

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: P848777

Luminaire Tested: **GLAN-SB5C-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 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: 28660 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

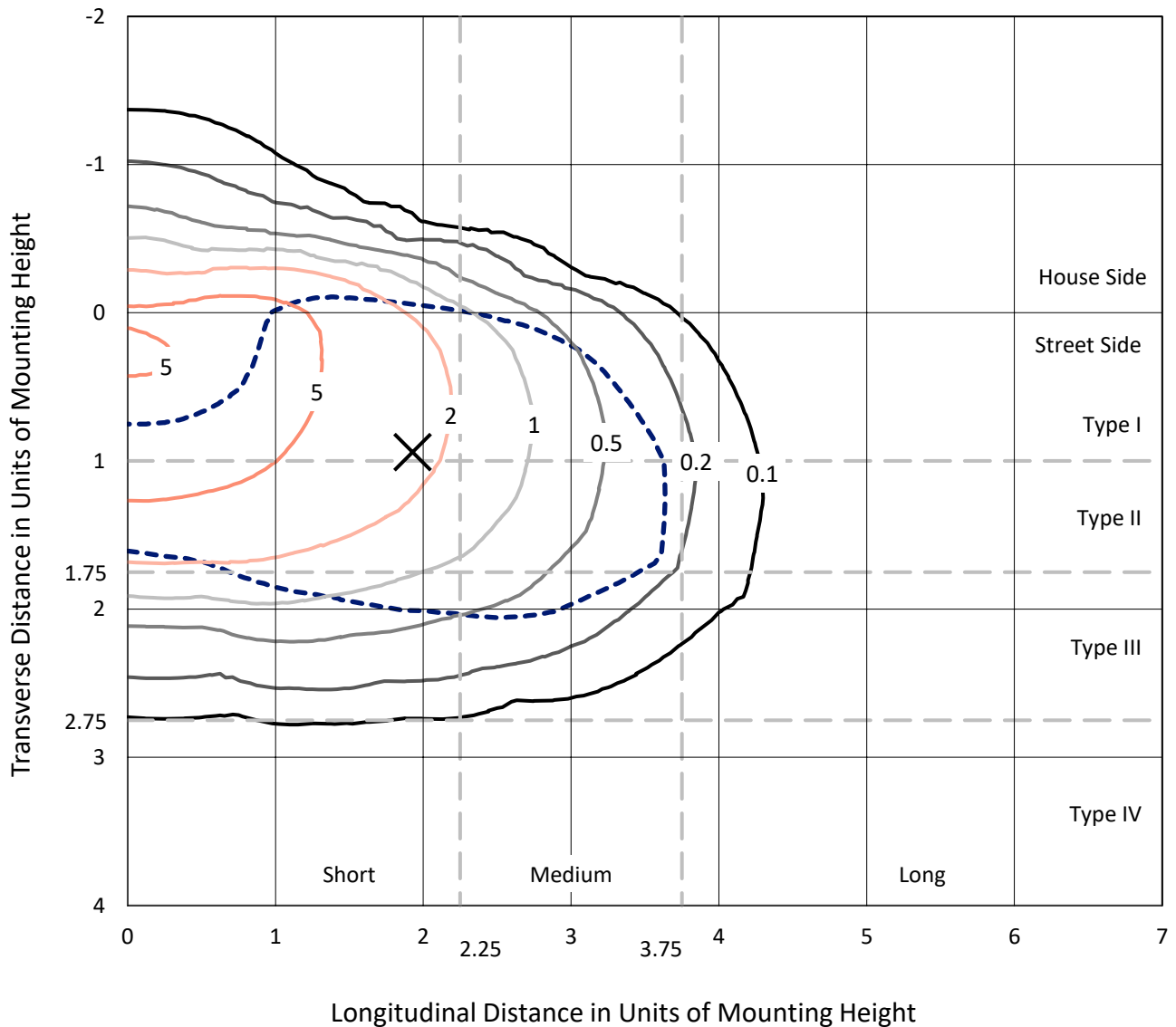
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

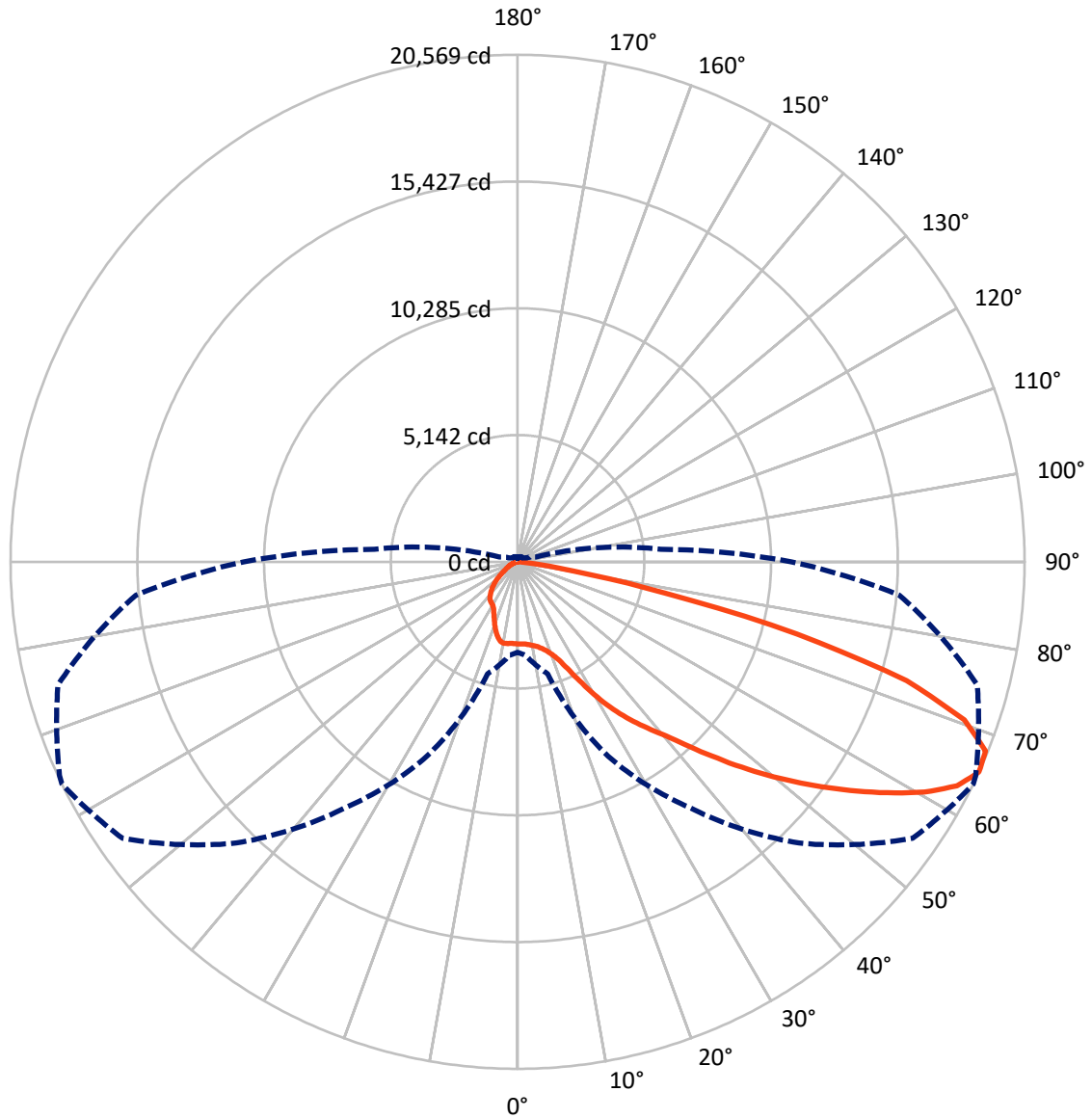
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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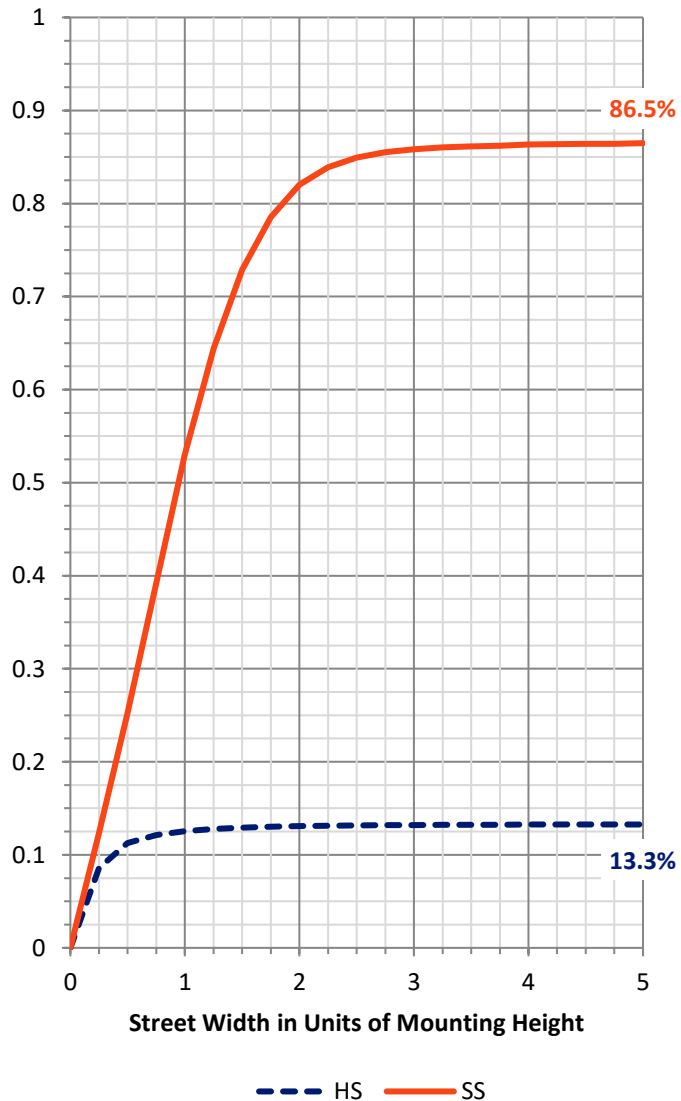
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3832.7	0.0	3832.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	24827.3	0.0	24827.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	28660.0	0.0	28660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.5	1.1
10°-20°	834.1	2.9
20°-30°	1580.6	5.5
30°-40°	3198.5	11.2
40°-50°	5448.6	19.0
50°-60°	7409.7	25.9
60°-70°	6958.1	24.3
70°-80°	2787.7	9.7
80°-90°	135.1	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°	28660.0	100.0
0°-180°	28660.0	100.0

Coefficient of Utilization



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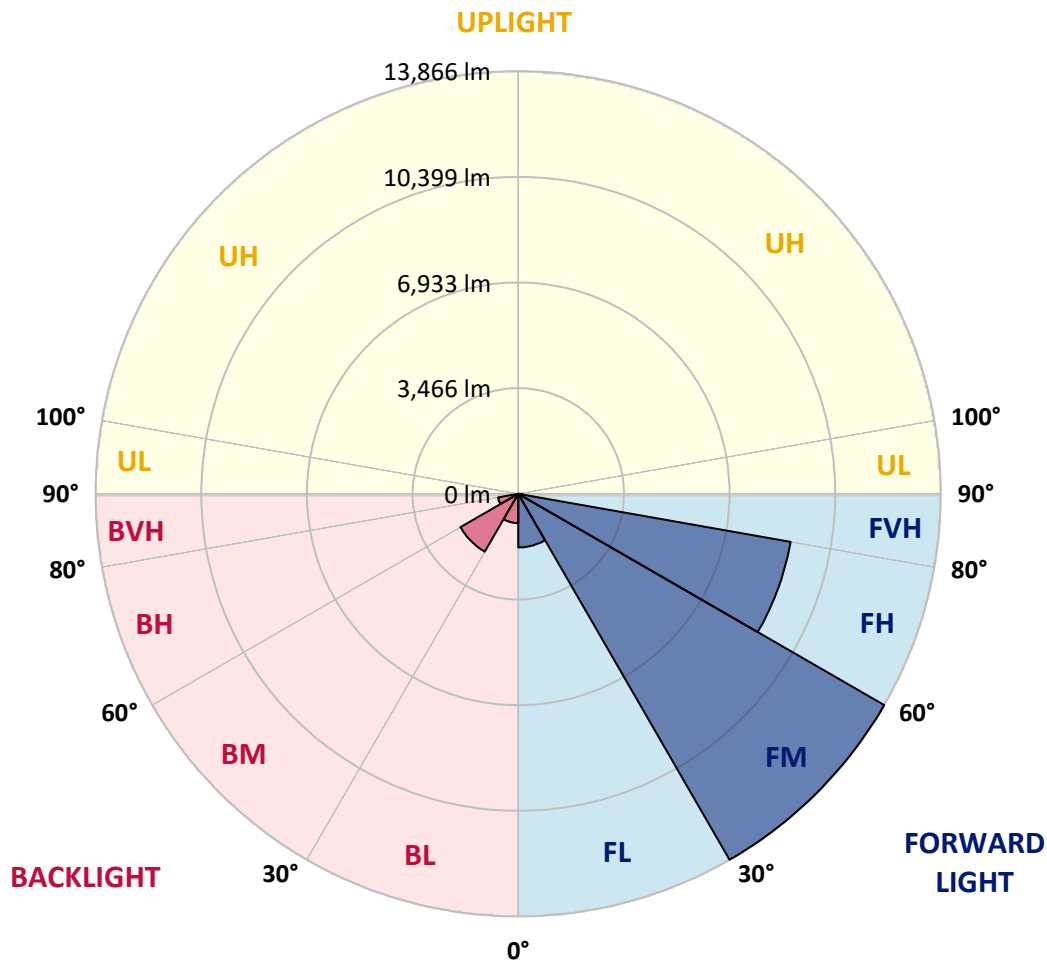
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.1	6.1			
