

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: P949089

Luminaire Tested: **GLAN-SB3D-940-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-940-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18419 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 218.1
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

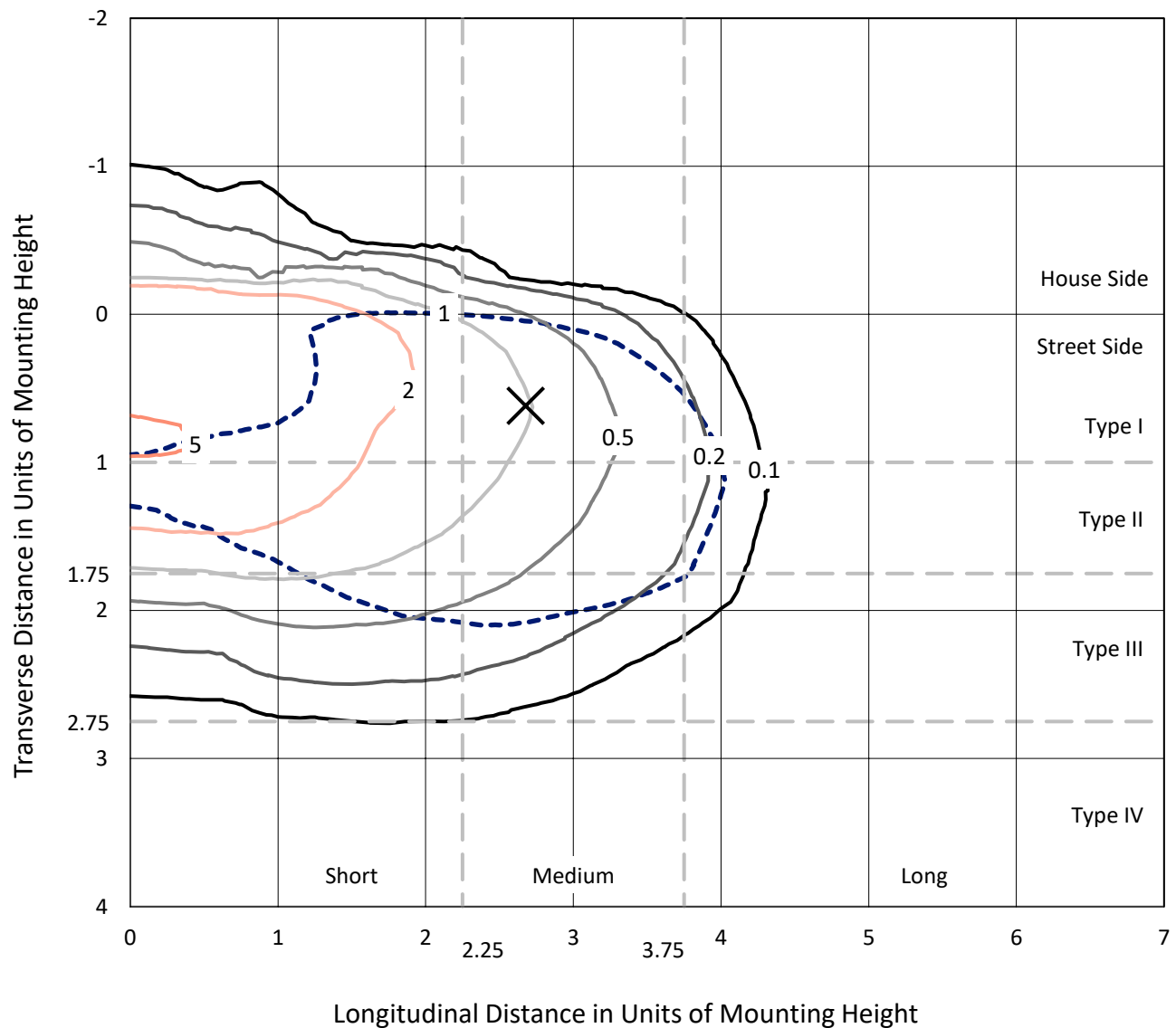


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

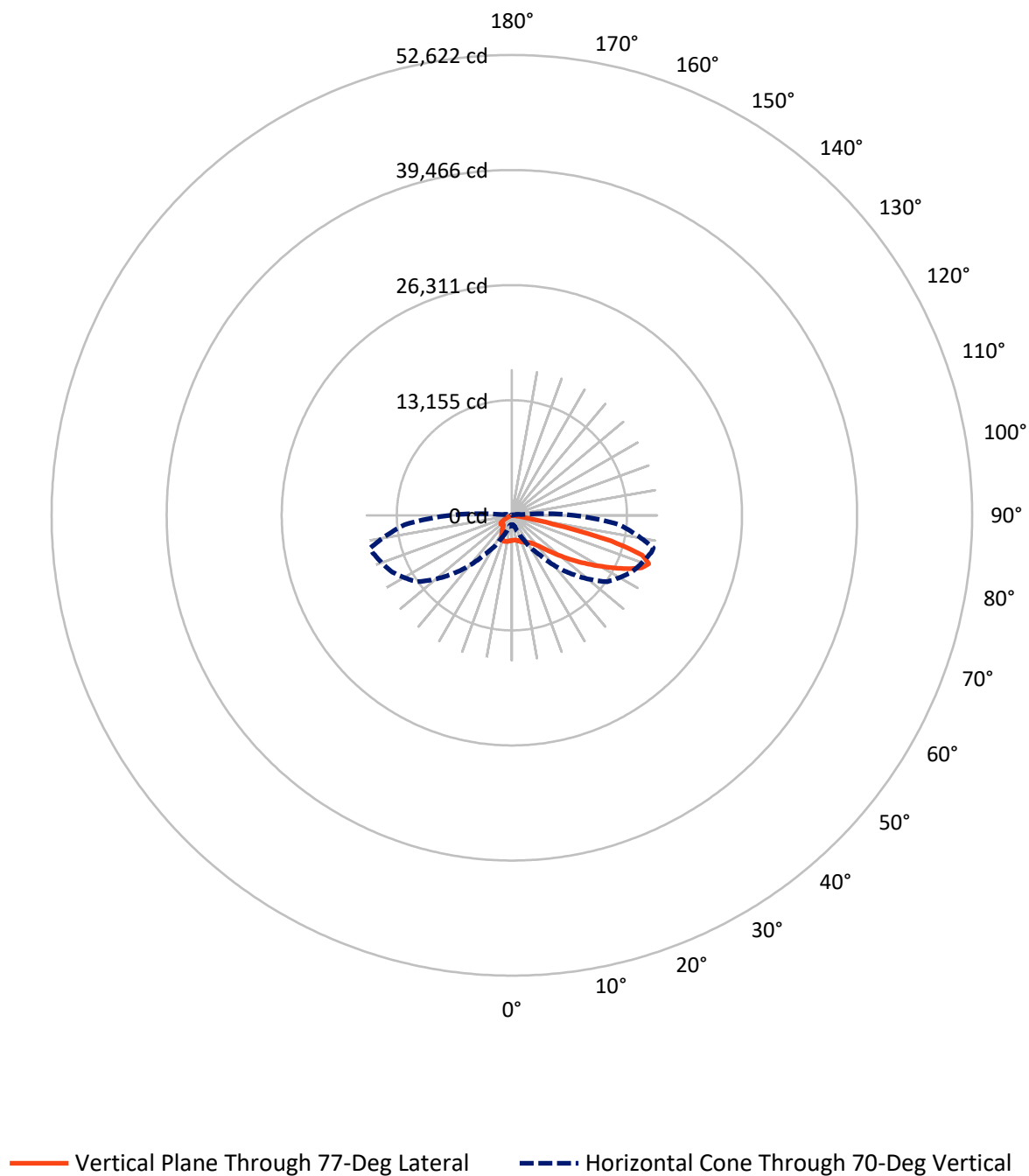


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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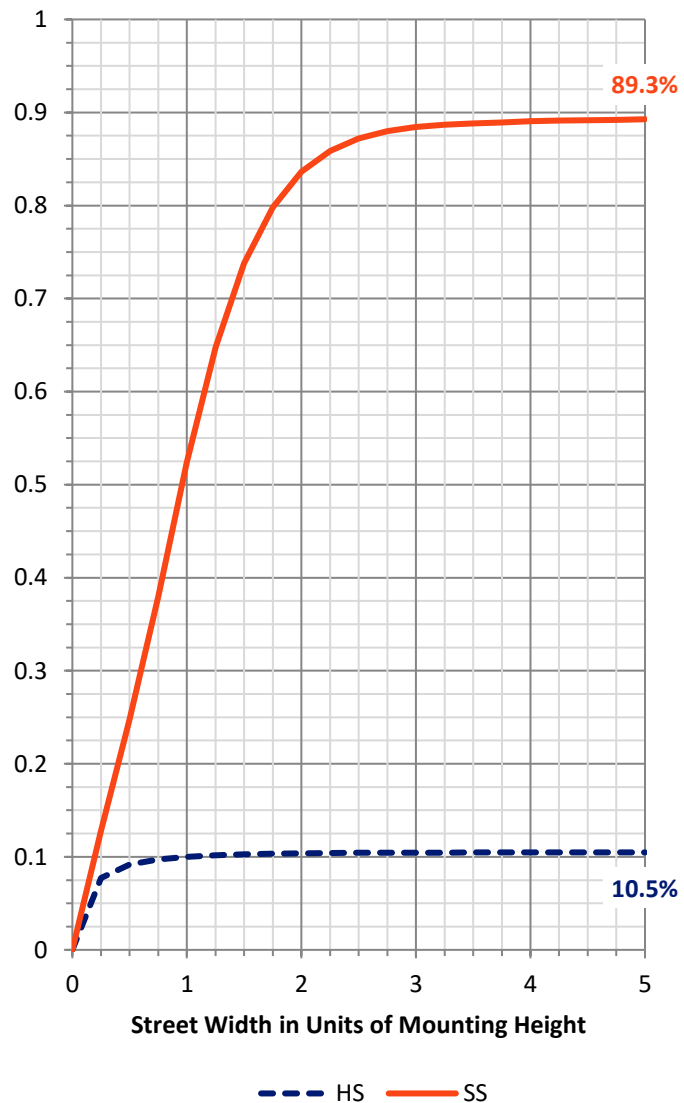
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1941.6	0.0	1941.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	16477.4	0.0	16477.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	18419.0	0.0	18419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.6	1.3
10°-20°	587.8	3.2
20°-30°	909.2	4.9
30°-40°	1649.7	9.0
40°-50°	3114.0	16.9
50°-60°	4499.5	24.4
60°-70°	4789.6	26.0
70°-80°	2538.2	13.8
80°-90°	83.3	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°	18419.0	100.0
0°-180°	18419.0	100.0

Coefficient of Utilization



