

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: P848606

Luminaire Tested: **GLAN-SB5B-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27225 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

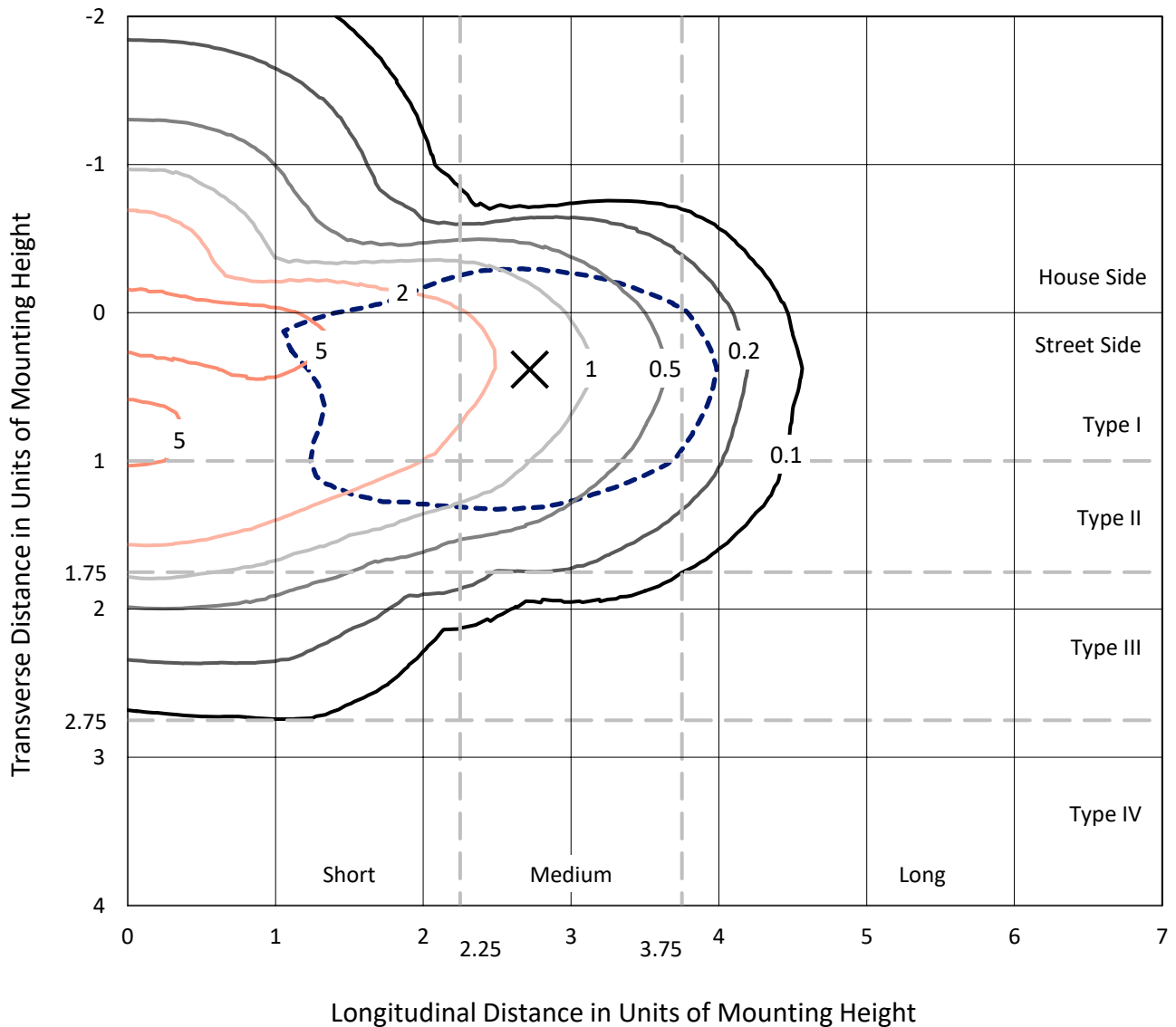
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

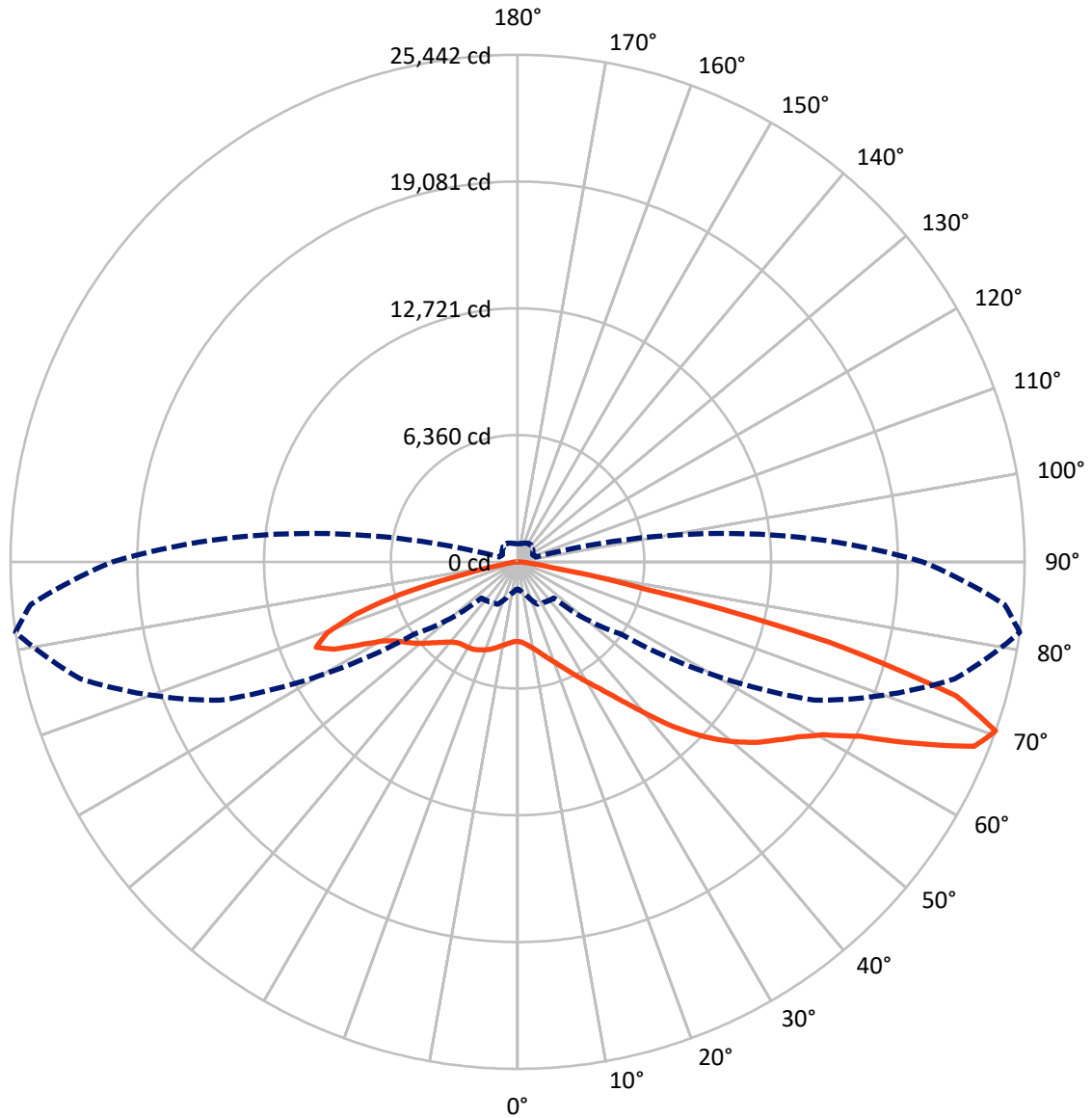
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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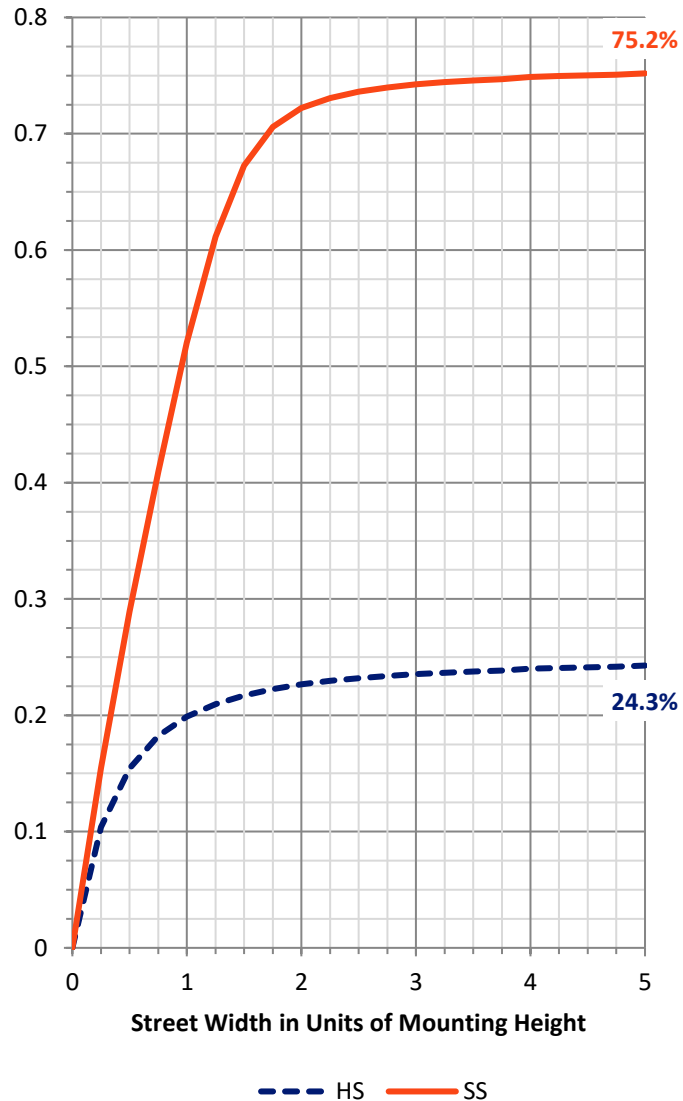
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6711.6	0.0	6711.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	20513.4	0.0	20513.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	27225.0	0.0	27225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.9	1.4
10°-20°	1082.8	4.0
20°-30°	1811.4	6.7
30°-40°	2829.8	10.4
40°-50°	4506.8	16.6
50°-60°	6271.8	23.0
60°-70°	6560.6	24.1
70°-80°	3428.9	12.6
80°-90°	356.1	1.3
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°	27225.0	100.0
0°-180°	27225.0	100.0

Coefficient of Utilization

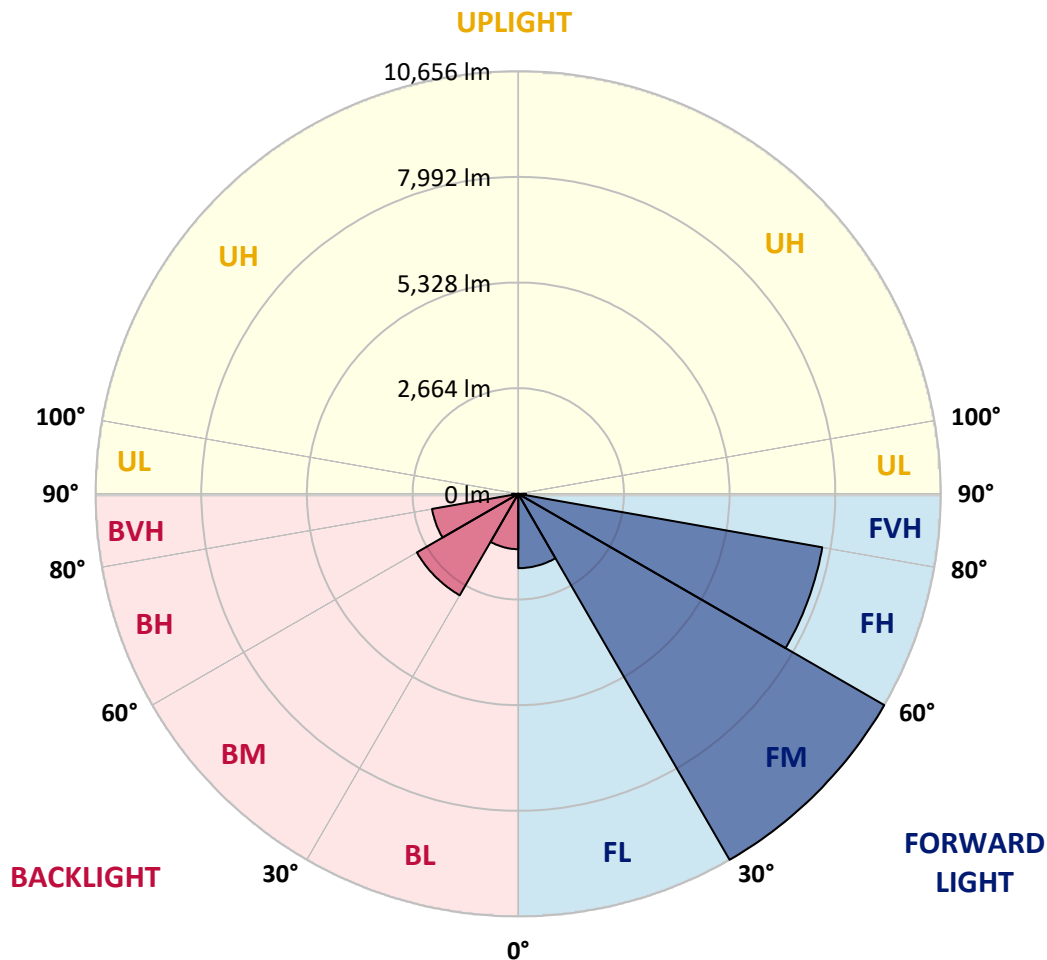


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1874.7	6.9			
FM (30°-60°)	10655.6	39.1			
FH (60°-80°)	7783.7	28.6			G4/12000
