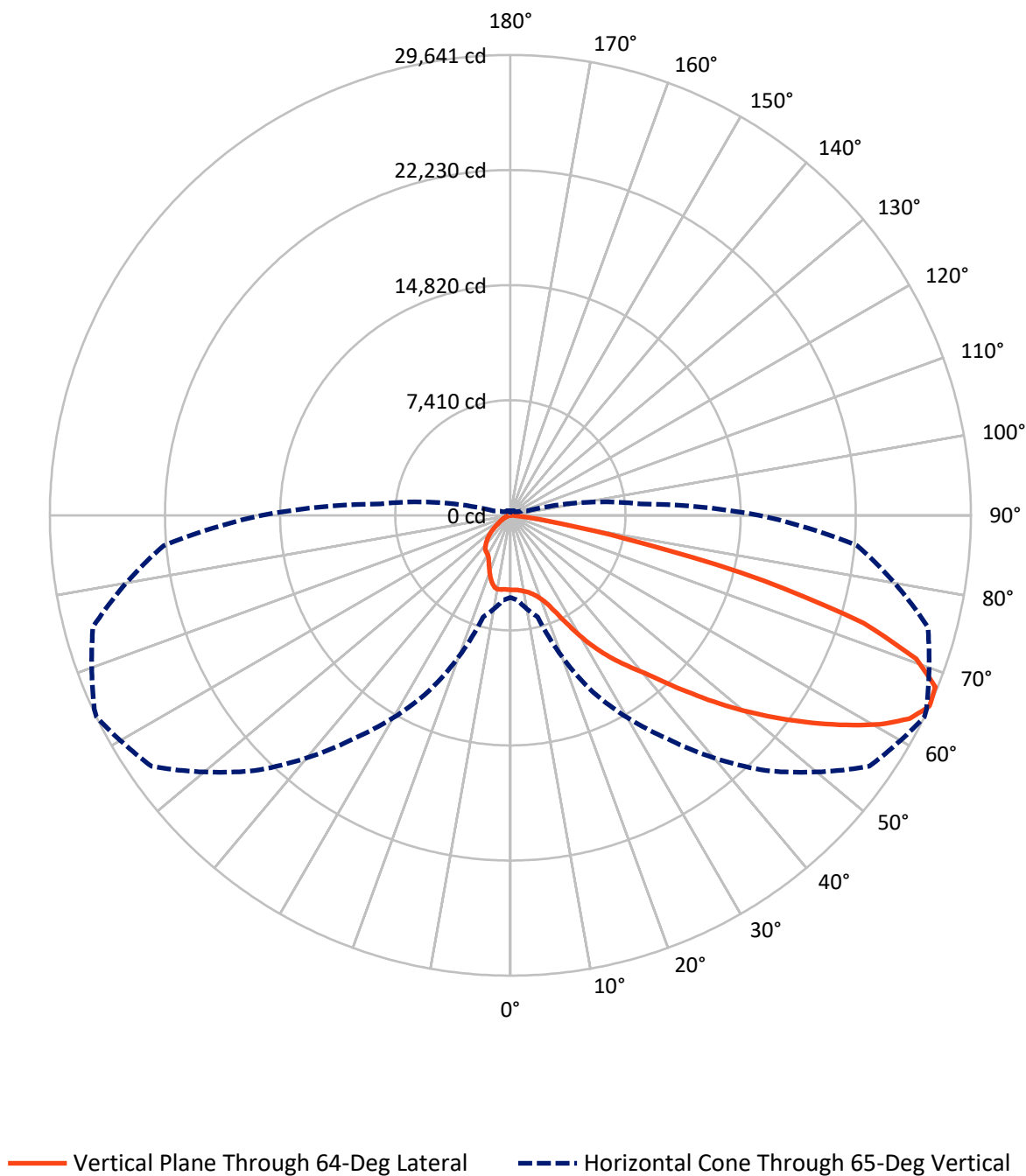


Based on 25 foot mounting height. Maximum calculated value = 12.1 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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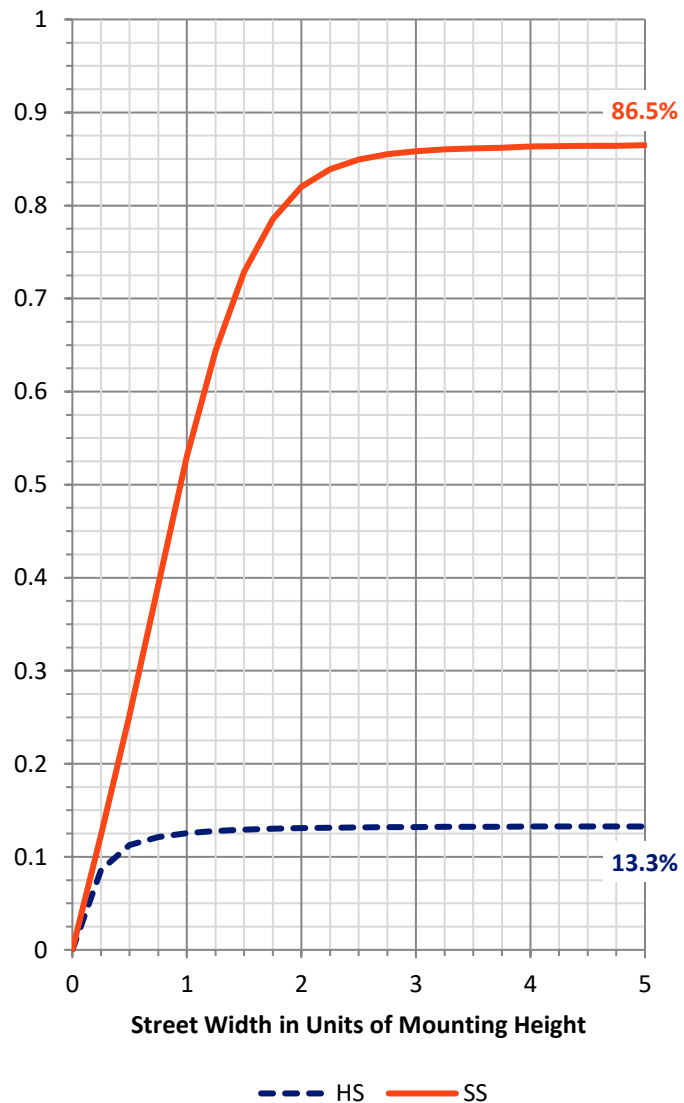
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5522.9	0.0	5522.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	35776.1	0.0	35776.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	41299.0	0.0	41299.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.2	1.1
10°-20°	1202.0	2.9
20°-30°	2277.7	5.5
30°-40°	4609.0	11.2
40°-50°	7851.5	19.0
50°-60°	10677.4	25.9
60°-70°	10026.6	24.3
70°-80°	4017.1	9.7
80°-90°	194.6	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°	41299.0	100.0
0°-180°	41299.0	100.0

Coefficient of Utilization



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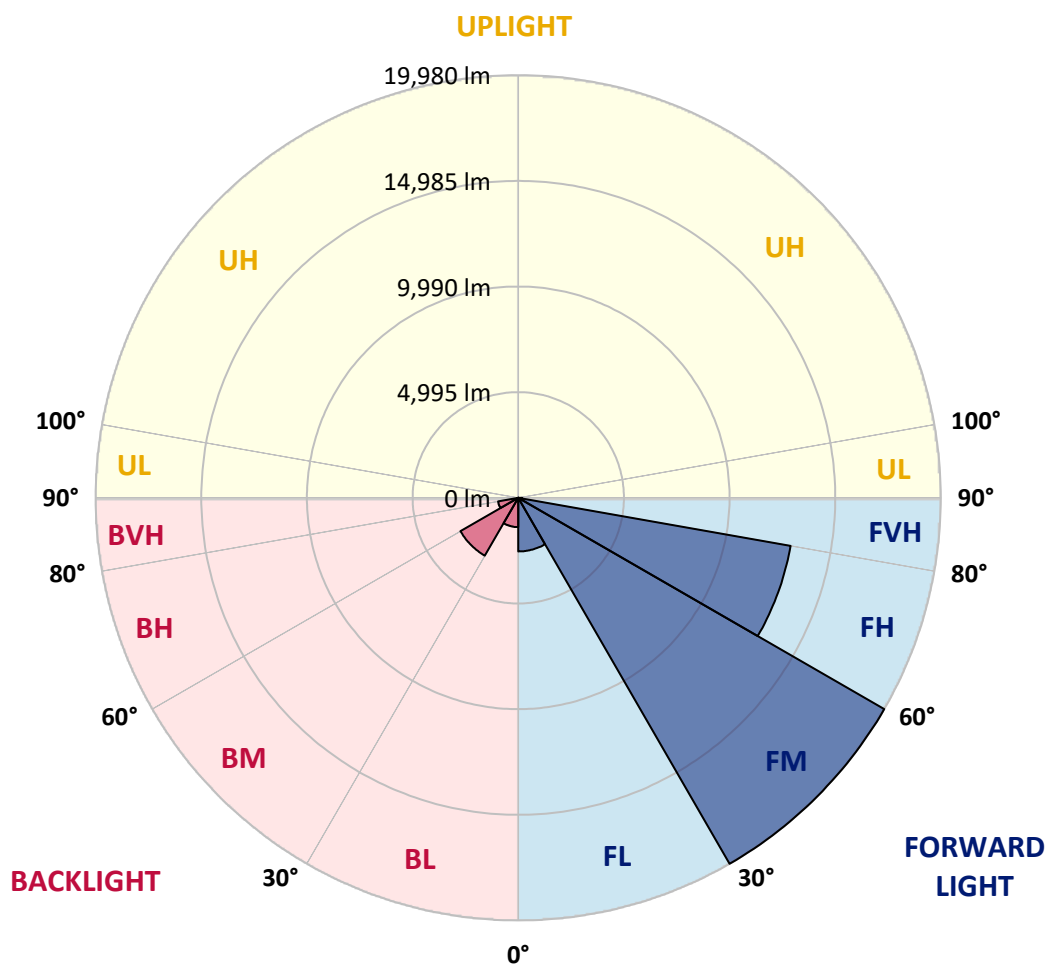
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2536.2	6.1			
FM	(30°-60°)	19980.4	48.4			
FH	(60°-80°)	13074.3	31.7			G5
FVH	(80°-90°)	185.1	0.4			G2/225
BL	(0°-30°)	1386.6	3.4	B3/2500		
BM	(30°-60°)	3157.4	7.6	B3/5000		
BH	(60°-80°)	969.4	2.3	B2/1000		G2/1000
BVH	(80°-90°)	9.5	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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5
2.5°	4786.9	4820.1	4811.8	4803.5	4800.7	4806.3	4809.0	4806.3	4806.3	4806.3
5°	4695.5	4723.2	4723.2	4742.6	4770.3	4803.5	4828.4	4834.0	4839.5	4847.8
