

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: P849336

Luminaire Tested: **GLAN-SB6B-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849336
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-SB6B-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26977 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

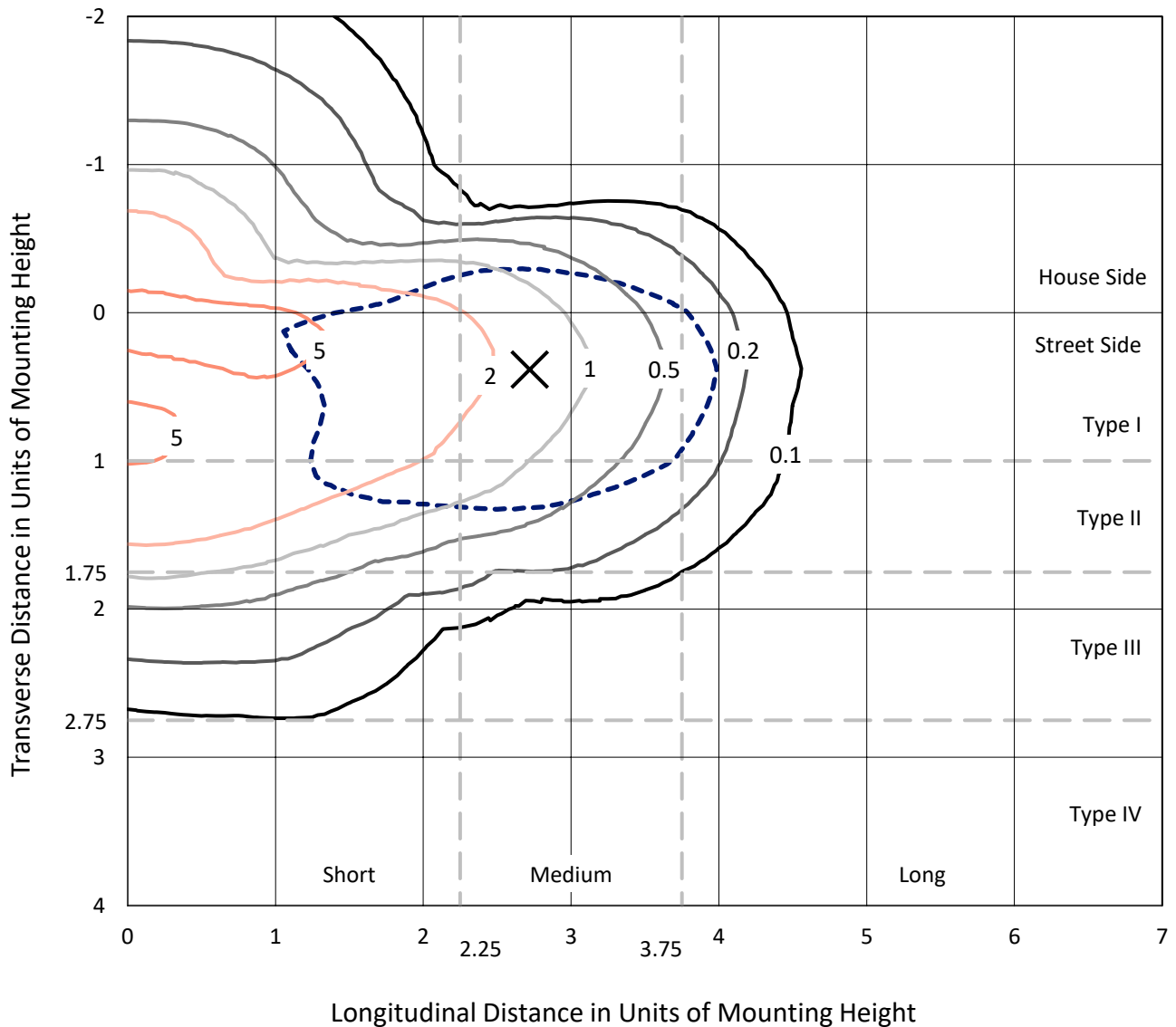
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

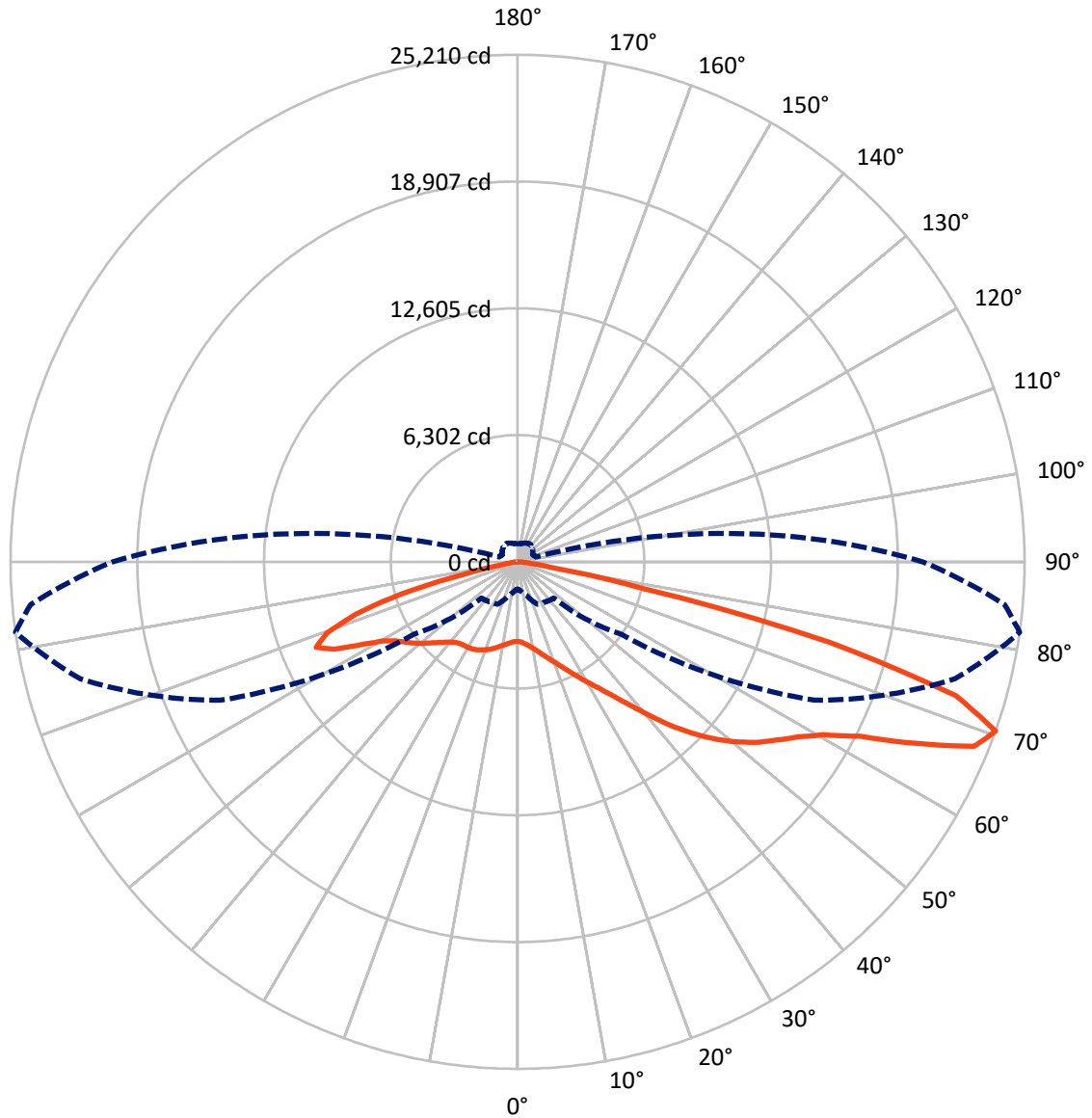
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	6650.5	0.0	6650.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	20326.5	0.0	20326.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	26977.0	0.0	26977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.4	1.4
10°-20°	1072.9	4.0
20°-30°	1794.9	6.7
30°-40°	2804.0	10.4
40°-50°	4465.8	16.6
50°-60°	6214.7	23.0
60°-70°	6500.8	24.1
70°-80°	3397.7	12.6
80°-90°	352.8	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°	26977.0	100.0
0°-180°	26977.0	100.0

Coefficient of Utilization

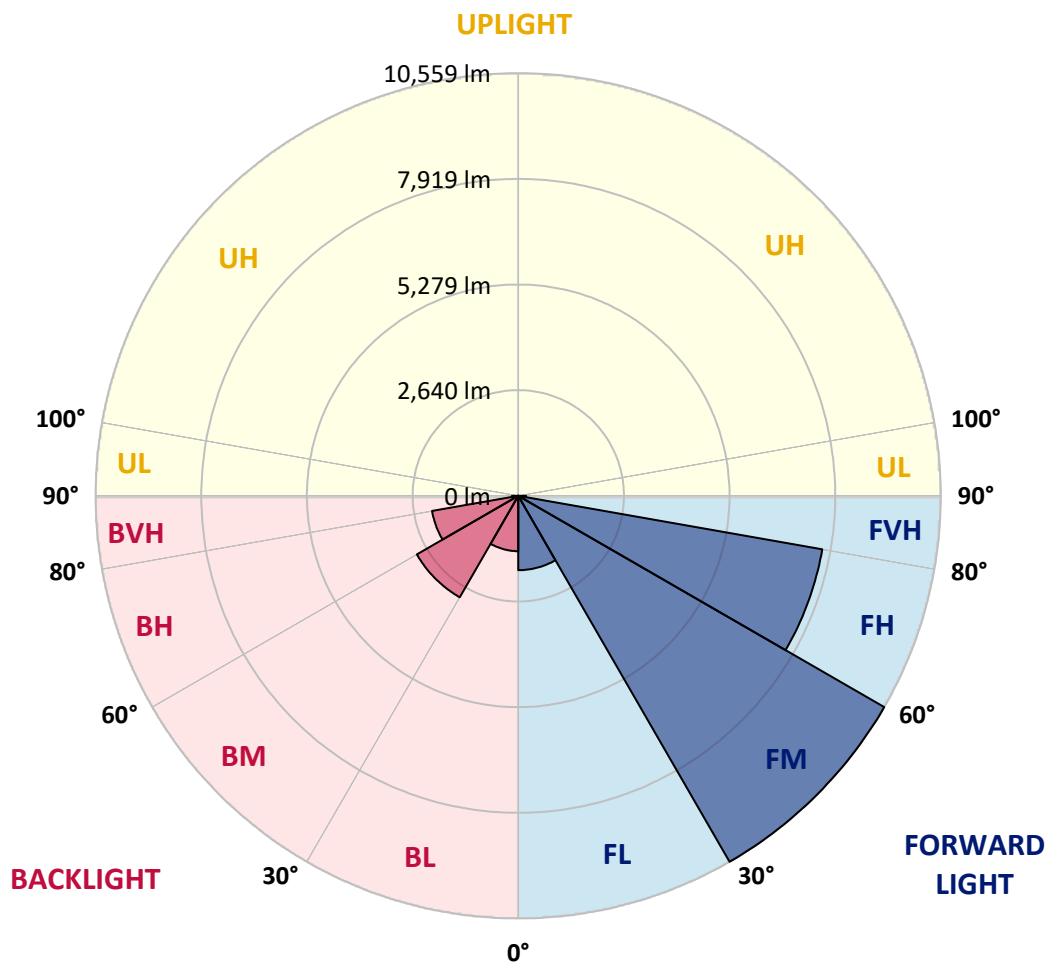


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1857.7	6.9			
FM (30°-60°)	10558.5	39.1			
FH (60°-80°)	7712.8	28.6			G4/12000
FVH (80°-90°)	197.5	0.7			G2/225
BL (0°-30°)	1383.5	5.1	B3/2500		
BM (30°-60°)	2926.0	10.8	B3/5000		
BH (60°-80°)	2185.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	155.3	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°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	4049.6	4072.5	4065.4	4058.2	4058.2	4048.2	4046.8	4032.5	4021.0	4002.4