FVH (80°-90°)	199.3	0.7			G2/225
BL (0°-30°)	1396.3	5.1	B3/2500		
BM (30°-60°)	2952.9	10.8	B3/5000		
BH (60°-80°)	2205.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	156.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5
2.5°	4086.9	4110.0	4102.8	4095.5	4095.5	4085.4	4084.0	4069.5	4058.0	4039.2
5°	4138.9	4163.4	4160.5	4166.3	4185.1	4189.4	4193.8	4185.1	4162.0	4138.9
7.5°	4092.6	4120.1	4128.8	4163.4	4221.2	4273.2	4312.2	4328.1	4306.5	4273.2
10°	3936.6	3967.0	3997.3	4079.6	4182.2	4305.0	4409.0	4471.1	4466.8	4435.0
12.5°	3620.3	3652.0	3717.0	3877.4	4065.2	4281.9	4475.5	4605.5	4650.3	4627.2
15°	3367.4	3394.9	3444.0	3608.7	3852.8	4182.2	4500.0	4752.8	4867.0	4854.0
17.5°	3360.2	3371.8	3402.1	3480.1	3667.9	4026.2	4474.0	4897.3	5115.5	5114.0
20°	3487.3	3491.7	3509.0	3524.9	3631.8	3907.7	4407.6	5017.2	5394.3	5394.3
22.5°	3663.6	3660.7	3678.0	3663.6	3715.6	3897.6	4365.7	5122.7	5704.9	5728.0
25°	3928.0	3913.5	3909.2	3876.0	3886.1	3991.5	4411.9	5242.6	6073.2	6120.9
27.5°	4280.5	4257.3	4241.4	4164.9	4138.9	4185.1	4553.5	5387.0	6483.5	6565.9
30°	4739.8	4698.0	4674.8	4541.9	4448.0	4455.3	4767.3	5579.2	6912.6	7045.5
32.5°	5366.8	5301.8	5239.7	5021.5	4849.6	4793.3	5043.2	5845.0	7377.7	7590.1
35°	6068.9	6016.9	5950.4	5613.9	5349.5	5219.5	5415.9	6216.3	7922.4	8259.0
