

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: P849278

Luminaire Tested: **GLAN-SB6B-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30388 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

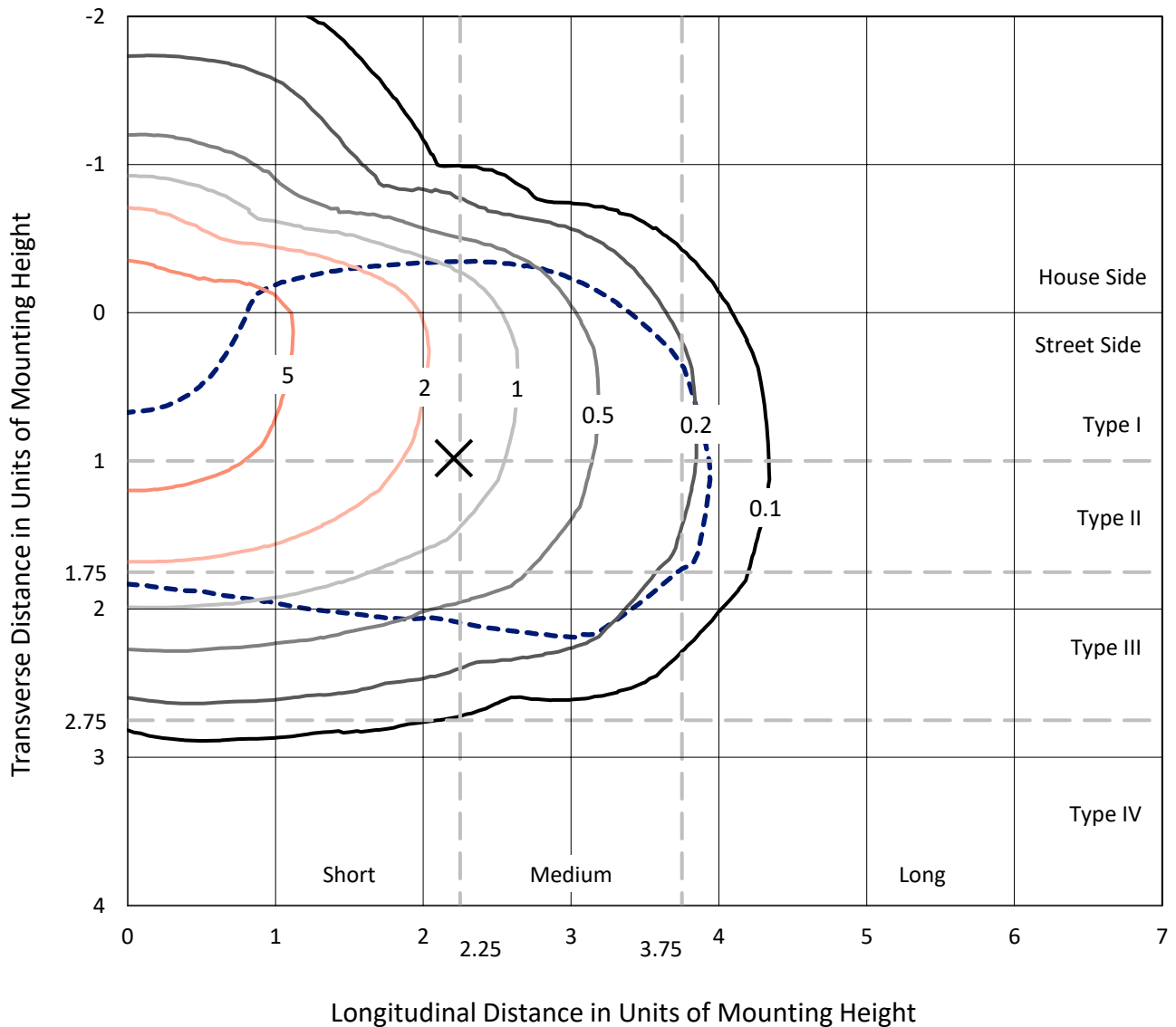
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

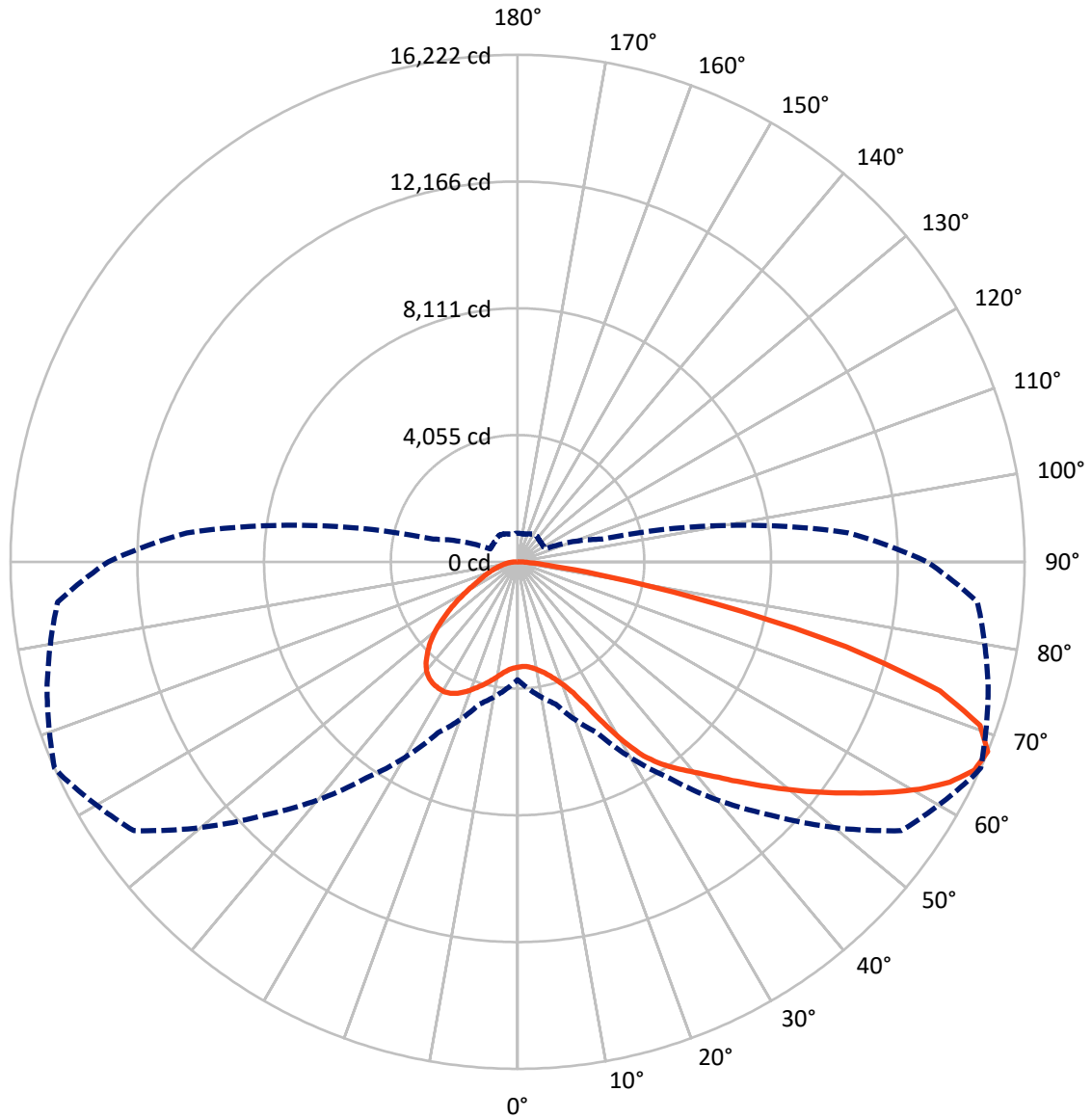
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7555.9	0.0	7555.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22832.1	0.0	22832.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	30388.0	0.0	30388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.2	1.1
10°-20°	1104.0	3.6
20°-30°	2128.0	7.0
30°-40°	3731.1	12.3
40°-50°	5546.9	18.3
50°-60°	7031.3	23.1
60°-70°	6879.9	22.6
70°-80°	3281.8	10.8
80°-90°	350.7	1.2
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°	30388.0	100.0
0°-180°	30388.0	100.0

Coefficient of Utilization

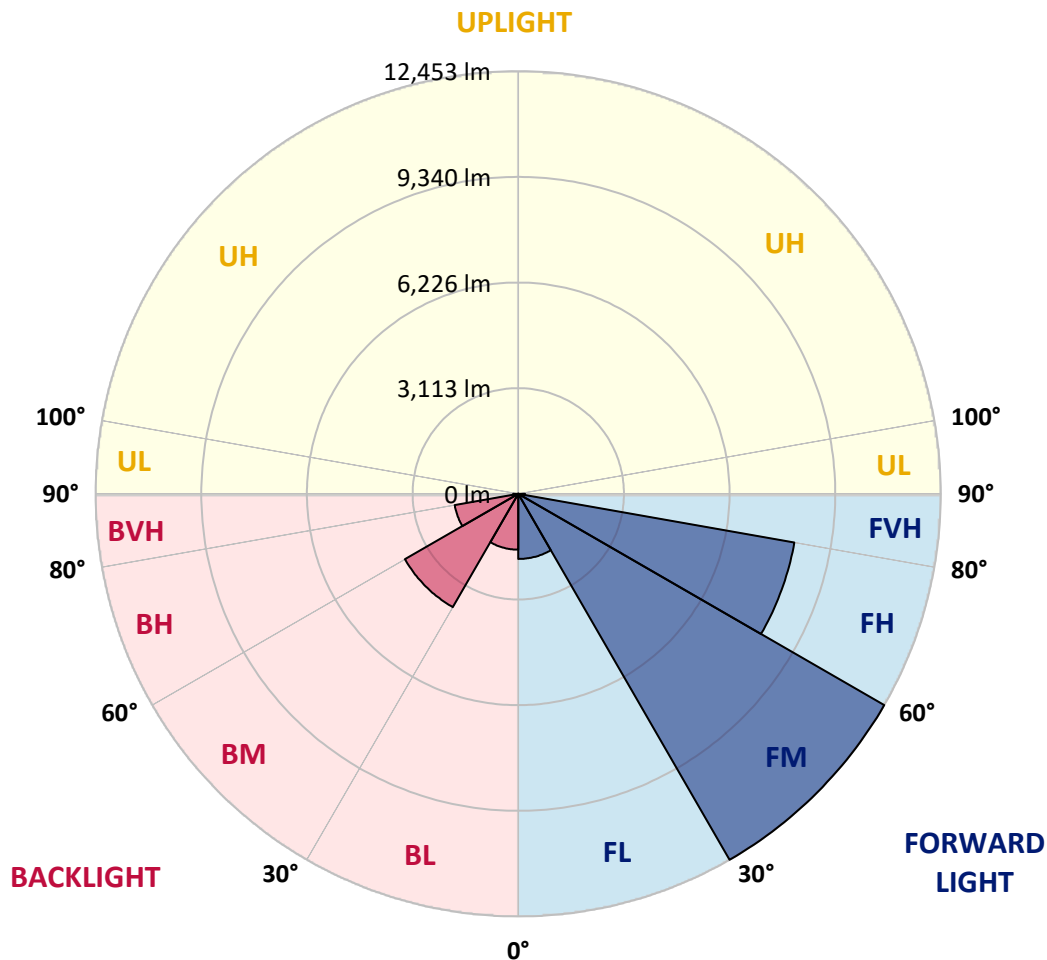


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1920.2	6.3			
FM (30°-60°)	12452.7	41.0			
FH (60°-80°)	8260.3	27.2			G4/12000
FVH (80°-90°)	198.9	0.7			G2/225
BL (0°-30°)	1645.9	5.4	B3/2500		
BM (30°-60°)	3856.6	12.7	B3/5000		
BH (60°-80°)	1901.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	151.9	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4
2.5°	3335.3	3354.5	3349.7	3341.7	3340.1	3343.3	3348.1	3352.9	3351.3	3359.3
5°	3325.7	3344.9	3343.3	3343.3	3349.7	3362.4	3370.4	3378.4	3370.4	3380.0