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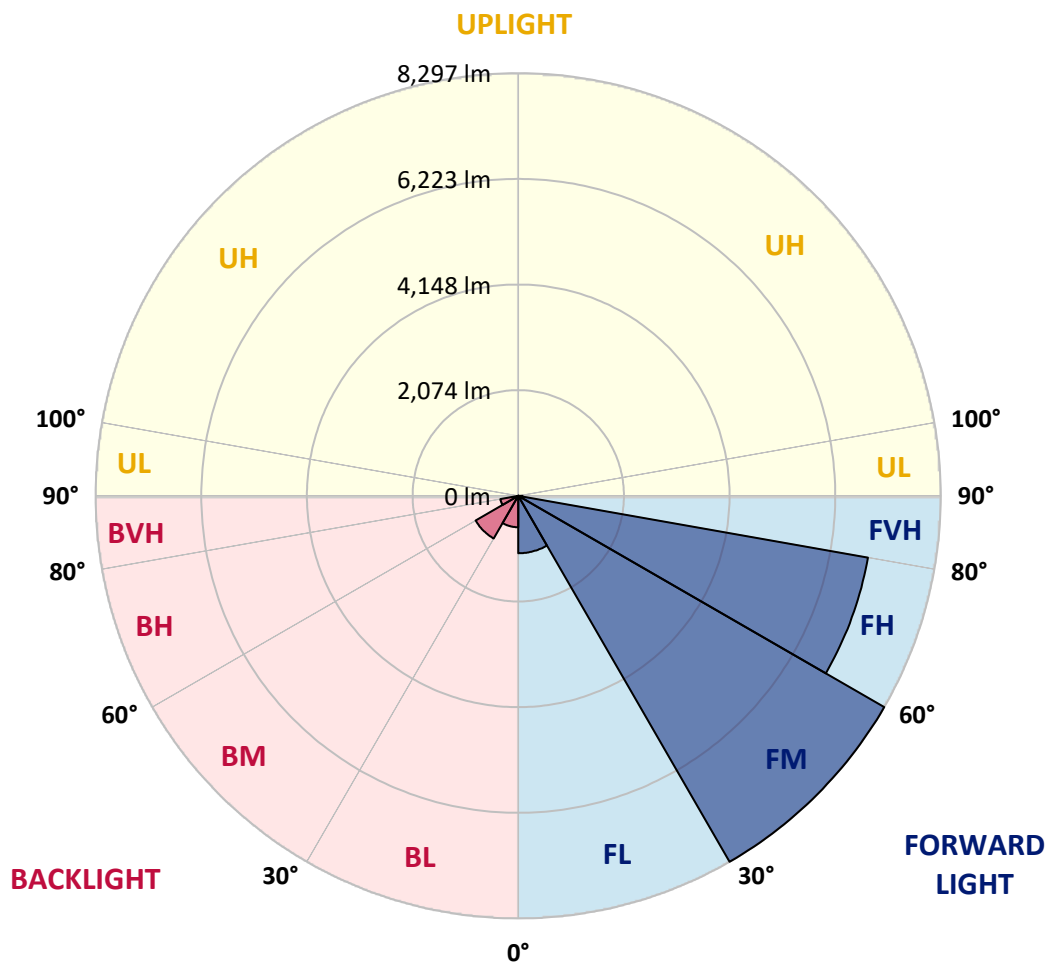
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1127.7	6.1			
FM	(30°-60°)	8296.7	45.0			
FH	(60°-80°)	6971.8	37.9			G3/7500
FVH	(80°-90°)	81.1	0.4			G1/100
BL	(0°-30°)	616.9	3.3	B2/1000		
BM	(30°-60°)	966.5	5.2	B1/1000		
BH	(60°-80°)	355.9	1.9	B1/500		G1/500
BVH	(80°-90°)	2.2	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0
2.5°	2697.4	2721.8	2718.3	2734.6	2740.4	2763.7	2787.0	2818.4	2853.3	2852.1
5°	2545.0	2569.4	2575.3	2597.4	2625.3	2661.3	2709.0	2771.8	2837.0	2847.4
7.5°	2364.7	2390.3	2405.4	2449.6	2500.8	2575.3	2653.2	2745.1	2853.3	2868.4
10°	2184.4	2207.7	2227.5	2290.3	2371.7	2482.2	2609.0	2741.6	2887.0	2909.1
12.5°	2072.8	2094.9	2117.0	2171.6	2272.8	2407.8	2579.9	2757.9	2942.8	2974.2
15°	2033.2	2053.0	2070.4	2119.3	2213.5	2367.1	2574.1	2791.6	3013.8	3055.6
17.5°	2039.0	2049.5	2061.1	2098.4	2190.3	2348.4	2584.6	2849.8	3097.5	3134.7
20°	2072.8	2078.6	2079.7	2105.3	2186.8	2346.1	2605.5	2905.6	3176.6	3226.6
22.5°	2115.8	2118.1	2115.8	2133.3	2208.9	2363.6	2633.4	2973.1	3265.0	3311.5
25°	2317.0	2272.8	2217.0	2183.3	2246.1	2397.3	2675.3	3063.8	3361.6	3406.9
27.5°	2941.7	2814.9	2614.8	2390.3	2322.9	2446.1	2733.5	3155.7	3459.3	3500.0