FM (30°-60°)	13865.7	48.4			
FH (60°-80°)	9073.1	31.7			G4/12000
FVH (80°-90°)	128.5	0.4			G2/225
BL (0°-30°)	962.3	3.4	B2/1000		
BM (30°-60°)	2191.1	7.6	B2/2500		
BH (60°-80°)	672.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.6	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5
2.5°	3321.9	3345.0	3339.2	3333.5	3331.5	3335.4	3337.3	3335.4	3335.4	3335.4
5°	3258.5	3277.7	3277.7	3291.2	3310.4	3333.5	3350.7	3354.6	3358.4	3364.2
7.5°	3137.5	3152.9	3164.4	3208.6	3256.6	3318.1	3370.0	3396.9	3400.7	3421.8
10°	3054.9	3074.1	3093.3	3139.4	3208.6	3300.8	3389.2	3454.5	3464.1	3514.1
12.5°	3051.0	3070.2	3095.2	3145.2	3225.9	3323.8	3431.4	3525.6	3542.9	3615.9
15°	3091.4	3114.4	3137.5	3199.0	3285.4	3404.5	3519.8	3637.0	3654.3	3758.1
17.5°	3174.0	3204.7	3222.0	3283.5	3375.7	3508.3	3660.1	3794.6	3809.9	3931.0
20°	3337.3	3373.8	3379.6	3429.5	3519.8	3662.0	3842.6	4009.8	4029.0	4167.3
22.5°	3675.4	3727.3	3681.2	3706.2	3786.9	3929.1	4125.0	4336.4	4363.3	4520.8
25°	4271.1	4344.1	4224.9	4182.7	4217.3	4365.2	4611.1	4878.2	4908.9	5035.7
27.5°	5441.1	5347.0	5166.4	4989.6	4885.9	4970.4	5247.1	5577.5	5616.0	5738.9
30°	6726.5	6643.9	6399.9	6007.9	5762.0	5748.5	6004.1	6373.0	6417.1	6534.3