7.5°	3332.1	3346.5	3352.9	3359.3	3375.2	3399.2	3418.3	3435.9	3426.3	3437.5
10°	3413.5	3424.7	3431.1	3431.1	3442.3	3469.4	3488.6	3520.5	3512.5	3530.1
12.5°	3562.0	3573.2	3573.2	3566.8	3574.8	3592.4	3598.7	3633.9	3619.5	3648.2
15°	3744.0	3766.4	3748.8	3737.6	3740.8	3758.4	3756.8	3784.0	3769.6	3793.5
17.5°	3945.2	3973.9	3945.2	3943.6	3937.2	3956.4	3958.0	3981.9	3956.4	3973.9
20°	4183.1	4223.0	4199.1	4207.1	4192.7	4200.7	4208.6	4243.8	4203.9	4216.6
22.5°	4518.4	4566.3	4540.7	4571.1	4561.5	4555.1	4553.5	4615.8	4553.5	4558.3
25°	5006.9	5064.4	5019.7	5061.2	5061.2	5082.0	5105.9	5185.8	5082.0	5051.7
27.5°	5728.6	5786.1	5698.3	5723.8	5715.8	5766.9	5741.4	5939.4	5827.6	5778.1
30°	6597.2	6699.3	6533.3	6526.9	6518.9	6600.4	6637.1	6768.0	6654.6	6605.2
32.5°	7536.0	7642.9	7445.0	7387.5	7357.2	7406.6	7376.3	7481.7	7403.5	7326.8
35°	8529.1	8634.4	8446.0	8334.3	8212.9	8109.2	8000.6	8027.7	7954.3	7837.7
37.5°	9467.9	9661.1	9461.5	9341.7	9118.2	8915.4	8612.1	8485.9	8417.3	8310.3
40°	10424.2	10534.4	10382.7	10280.5	10037.8	9720.1	9234.8	8968.1	8875.5	8771.7
42.5°	11128.3	11233.7	11152.3	11082.0	10892.0	10523.2	9895.8	9562.1	9427.9	9311.4
45°	11687.1	11765.4	11714.3	11739.8	11658.4	11300.8	10580.7	10199.1	10060.2	9918.1
47.5°	11912.3	11995.3	12076.7	12228.4	12367.3	12103.9	11316.7	10888.8	10742.0	10596.7
50°	11886.7	11971.3	12207.6	12530.1	12961.2	12873.4	12092.7	11623.3	11487.6	11321.5
52.5°	11682.4	11778.1	12081.5	12618.0	13304.5	13449.8	12883.0	12381.7	12253.9	12056.0