5°	4101.2	4125.5	4122.6	4128.4	4147.0	4151.3	4155.6	4147.0	4124.1	4101.2
7.5°	4055.4	4082.6	4091.2	4125.5	4182.8	4234.3	4273.0	4288.7	4267.2	4234.3
10°	3900.8	3930.8	3960.9	4042.5	4144.1	4265.8	4368.9	4430.4	4426.1	4394.6
12.5°	3587.3	3618.8	3683.2	3842.1	4028.2	4242.9	4434.7	4563.5	4607.9	4585.0
15°	3336.8	3364.0	3412.6	3575.8	3817.7	4144.1	4459.0	4709.6	4822.6	4809.8
17.5°	3329.6	3341.1	3371.1	3448.4	3634.5	3989.5	4433.3	4852.7	5068.9	5067.4
20°	3455.6	3459.9	3477.1	3492.8	3598.7	3872.1	4367.4	4971.5	5345.1	5345.1
22.5°	3630.2	3627.4	3644.5	3630.2	3681.8	3862.1	4325.9	5076.0	5652.9	5675.8
25°	3892.2	3877.9	3873.6	3840.6	3850.7	3955.2	4371.7	5194.8	6017.9	6065.2
27.5°	4241.5	4218.6	4202.8	4126.9	4101.2	4147.0	4512.0	5338.0	6424.5	6506.1
30°	4696.7	4655.2	4632.3	4500.6	4407.5	4414.7	4723.9	5528.4	6849.6	6981.3
32.5°	5317.9	5253.5	5192.0	4975.8	4805.5	4749.6	4997.3	5791.7	7310.5	7521.0
35°	6013.6	5962.1	5896.2	5562.7	5300.8	5171.9	5366.6	6159.6	7850.2	8183.7
37.5°	6683.6	6639.2	6670.7	6221.2	5883.4	5695.8	5850.4	6653.5	8515.8	9008.3
40°	7376.4	7342.0	7346.3	6916.9	6523.2	6312.8	6437.3	7273.3	9278.8	9988.8
42.5°	8129.3	8103.6	8017.7	7636.9	7194.6	6998.5	7113.0	7989.1	10097.6	11105.4
45°	8972.5	8956.7	8876.6	8440.0	7933.2	7712.8	7867.4	8779.2	10920.7	12156.1
47.5°	9701.1	9714.0	9704.0	9336.1	8810.7	8487.2	8671.9	9603.8	11686.6	13143.8
50°	10051.8	10119.1	10217.9	10103.4	9777.0	9447.7	9483.5	10399.7	12416.6	14070.0