32.5°	8013.7	7935.0	7669.8	7187.6	6761.1	6549.7	6726.5	7135.7	7158.8	7233.7
35°	9279.9	9199.2	8934.0	8440.3	7915.8	7435.4	7400.8	7862.0	7869.6	7948.4
37.5°	10553.7	10486.5	10204.0	9719.9	9203.0	8540.2	8219.3	8549.8	8559.4	8636.2
40°	11462.5	11491.3	11297.2	10922.6	10478.8	9754.4	9137.7	9281.8	9224.2	9352.9
42.5°	12242.5	12300.2	12131.1	11942.8	11685.3	11047.5	10275.1	10250.1	10157.9	10227.1
45°	12916.9	12964.9	12813.2	12769.0	12763.2	12315.5	11518.2	11368.3	11239.6	11226.2
47.5°	13164.7	13257.0	13322.3	13470.2	13758.4	13570.1	12803.5	12571.1	12427.0	12321.3
50°	13258.9	13356.9	13579.7	14010.1	14692.2	14772.9	14083.1	13821.8	13645.1	13452.9
52.5°	13132.1	13306.9	13606.6	14331.0	15320.4	15737.4	15310.8	15082.2	14880.5	14567.3
55°	12384.7	12559.5	13172.4	14327.1	15633.6	16413.7	16471.3	16369.5	16142.8	15649.0
57.5°	10809.2	11068.6	12038.9	13839.1	15627.9	16995.8	17608.7	17681.7	17428.1	16721.1
60°	8626.6	8978.2	10161.8	12757.4	15145.6	17310.9	18605.9	18970.9	18701.9	17777.8
62.5°	6019.4	6426.7	7546.9	11062.8	14042.8	17084.2	19334.0	20008.4	19804.8	18723.1
65°	3671.6	3802.3	4705.3	8705.4	12167.6	16135.1	19558.8	20569.4	20502.2	19301.4
67.5°	2445.8	2555.3	2814.7	5969.5	9445.1	14238.8	19020.9	20471.5	20490.7	19207.2