55°	11145.9	11203.4	11658.4	12418.4	13385.9	13852.1	13657.3	13189.5	13061.8	12785.6
57.5°	10151.2	10234.2	10896.8	11880.3	13181.6	14125.2	14337.5	14038.9	13916.0	13518.4
60°	8853.2	8985.7	9744.1	10976.7	12661.1	14123.6	14955.4	14874.0	14771.8	14240.1
62.5°	7384.3	7537.6	8267.2	9699.4	11751.0	13722.8	15341.8	15573.3	15520.6	14905.9
65°	5671.1	5776.5	6503.0	8046.9	10334.8	12862.2	15386.5	16050.7	16060.2	15412.0
67.5°	3776.0	4079.3	4710.0	6038.4	8438.1	11455.6	14993.7	16128.9	16221.5	15586.0
70°	1842.5	2241.6	2859.5	3924.5	6038.4	9298.6	13967.1	15487.1	15693.0	15078.3
72.5°	764.8	894.1	1231.0	1936.7	3466.2	6274.7	11904.3	13746.8	14128.3	13360.4
75°	515.7	558.8	704.1	993.1	1579.0	3094.2	8584.9	10250.2	10864.9	10090.5
77.5°	397.6	424.7	512.5	694.5	938.8	1170.3	4595.0	6177.3	6495.0	6012.8
80°	312.9	333.7	383.2	506.1	665.8	625.9	1566.3	2798.8	2982.5	2501.9
82.5°	271.4	279.4	274.6	343.3	442.3	365.6	514.1	1033.0	1140.0	827.0
85°	196.4	218.7	228.3	212.3	234.7	185.2	210.8	365.6	402.3	359.2
87.5°	79.8	118.1	145.3	137.3	86.2	52.7	65.5	107.0	122.9	134.1
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°
3370.4	0°	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4	3370.4
3372.0	2.5°	3373.6	3384.8	3392.8	3402.4	3408.7	3418.3	3437.5	3448.7	3450.3	3458.2
3397.6	5°	3404.0	3419.9	3437.5	3463.0	3491.8	3515.7	3552.4	3578.0	3587.6	3595.6
3459.8	7.5°	3469.4	3491.8	3523.7	3568.4	3609.9	3641.9	3686.6	3716.9	3747.2	3758.4