52.5°	9868.6	9996.0	10265.1	10448.3	10574.3	10505.6	10409.7	11189.8	13103.7	14905.9
55°	9185.8	9364.7	9811.3	10253.7	10896.4	11396.0	11521.9	12065.9	13773.7	15641.7
57.5°	7941.8	8232.4	8633.2	9527.9	10610.1	11826.8	12818.9	13281.2	14483.7	16427.6
60°	5808.9	6198.3	6696.4	8027.7	9608.1	11596.4	13922.5	15147.9	15492.9	17445.4
62.5°	3717.5	3958.0	4416.1	5670.1	7486.6	10415.4	14260.4	17481.2	17203.5	19114.5
65°	2545.2	2699.8	3119.2	3823.5	4839.8	7752.9	13355.7	19230.4	19920.4	21759.9
67.5°	1849.5	1966.8	2324.7	2941.7	3153.5	4587.9	10363.9	19150.3	22561.5	24485.4
70°	1348.4	1431.5	1732.1	2324.7	2426.4	2552.3	6278.4	16278.7	22504.2	25209.7
72.5°	999.2	1056.4	1258.3	1803.7	1964.0	1723.5	3107.7	11831.1	19337.8	22802.0
75°	722.9	765.8	914.7	1379.9	1571.8	1312.7	1550.3	6914.0	13488.8	16039.7
77.5°	552.5	585.5	682.8	1010.6	1258.3	984.9	962.0	3180.7	6395.8	6427.3
80°	443.8	465.2	518.2	711.4	964.8	737.2	627.0	1284.0	2021.2	1710.6
82.5°	326.4	362.2	438.0	499.6	690.0	508.2	382.2	648.5	768.7	661.3
85°	186.1	210.4	264.8	357.9	440.9	310.6	219.0	287.7	357.9	293.5
87.5°	65.8	85.9	93.0	140.3	191.8	128.8	84.5	83.0	117.4	87.3
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°
3955.2	0°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
3998.1	2.5°	3983.8	3976.6	3948.0	3909.4	3869.3	3830.6	3817.7	3790.5	3771.9	3761.9
4091.2	5°	4064.0	4041.1	3973.8	3887.9	3797.7	3700.4	3631.7	3568.7	3522.9	3479.9
4218.6	7.5°	4178.5	4138.4	4022.4	3872.1	3711.8	3550.1	3429.8	3338.2	3276.6	3236.6