30°	3955.9	3789.6	3450.0	2944.0	2569.4	2548.5	2809.1	3247.6	3562.8	3607.0
32.5°	4972.6	4931.8	4539.9	3839.6	3124.3	2776.5	2934.7	3372.0	3700.0	3734.9
35°	6000.8	5918.2	5597.2	4905.1	3979.2	3240.6	3144.1	3534.9	3880.3	3919.9
37.5°	6788.3	6738.2	6539.3	5969.4	4993.5	3957.1	3502.3	3787.3	4142.1	4186.3
40°	7483.8	7460.6	7393.1	7017.4	6127.6	4894.6	4059.5	4178.1	4505.0	4557.3
42.5°	8030.5	8085.2	8123.6	8018.9	7296.6	5964.7	4808.5	4727.1	5010.9	5064.4
45°	8590.0	8608.6	8763.3	8914.5	8457.4	7083.7	5653.0	5370.4	5640.2	5706.5
47.5°	8949.4	9023.9	9296.1	9562.4	9433.3	8193.4	6560.3	6129.9	6369.5	6494.0
50°	8976.2	9116.9	9491.5	9955.6	10144.0	9249.5	7546.7	6995.3	7250.0	7387.3
52.5°	8530.7	8749.4	9329.8	10009.1	10527.9	10144.0	8566.8	7860.7	8187.6	8366.7
55°	6540.5	6826.6	8721.5	9718.3	10543.0	10822.1	9560.1	8762.2	9232.1	9434.5
57.5°	5698.4	5842.6	6856.9	9213.5	10262.7	11095.5	10458.1	9620.6	10368.5	10619.7
60°	4741.1	4930.7	5750.7	8387.6	9882.3	11122.2	11251.3	10727.9	11600.3	11883.0
62.5°	3222.0	3427.9	4243.2	6968.6	9362.4	11109.4	11901.6	11867.8	12969.4	13272.9
65°	1996.0	2125.1	2662.5	5690.2	8635.4	11123.4	12582.0	13252.0	14414.0	14722.3