3558.8	10°	3566.8	3598.7	3645.0	3705.7	3750.4	3791.9	3838.2	3863.8	3894.1	3906.9
3677.0	12.5°	3688.2	3721.7	3782.4	3867.0	3908.5	3937.2	3953.2	3946.8	3953.2	3964.4
3819.1	15°	3827.1	3863.8	3932.4	4023.4	4052.2	4026.6	3991.5	3959.6	3954.8	3958.0
3991.5	17.5°	3991.5	4018.7	4098.5	4175.1	4154.4	4049.0	3972.4	3921.3	3895.7	3887.7
4211.8	20°	4221.4	4221.4	4286.9	4334.8	4195.9	4017.1	3897.3	3814.3	3761.6	3739.2
4512.0	22.5°	4500.8	4475.3	4516.8	4483.3	4187.9	3927.6	3761.6	3617.9	3538.1	3506.1
4931.9	25°	4855.3	4824.9	4813.8	4606.2	4130.4	3785.5	3515.7	3341.7	3271.4	3253.9
5537.0	27.5°	5390.1	5313.5	5168.2	4673.3	4025.0	3562.0	3228.3	3067.1	3027.2	3028.8
6314.6	30°	6102.2	5948.9	5592.9	4684.4	3852.6	3245.9	2934.6	2819.6	2800.4	2808.4
6967.6	32.5°	6761.6	6616.3	6027.2	4633.3	3587.6	2936.2	2671.1	2594.5	2565.7	2575.3
7465.7	35°	7278.9	7239.0	6429.5	4561.5	3261.9	2645.6	2434.8	2369.4	2313.5	2300.7
7935.1	37.5°	7767.5	7751.5	6731.3	4460.9	2939.3	2439.6	2244.8	2158.6	2077.2	2032.5
8454.0	40°	8303.9	8288.0	6929.3	4306.0	2653.6	2260.8	2074.0	1960.6	1860.0	1778.6
9041.6	42.5°	8907.5	8813.3	7023.5	4084.1	2410.9	2109.1	1935.1	1781.8	1649.3	1574.3
9705.8	45°	9566.9	9354.5	7021.9	3801.5	2206.5	1970.2	1786.6	1569.5	1446.5	1376.3
10387.5	47.5°	10266.2	9871.8	6935.6	3488.6	2008.5	1816.9	1556.7	1390.6	1309.2	1266.1
11128.3	50°	10987.8	10355.6	6788.8	3129.3	1805.8	1642.9	1413.0	1299.6	1237.4	1197.5
11862.8	52.5°	11666.4	10794.6	6611.5	2722.2	1599.8	1473.7	1349.1	1261.3	1195.9	1151.2