37.5°	6745.0	6700.2	6732.0	6278.4	5937.4	5748.2	5904.2	6714.7	8594.1	9091.1
40°	7444.2	7409.5	7413.9	6980.5	6583.2	6370.8	6496.5	7340.2	9364.1	10080.7
42.5°	8204.1	8178.1	8091.4	7707.1	7260.7	7062.8	7178.4	8062.5	10190.5	11207.5
45°	9055.0	9039.1	8958.2	8517.6	8006.2	7783.7	7939.7	8859.9	11021.1	12267.8
47.5°	9790.3	9803.3	9793.2	9421.9	8891.7	8565.2	8751.6	9692.1	11794.0	13264.6
50°	10144.2	10212.1	10311.8	10196.2	9866.9	9534.6	9570.7	10495.3	12530.8	14199.3
52.5°	9959.3	10087.9	10359.5	10544.4	10671.5	10602.2	10505.4	11292.7	13224.2	15043.0
55°	9270.2	9450.8	9901.5	10347.9	10996.6	11500.7	11627.9	12176.8	13900.3	15785.5
57.5°	8014.8	8308.1	8712.6	9615.5	10707.6	11935.6	12936.7	13403.3	14616.8	16578.6
60°	5862.3	6255.3	6758.0	8101.5	9696.4	11703.0	14050.5	15287.1	15635.3	17605.8
62.5°	3751.7	3994.4	4456.7	5722.2	7555.4	10511.2	14391.5	17641.9	17361.6	19290.2
65°	2568.6	2724.6	3147.9	3858.6	4884.3	7824.1	13478.4	19407.2	20103.5	21959.9
67.5°	1866.5	1984.9	2346.1	2968.7	3182.5	4630.1	10459.2	19326.3	22768.9	24710.5
70°	1360.8	1444.6	1748.0	2346.1	2448.7	2575.8	6336.2	16428.4	22711.1	25441.5
72.5°	1008.4	1066.1	1269.8	1820.2	1982.0	1739.3	3136.3	11939.9	19515.6	23011.6