7.5°	4521.1	4543.3	4559.9	4623.5	4692.8	4781.4	4856.1	4894.9	4900.4	4930.9
10°	4402.1	4429.7	4457.4	4523.9	4623.5	4756.4	4883.8	4977.9	4991.8	5063.7
12.5°	4396.5	4424.2	4460.2	4532.2	4648.5	4789.7	4944.7	5080.4	5105.3	5210.5
15°	4454.7	4487.9	4521.1	4609.7	4734.3	4905.9	5072.1	5240.9	5265.9	5415.4
17.5°	4573.7	4618.0	4642.9	4731.5	4864.4	5055.4	5274.2	5468.0	5490.1	5664.5
20°	4809.0	4861.6	4869.9	4941.9	5072.1	5276.9	5537.2	5778.0	5805.7	6005.1
22.5°	5296.3	5371.1	5304.6	5340.6	5456.9	5661.8	5944.2	6248.7	6287.5	6514.5
25°	6154.6	6259.8	6088.1	6027.2	6077.1	6290.2	6644.6	7029.4	7073.7	7256.5
27.5°	7840.6	7705.0	7444.7	7190.0	7040.5	7162.3	7561.0	8037.2	8092.6	8269.8
30°	9692.8	9573.8	9222.2	8657.4	8303.0	8283.6	8651.8	9183.4	9247.1	9416.0
32.5°	11547.8	11434.3	11052.2	10357.3	9742.7	9438.1	9692.8	10282.5	10315.8	10423.7
35°	13372.3	13256.0	12873.9	12162.4	11406.6	10714.4	10664.6	11329.1	11340.1	11453.7
37.5°	15207.9	15111.0	14704.0	14006.3	13261.5	12306.4	11844.0	12320.2	12334.1	12444.8
40°	16517.4	16558.9	16279.3	15739.4	15099.9	14056.1	13167.4	13375.1	13292.0	13477.5
42.5°	17641.5	17724.5	17480.9	17209.6	16838.6	15919.4	14806.4	14770.4	14637.5	14737.2
45°	18613.2	18682.4	18463.7	18400.0	18391.7	17746.7	16597.7	16381.7	16196.2	16176.9
47.5°	18970.4	19103.3	19197.4	19410.6	19825.9	19554.5	18449.9	18114.9	17907.2	17755.0
50°	19106.0	19247.2	19568.4	20188.6	21171.4	21287.7	20293.8	19917.2	19662.5	19385.7
