

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: P850286

Luminaire Tested: **GLAN-SB7D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850286
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-SB7D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56073 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

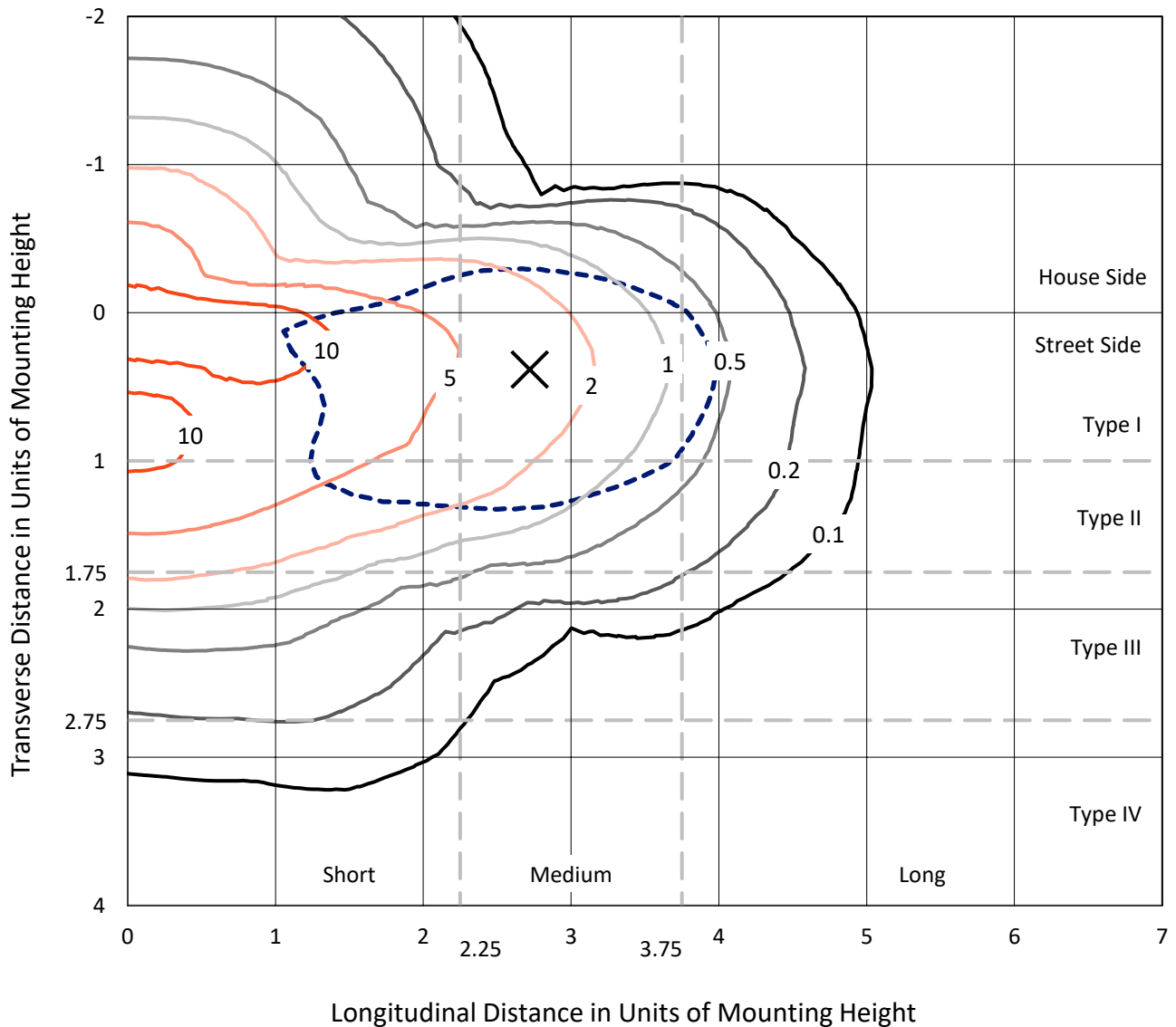
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