75°	729.5	772.9	923.1	1392.6	1586.2	1324.7	1564.5	6977.6	13612.8	16187.1
77.5°	557.6	590.9	689.1	1019.9	1269.8	993.9	970.8	3210.0	6454.6	6486.4
80°	447.8	469.5	523.0	718.0	973.7	744.0	632.7	1295.8	2039.8	1726.3
82.5°	329.4	365.5	442.1	504.2	696.3	512.8	385.7	654.4	775.8	667.4
85°	187.8	212.4	267.3	361.2	444.9	313.5	221.0	290.4	361.2	296.2
87.5°	66.5	86.7	93.9	141.6	193.6	130.0	85.2	83.8	118.5	88.1
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°
3991.5	0°	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5	3991.5
4034.9	2.5°	4020.4	4013.2	3984.3	3945.3	3904.8	3865.8	3852.8	3825.4	3806.6	3796.5
4128.8	5°	4101.3	4078.2	4010.3	3923.6	3832.6	3734.4	3665.0	3601.5	3555.2	3511.9
4257.3	7.5°	4216.9	4176.4	4059.4	3907.7	3745.9	3582.7	3461.3	3368.9	3306.8	3266.3
4407.6	10°	4351.2	4289.1	4110.0	3883.2	3633.3	3399.2	3256.2	3176.8	3137.7	3116.1
4579.5	12.5°	4505.8	4417.7	4162.0	3826.8	3461.3	3194.1	3095.9	3072.7	3074.2	3075.6
4796.2	15°	4696.5	4573.7	4203.9	3704.0	3237.4	3036.6	3019.3	3056.8	3095.9	3114.6
5041.8	17.5°	4911.8	4738.4	4211.1	3501.8	3017.8	2935.5	2990.4	3071.3	3130.5	3156.5
5316.3	20°	5142.9	4906.0	4159.1	3215.8	2837.3	2853.2	2951.4	3055.4	3120.4	3153.6
5629.7	22.5°	5407.3	5085.1	4034.9	2915.3	2689.9	2763.6	2879.2	2980.3	3048.2	3081.4