67.5°	1577.3	1636.6	1916.9	4368.9	7382.6	10809.3	13261.3	14553.6	15773.8	16018.0
70°	1059.6	1095.7	1394.6	2928.9	5492.5	9360.0	13248.5	15207.3	16474.0	16596.1
72.5°	558.3	586.2	815.4	1356.3	3317.4	6653.3	11167.6	14425.6	15777.2	15593.5
75°	279.2	325.7	549.0	688.6	1416.7	3710.5	6934.8	11373.5	12418.0	11706.1
77.5°	211.7	255.9	453.6	453.6	493.2	1249.2	2937.0	6203.2	5721.6	4764.3
80°	134.9	174.5	396.6	343.1	205.9	317.5	765.4	1737.8	1215.5	924.7
82.5°	79.1	114.0	330.3	226.8	115.2	117.5	216.3	369.9	315.2	245.4
85°	31.4	74.4	226.8	89.6	45.4	29.1	65.1	79.1	65.1	48.9
87.5°	0.0	17.4	39.5	0.0	3.5	2.3	4.7	5.8	5.8	4.7
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°
2873.0	0°	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0	2873.0
2875.4	2.5°	2885.8	2888.2	2895.1	2896.3	2880.0	2859.1	2850.9	2847.4	2833.5	2832.3
2894.0	5°	2920.7	2931.2	2920.7	2890.5	2818.4	2717.2	2640.4	2577.6	2520.6	2503.1
2957.9	7.5°	2990.5	3001.0	2969.6	2850.9	2669.5	2468.2	2286.8	2158.8	2043.7	2000.7
3035.9	10°	3090.5	3104.5	3005.6	2766.0	2445.0	2121.6	1814.5	1598.2	1429.5	1360.9
3141.7	12.5°	3216.2	3222.0	3025.4	2636.9	2153.0	1691.3	1256.2	1024.8	874.7	818.9
3269.7	15°	3354.6	3346.4	3027.7	2461.3	1755.2	1195.7	820.0	673.5	613.0	594.4