52.5°	18923.3	19175.2	19607.1	20650.9	22076.7	22677.5	22062.9	21733.4	21442.7	20991.4
55°	17846.3	18098.3	18981.4	20645.4	22528.0	23652.1	23735.1	23588.4	23261.7	22550.2
57.5°	15576.1	15949.8	17348.0	19942.1	22519.7	24490.9	25374.1	25479.3	25113.9	24095.0
60°	12431.0	12937.6	14643.1	18383.4	21824.8	24945.0	26811.0	27337.1	26949.4	25617.8
62.5°	8674.0	9260.9	10875.0	15941.5	20235.6	24618.3	27860.3	28832.1	28538.6	26979.9
65°	5290.8	5479.0	6780.3	12544.5	17533.5	23250.6	28184.2	29640.5	29543.6	27813.2
67.5°	3524.4	3682.2	4056.0	8602.0	13610.4	20518.0	27409.0	29499.3	29527.0	27677.6
70°	2123.5	2259.2	2502.8	5002.8	8820.7	16240.5	25008.7	27699.7	27860.3	25864.2
72.5°	874.9	966.2	1187.7	2267.5	4568.2	10307.5	19914.5	23782.2	24155.9	21747.3
75°	495.6	542.6	697.7	1137.9	1982.3	4803.5	12062.7	16882.9	17433.8	14989.1
77.5°	329.5	351.6	451.3	736.4	1115.7	1639.0	5155.1	8795.8	9847.9	8186.7
80°	221.5	240.9	310.1	492.8	725.4	703.2	1641.8	3258.6	4008.9	2812.9
82.5°	149.5	152.3	221.5	323.9	459.6	340.5	484.5	1013.3	1273.6	814.0
85°	85.8	83.1	163.3	188.3	204.9	141.2	146.7	304.5	398.7	343.3
87.5°	11.1	16.6	63.7	49.8	27.7	30.5	30.5	52.6	77.5	83.1
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°
4803.5	0°	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5	4803.5
4809.0	2.5°	4809.0	4806.3	4798.0	4789.7	4770.3	4759.2	4764.7	4759.2	4756.4	4759.2