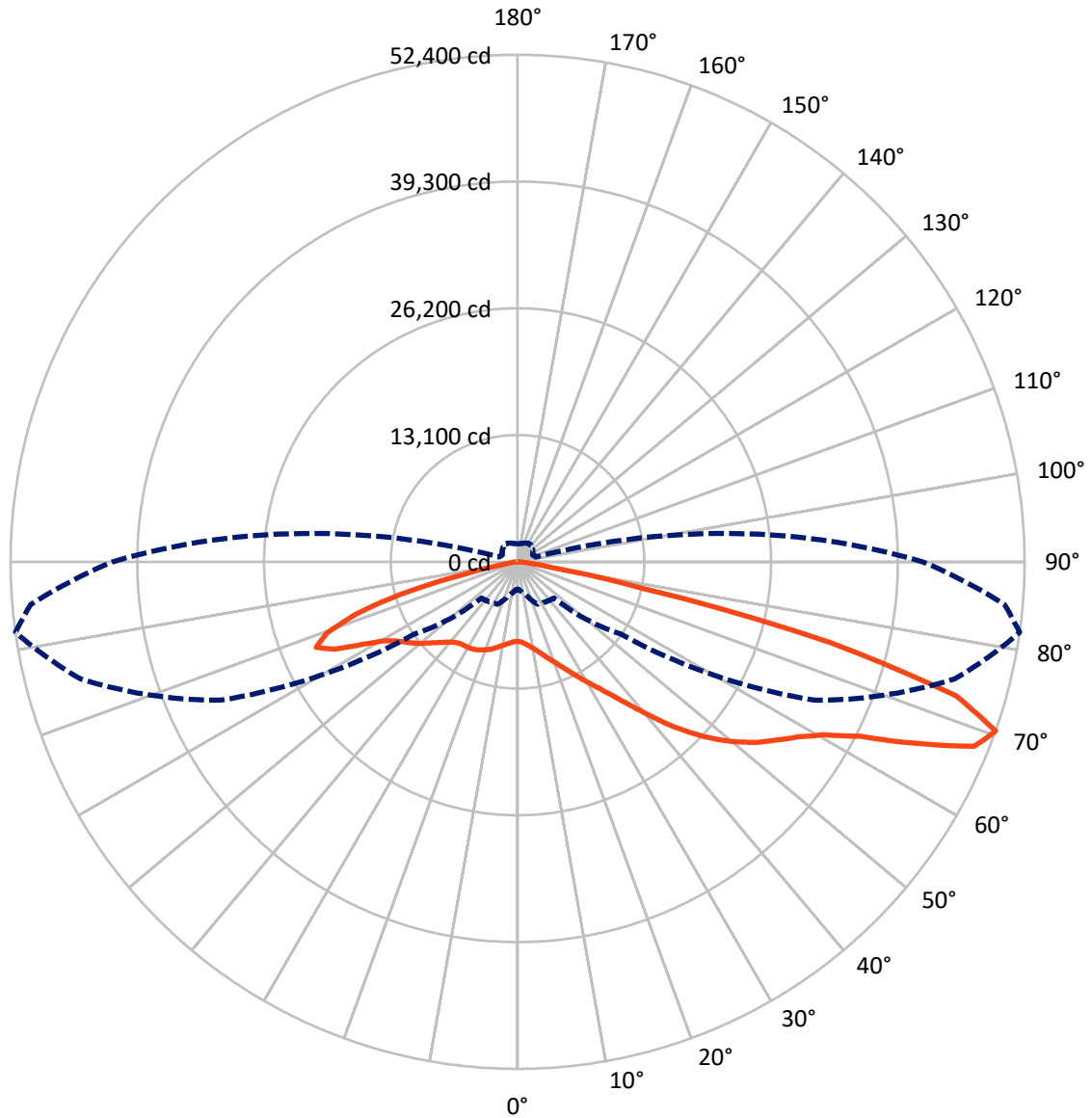
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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	13823.4	0.0	13823.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	42249.6	0.0	42249.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	56073.0	0.0	56073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.2	1.4
10°-20°	2230.1	4.0
20°-30°	3730.7	6.7
30°-40°	5828.3	10.4
40°-50°	9282.3	16.6
50°-60°	12917.5	23.0
60°-70°	13512.3	24.1
70°-80°	7062.2	12.6
80°-90°	733.3	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°	56073.0	100.0
0°-180°	56073.0	100.0