12574.9	55°	12297.0	11173.0	6360.9	2305.5	1432.2	1360.3	1318.8	1245.4	1170.3	1117.6
13298.1	57.5°	12857.5	11418.9	5928.2	1914.3	1312.4	1282.1	1286.9	1218.2	1132.0	1087.3
14010.2	60°	13323.7	11599.3	5288.0	1551.9	1215.0	1205.4	1237.4	1167.1	1066.5	1015.4
14612.1	62.5°	13603.1	11596.1	4502.4	1270.9	1132.0	1135.2	1171.9	1103.3	1001.1	953.2
14926.6	65°	13579.1	11311.9	3640.3	1087.3	1052.2	1055.4	1103.3	1033.0	946.8	918.0
14768.6	67.5°	13098.5	10619.0	2792.5	967.5	964.3	978.7	1034.6	985.1	913.3	910.1
13826.6	70°	11797.3	9180.5	2011.7	871.7	873.3	894.1	967.5	954.8	895.7	902.1
11624.9	72.5°	9459.9	6999.5	1350.7	771.2	772.8	806.3	903.7	930.8	878.1	962.8
8248.1	75°	6300.2	4365.1	868.6	664.2	665.8	708.9	847.8	884.5	830.2	959.6
4291.7	77.5°	3027.2	1962.2	629.1	558.8	558.8	598.7	732.8	791.9	707.3	745.6
1379.5	80°	1045.8	737.6	494.9	450.2	440.7	467.8	617.9	686.5	609.9	562.0
450.2	82.5°	411.9	383.2	397.6	349.7	317.7	335.3	480.6	566.8	448.6	405.5
253.9	85°	236.3	249.1	281.0	231.5	183.6	206.0	352.8	407.1	338.5	298.6
83.0	87.5°	63.9	87.8	129.3	119.7	83.0	87.8	167.6	225.1	194.8	150.1
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°
3370.4
3456.6
3594.0
3760.0
3913.3
3967.6
3969.2
3898.9
3734.5
3501.4
3257.1
3033.5
2835.6
2588.1
2310.3
2034.1
1786.6
1579.0
1373.1
1256.5
1183.1
1132.0
1096.9
1058.5
993.1
938.8
916.5
914.9
900.5
975.5
967.5
683.3
526.9
403.9
305.0
154.9
0.0

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