4845.0	5°	4845.0	4836.7	4814.6	4786.9	4748.1	4701.1	4670.6	4626.3	4584.8	4559.9
4941.9	7.5°	4941.9	4933.6	4903.2	4825.7	4701.1	4504.5	4324.5	4166.7	4047.7	3978.5
5097.0	10°	5097.0	5083.1	5036.1	4864.4	4537.7	4108.6	3751.4	3455.2	3261.4	3170.0
5279.7	12.5°	5279.7	5263.1	5180.0	4828.4	4227.6	3557.6	3064.8	2735.4	2555.4	2475.1
5490.1	15°	5495.6	5473.5	5310.2	4656.8	3776.4	2948.5	2497.3	2250.9	2134.6	2062.6
5758.7	17.5°	5764.2	5725.4	5407.1	4399.3	3286.3	2483.4	2148.4	1962.9	1860.5	1791.3
6110.3	20°	6113.0	6049.4	5484.6	4092.0	2835.0	2190.0	1913.1	1758.1	1680.5	1619.6
6608.6	22.5°	6600.3	6509.0	5578.7	3759.7	2516.6	1987.8	1738.7	1625.2	1561.5	1492.3
7303.5	25°	7203.9	7095.9	5695.0	3452.4	2297.9	1813.4	1611.3	1517.2	1442.4	1362.1
8214.4	27.5°	8048.3	7854.5	5833.4	3200.5	2109.7	1663.9	1495.0	1389.8	1304.0	1237.6
9247.1	30°	8989.6	8671.2	5955.2	3048.2	1938.0	1525.5	1342.8	1237.6	1157.3	1110.2
10174.6	32.5°	9881.1	9449.2	6035.5	2981.8	1783.0	1367.7	1176.7	1063.1	1002.2	988.4
11082.7	35°	10722.7	10152.4	6027.2	2918.1	1644.5	1209.9	1013.3	897.0	850.0	858.3
12060.0	37.5°	11691.8	10902.7	5969.1	2818.4	1531.0	1065.9	872.1	769.7	728.1	730.9
13247.7	40°	12818.6	11769.3	5933.1	2630.2	1406.4	933.0	755.8	672.8	642.3	631.2
14499.1	42.5°	14020.1	12608.2	5938.6	2417.0	1251.4	814.0	675.5	606.3	578.6	570.3
15891.7	45°	15227.2	13408.3	5946.9	2195.5	1088.1	722.6	617.4	559.3	542.6	531.6
17303.7	47.5°	16362.4	14089.4	5791.9	1957.4	927.5	653.4	570.3	531.6	517.7	503.9