70°	1473.6	1567.8	1736.9	3471.8	6121.3	11270.3	17355.1	19222.6	19334.0	17948.8
72.5°	607.1	670.5	824.2	1573.5	3170.1	7153.0	13819.9	16504.0	16763.3	15091.8
75°	343.9	376.6	484.2	789.7	1375.7	3333.5	8371.1	11716.1	12098.4	10401.9
77.5°	228.6	244.0	313.2	511.1	774.3	1137.4	3577.5	6104.0	6834.1	5681.3
80°	153.7	167.2	215.2	342.0	503.4	488.0	1139.3	2261.4	2782.0	1952.0
82.5°	103.8	105.7	153.7	224.8	318.9	236.3	336.2	703.2	883.8	564.9
85°	59.6	57.6	113.4	130.6	142.2	98.0	101.8	211.3	276.7	238.2
87.5°	7.7	11.5	44.2	34.6	19.2	21.1	21.1	36.5	53.8	57.6
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°
3333.5	0°	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5	3333.5
3337.3	2.5°	3337.3	3335.4	3329.6	3323.8	3310.4	3302.7	3306.6	3302.7	3300.8	3302.7
3362.3	5°	3362.3	3356.5	3341.1	3321.9	3295.0	3262.4	3241.2	3210.5	3181.7	3164.4
3429.5	7.5°	3429.5	3423.8	3402.6	3348.8	3262.4	3126.0	3001.1	2891.6	2808.9	2760.9
3537.1	10°	3537.1	3527.5	3494.8	3375.7	3149.0	2851.2	2603.4	2397.8	2263.3	2199.9
3663.9	12.5°	3663.9	3652.4	3594.8	3350.7	2933.8	2468.9	2126.9	1898.2	1773.4	1717.6
3809.9	15°	3813.8	3798.4	3685.1	3231.6	2620.7	2046.2	1733.0	1562.0	1481.3	1431.4
3996.3	17.5°	4000.1	3973.2	3752.3	3052.9	2280.6	1723.4	1490.9	1362.2	1291.1	1243.1