3397.6	17.5°	3500.0	3466.2	2981.2	2207.7	1319.0	817.7	608.3	573.4	563.0	558.3
3524.4	20°	3643.1	3567.4	2896.3	1876.2	946.8	610.7	552.5	542.0	536.2	533.9
3652.4	22.5°	3773.3	3644.2	2750.9	1491.2	687.4	539.7	522.3	513.0	502.5	497.8
3776.8	25°	3900.1	3688.4	2546.2	1131.8	550.2	504.8	490.9	473.4	459.5	453.6
3910.6	27.5°	4023.4	3716.3	2290.3	837.5	490.9	472.2	446.7	422.2	411.8	409.4
4053.6	30°	4154.8	3725.6	1999.5	624.6	454.8	431.5	394.3	366.4	360.6	361.7
4246.7	32.5°	4315.4	3739.6	1706.4	511.8	424.6	382.7	338.5	309.4	304.8	309.4
4528.2	35°	4507.3	3767.5	1423.7	471.1	397.8	332.7	285.0	260.6	255.9	259.4
4888.8	37.5°	4767.8	3812.9	1159.7	462.9	375.7	290.8	239.6	219.8	219.8	221.0
5330.8	40°	5114.5	3933.8	923.6	457.1	364.1	259.4	202.4	194.2	197.7	200.1
5893.8	42.5°	5536.7	4190.9	764.2	450.1	351.3	245.4	183.8	180.3	186.1	188.4
6568.4	45°	6010.1	4516.6	708.4	438.5	339.6	254.7	175.6	171.0	178.0	179.1
7324.5	47.5°	6499.8	4835.3	701.4	425.7	328.0	268.7	173.3	162.8	171.0	172.1
8131.7	50°	6995.3	5043.5	708.4	405.9	309.4	268.7	174.5	154.7	161.7	165.2
8969.2	52.5°	7494.3	5138.9	703.7	362.9	276.8	252.4	174.5	147.7	154.7	157.0
9874.2	55°	7978.2	5120.3	632.8	298.9	235.0	223.3	169.8	141.9	146.6	147.7