18721.2	50°	17420.0	14543.4	5418.1	1680.5	800.1	598.0	534.3	506.7	492.8	479.0
20005.8	52.5°	18242.2	14615.4	4800.7	1395.4	711.5	556.5	512.2	487.3	470.7	456.8
21044.0	55°	18607.7	14164.1	3923.1	1129.6	642.3	520.5	490.0	465.1	445.7	431.9
21860.8	57.5°	18513.6	13214.5	3059.3	908.1	575.9	484.5	462.4	445.7	423.6	401.4
22522.5	60°	18051.2	11943.7	2306.2	755.8	515.0	445.7	431.9	418.1	387.6	354.4
22777.2	62.5°	17251.1	10346.2	1644.5	625.7	448.5	401.4	395.9	384.8	340.5	279.6
22400.7	65°	16027.4	8405.4	1107.4	520.5	384.8	351.6	354.4	335.0	276.9	207.6
21021.9	67.5°	14238.9	6146.3	708.8	426.4	321.2	293.5	296.2	285.2	235.3	177.2
18408.4	70°	11960.3	4069.8	462.4	323.9	257.5	227.0	243.6	246.4	199.3	144.0
14128.1	72.5°	8768.1	2403.1	323.9	240.9	188.3	157.8	199.3	204.9	160.6	108.0
8499.6	75°	4997.3	1140.7	243.6	174.4	116.3	110.7	155.0	155.0	110.7	72.0
3679.5	77.5°	2098.6	476.2	171.7	113.5	66.4	63.7	105.2	96.9	55.4	33.2
897.0	80°	606.3	213.2	91.4	55.4	27.7	24.9	41.5	30.5	13.8	5.5
340.5	82.5°	238.1	94.1	36.0	22.1	11.1	11.1	5.5	0.0	0.0	0.0
193.8	85°	141.2	38.8	16.6	8.3	2.8	0.0	0.0	0.0	0.0	0.0
41.5	87.5°	36.0	8.3	5.5	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°
4803.5
4770.3
4565.4
3981.2
3161.7
2466.8
2065.4
1785.7
1608.6
1481.2
1353.8
1223.7
1101.9
996.7
858.3
742.0
628.5
567.6
531.6
503.9
479.0
454.0
429.1
398.7
348.8
274.1
202.1
168.9
138.4
102.4
66.4
33.2
5.5
0.0
0.0
0.0
0.0