4240.3	20°	4242.2	4198.0	3806.1	2839.7	1967.4	1519.7	1327.6	1220.0	1166.2	1124.0
4586.1	22.5°	4580.4	4517.0	3871.4	2609.1	1746.5	1379.5	1206.6	1127.8	1083.6	1035.6
5068.4	25°	4999.2	4924.3	3952.1	2395.9	1594.7	1258.5	1118.2	1052.9	1001.0	945.3
5700.5	27.5°	5585.2	5450.7	4048.2	2221.0	1464.0	1154.7	1037.5	964.5	904.9	858.8
6417.1	30°	6238.5	6017.5	4132.7	2115.4	1344.9	1058.6	931.8	858.8	803.1	770.4
7060.8	32.5°	6857.1	6557.4	4188.4	2069.2	1237.3	949.1	816.6	737.8	695.5	685.9
7691.0	35°	7441.2	7045.4	4182.7	2025.1	1141.3	839.6	703.2	622.5	589.8	595.6
8369.2	37.5°	8113.7	7566.1	4142.3	1955.9	1062.5	739.7	605.2	534.1	505.3	507.2
9193.4	40°	8895.6	8167.4	4117.3	1825.2	976.0	647.5	524.5	466.9	445.7	438.1
10061.8	42.5°	9729.5	8749.6	4121.2	1677.3	868.4	564.9	468.8	420.8	401.6	395.8
11028.3	45°	10567.2	9304.9	4127.0	1523.6	755.1	501.5	428.4	388.1	376.6	368.9
12008.1	47.5°	11354.9	9777.5	4019.4	1358.4	643.6	453.4	395.8	368.9	359.3	349.7
12991.8	50°	12088.8	10092.6	3760.0	1166.2	555.3	415.0	370.8	351.6	342.0	332.4
13883.3	52.5°	12659.4	10142.5	3331.5	968.3	493.8	386.2	355.4	338.1	326.6	317.0
14603.8	55°	12913.1	9829.4	2722.5	783.9	445.7	361.2	340.1	322.8	309.3	299.7
15170.6	57.5°	12847.7	9170.4	2123.0	630.2	399.6	336.2	320.9	309.3	294.0	278.6