10729.1	57.5°	8360.9	4860.9	501.3	232.6	190.8	186.1	154.7	134.9	138.4	137.3
11513.1	60°	8560.9	4290.9	358.3	179.1	150.0	146.6	136.1	125.6	127.9	122.1
12177.2	62.5°	8563.3	3537.2	239.6	141.9	119.8	116.3	116.3	112.8	110.5	98.9
12691.4	65°	8380.6	2700.9	159.4	112.8	96.5	90.7	97.7	96.5	88.4	72.1
12848.4	67.5°	7966.6	1770.3	121.0	88.4	74.4	71.0	77.9	81.4	75.6	60.5
12276.1	70°	7115.1	1030.6	100.0	68.6	55.8	52.3	62.8	69.8	62.8	48.9
10493.0	72.5°	5910.1	556.0	81.4	51.2	38.4	34.9	50.0	57.0	50.0	36.1
6732.4	75°	3835.0	297.8	62.8	33.7	19.8	22.1	37.2	41.9	34.9	23.3
1976.2	77.5°	1287.6	131.4	39.5	16.3	9.3	9.3	22.1	25.6	16.3	8.1
359.4	80°	287.3	54.7	16.3	7.0	3.5	3.5	4.7	4.7	2.3	0.0
110.5	82.5°	94.2	22.1	7.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
27.9	85°	36.1	8.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.3	87.5°	14.0	1.2	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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180°
2873.0
2834.6
2492.7
1983.2
1331.8
801.4
594.4
557.2
531.6
496.7
451.3
407.1
361.7
308.2
258.2
219.8
200.1
188.4
180.3
173.3
166.3
157.0
147.7
137.3
121.0
95.4
69.8
59.3
46.5
34.9
20.9
7.0
0.0
0.0
0.0
0.0
0.0