5998.1	25°	5709.2	5285.9	3839.8	2662.5	2562.8	2662.5	2778.0	2861.8	2916.7	2947.1
6409.8	27.5°	6044.4	5495.4	3579.8	2461.7	2451.5	2558.4	2653.8	2718.8	2747.7	2770.8
6847.6	30°	6381.0	5686.1	3264.9	2310.0	2354.8	2455.9	2523.8	2552.7	2561.3	2565.7
7335.9	32.5°	6745.0	5850.8	2934.1	2184.3	2262.3	2356.2	2396.6	2409.7	2369.2	2341.8
7928.2	35°	7185.6	6027.0	2610.5	2084.6	2171.3	2252.2	2265.2	2253.6	2206.0	2149.6
8670.7	37.5°	7730.2	6246.6	2351.9	2013.8	2086.1	2139.5	2123.6	2120.7	2125.1	2058.6
9563.5	40°	8397.7	6532.6	2162.6	1958.9	2016.7	2028.3	1983.5	2008.0	2029.7	1928.6
10542.9	42.5°	9138.8	6877.9	2042.7	1921.4	1958.9	1931.5	1862.1	1889.6	1886.7	1753.8
11526.7	45°	9894.3	7253.5	2000.8	1893.9	1905.5	1850.6	1774.0	1781.2	1720.6	1600.7
12470.1	47.5°	10645.5	7656.6	2026.8	1870.8	1839.0	1776.9	1717.7	1685.9	1596.3	1506.8
13374.4	50°	11382.3	8079.8	2122.2	1824.6	1748.0	1711.9	1668.6	1612.2	1516.9	1440.3
14229.7	52.5°	12065.6	8506.0	2229.1	1748.0	1633.9	1655.6	1628.1	1563.1	1469.2	1391.2
15038.6	55°	12712.8	8932.2	2271.0	1642.5	1527.0	1606.4	1590.5	1470.6	1358.0	1294.4
15885.2	57.5°	13417.8	9445.0	2224.7	1508.2	1440.3	1550.1	1489.4	1356.5	1291.5	1243.8
16987.5	60°	14394.3	10249.7	2125.1	1342.1	1358.0	1466.3	1362.3	1307.4	1236.6	1183.2