4367.4	10°	4311.6	4250.0	4072.5	3847.8	3600.2	3368.3	3226.5	3147.8	3109.2	3087.7
4537.8	12.5°	4464.8	4377.5	4124.1	3792.0	3429.8	3165.0	3067.7	3044.7	3046.2	3047.6
4752.5	15°	4653.7	4532.0	4165.6	3670.3	3207.9	3009.0	2991.8	3029.0	3067.7	3086.3
4995.8	17.5°	4867.0	4695.2	4172.7	3469.9	2990.4	2908.8	2963.2	3043.3	3102.0	3127.8
5267.8	20°	5096.1	4861.3	4121.2	3186.5	2811.4	2827.2	2924.5	3027.6	3092.0	3124.9
5578.5	22.5°	5358.0	5038.8	3998.1	2888.7	2665.4	2738.4	2852.9	2953.1	3020.4	3053.3
5943.5	25°	5657.2	5237.8	3804.9	2638.2	2539.4	2638.2	2752.7	2835.8	2890.1	2920.2
6351.5	27.5°	5989.3	5445.3	3547.2	2439.2	2429.2	2535.1	2629.6	2694.0	2722.7	2745.6
6785.2	30°	6322.8	5634.3	3235.1	2288.9	2333.3	2433.5	2500.8	2529.4	2538.0	2542.3
7269.0	32.5°	6683.6	5797.5	2907.3	2164.4	2241.7	2334.7	2374.8	2387.7	2347.6	2320.4
7855.9	35°	7120.2	5972.1	2586.7	2065.6	2151.5	2231.7	2244.6	2233.1	2185.9	2130.0
8591.7	37.5°	7659.8	6189.7	2330.4	1995.5	2067.0	2120.0	2104.3	2101.4	2105.7	2039.9
9476.4	40°	8321.2	6473.1	2142.9	1941.1	1998.3	2009.8	1965.4	1989.8	2011.2	1911.0
10446.9	42.5°	9055.5	6815.3	2024.1	1903.9	1941.1	1913.9	1845.2	1872.4	1869.5	1737.8
11421.7	45°	9804.2	7187.4	1982.6	1876.7	1888.1	1833.7	1757.9	1765.0	1704.9	1586.1
12356.5	47.5°	10548.5	7586.8	2008.4	1853.8	1822.3	1760.7	1702.0	1670.5	1581.8	1493.0
13252.6	50°	11278.6	8006.2	2102.8	1808.0	1732.1	1696.3	1653.4	1597.5	1503.0	1427.2
14100.0	52.5°	11955.7	8428.5	2208.8	1732.1	1619.0	1640.5	1613.3	1548.9	1455.8	1378.5