15629.8	60°	12526.9	8288.5	1600.4	524.5	357.4	309.3	299.7	290.1	269.0	245.9
15806.5	62.5°	11971.6	7179.9	1141.3	434.2	311.3	278.6	274.7	267.1	236.3	194.1
15545.2	65°	11122.4	5833.1	768.5	361.2	267.1	244.0	245.9	232.5	192.1	144.1
14588.4	67.5°	9881.2	4265.3	491.9	295.9	222.9	203.7	205.6	197.9	163.3	123.0
12774.7	70°	8300.0	2824.3	320.9	224.8	178.7	157.5	169.1	171.0	138.3	99.9
9804.4	72.5°	6084.8	1667.7	224.8	167.2	130.6	109.5	138.3	142.2	111.4	74.9
5898.4	75°	3467.9	791.6	169.1	121.0	80.7	76.9	107.6	107.6	76.9	50.0
2553.4	77.5°	1456.3	330.5	119.1	78.8	46.1	44.2	73.0	67.2	38.4	23.1
622.5	80°	420.8	147.9	63.4	38.4	19.2	17.3	28.8	21.1	9.6	3.8
236.3	82.5°	165.2	65.3	25.0	15.4	7.7	7.7	3.8	0.0	0.0	0.0
134.5	85°	98.0	26.9	11.5	5.8	1.9	0.0	0.0	0.0	0.0	0.0
28.8	87.5°	25.0	5.8	3.8	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°
3333.5
3310.4
3168.2
2762.8
2194.1
1711.9
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1239.2
1116.3
1027.9
939.5
849.2
764.7
691.7
595.6
514.9
436.1
393.9
368.9
349.7
332.4
315.1
297.8
276.7
242.1
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117.2
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71.1
46.1
23.1
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