18640.1	62.5°	16016.7	11750.7	1964.7	1177.4	1261.2	1342.1	1301.6	1246.7	1174.5	1122.5
21465.8	65°	18414.8	13836.7	1662.8	1048.8	1152.8	1220.7	1236.6	1181.7	1106.6	1051.7
23941.9	67.5°	20437.2	15145.5	1258.3	941.9	1041.6	1122.5	1167.3	1113.8	1034.4	980.9
24521.2	70°	20326.0	14195.0	960.7	836.4	943.3	1025.7	1083.5	1041.6	956.3	905.8
22273.4	72.5°	18053.6	11874.9	777.2	729.5	843.7	924.6	993.9	962.1	875.4	826.3
16317.1	75°	13263.2	8429.4	621.2	621.2	719.4	819.1	895.7	875.4	796.0	761.3
6850.5	77.5°	5590.7	3536.5	486.8	515.7	598.1	703.5	798.9	806.1	736.8	780.1
1811.6	80°	1486.5	975.1	371.3	405.9	469.5	580.7	694.9	692.0	616.9	576.4
673.2	82.5°	566.3	384.3	264.4	286.0	339.5	444.9	550.4	567.7	492.6	426.2
264.4	85°	218.1	164.7	163.2	171.9	197.9	294.7	416.1	430.5	371.3	314.9
73.7	87.5°	56.3	49.1	60.7	57.8	91.0	157.5	238.4	247.0	226.8	131.5
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°
3991.5
3808.1
3529.2
3275.0
3121.9
3078.5
3113.2
3162.3
3162.3
3090.1
2955.7
2779.5
2575.8
2350.4
2152.5
2062.9
1931.5
1752.3
1605.0
1506.8
1434.5
1392.6
1288.6
1239.5
1180.3
1122.5
1054.6
982.4
910.1
826.3
751.2
707.9
536.0
426.2
325.0
187.8
0.0

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