14901.7	55°	12597.0	8850.8	2250.3	1627.6	1513.1	1591.8	1576.1	1457.2	1345.6	1282.6
15740.5	57.5°	13295.5	9359.0	2204.5	1494.5	1427.2	1536.0	1475.9	1344.2	1279.7	1232.5
16832.7	60°	14263.2	10156.3	2105.7	1329.8	1345.6	1452.9	1349.9	1295.5	1225.3	1172.4
18470.3	62.5°	15870.8	11643.6	1946.8	1166.7	1249.7	1329.8	1289.8	1235.4	1163.8	1112.3
21270.3	65°	18247.0	13710.7	1647.6	1039.3	1142.3	1209.6	1225.3	1170.9	1096.5	1042.1
23723.8	67.5°	20251.1	15007.6	1246.8	933.3	1032.1	1112.3	1156.6	1103.7	1024.9	972.0
24297.9	70°	20140.9	14065.7	951.9	828.8	934.8	1016.3	1073.6	1032.1	947.6	897.5
22070.5	72.5°	17889.1	11766.7	770.1	722.9	836.0	916.1	984.9	953.4	867.5	818.8
16168.5	75°	13142.4	8352.7	615.5	615.5	712.9	811.6	887.5	867.5	788.7	754.4
6788.1	77.5°	5539.8	3504.3	482.4	511.0	592.6	697.1	791.6	798.8	730.1	773.0
1795.1	80°	1473.0	966.2	367.9	402.2	465.2	575.5	688.5	685.7	611.2	571.2
667.1	82.5°	561.1	380.8	262.0	283.4	336.4	440.9	545.4	562.6	488.1	422.3
262.0	85°	216.2	163.2	161.8	170.3	196.1	292.0	412.3	426.6	367.9	312.1
73.0	87.5°	55.8	48.7	60.1	57.3	90.2	156.0	236.2	244.8	224.7	130.3
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°
3955.2
3773.4
3497.1
3245.2
3093.4
3050.5
3084.8
3133.5
3133.5
3061.9
2928.8
2754.2
2552.3
2329.0
2132.9
2044.1
1913.9
1736.4
1590.4
1493.0
1421.5
1379.9
1276.9
1228.2
1169.5
1112.3
1045.0
973.4
901.8
818.8
744.4
701.4
531.1
422.3
322.1
186.1
0.0

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