Coefficient of Utilization



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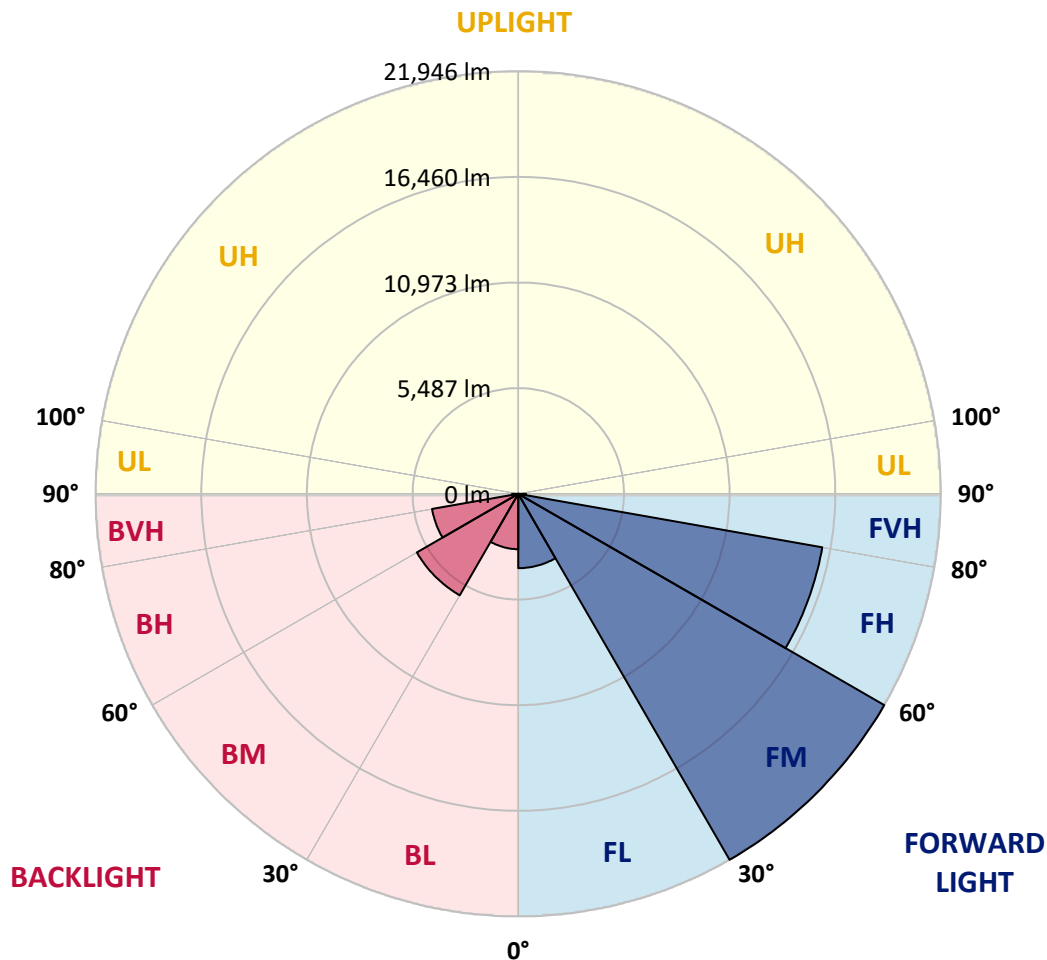
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3861.2	6.9			
FM (30°-60°)	21946.4	39.1			
FH (60°-80°)	16031.4	28.6			G5
FVH (80°-90°)	410.5	0.7			G3/500
BL (0°-30°)	2875.8	5.1	B4/5000		
BM (30°-60°)	6081.7	10.8	B4/8500		
BH (60°-80°)	4543.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	322.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0
2.5°	8417.4	8465.0	8450.1	8435.2	8435.2	8414.4	8411.4	8381.7	8357.9	8319.2
5°	8524.5	8575.1	8569.1	8581.0	8619.7	8628.6	8637.6	8619.7	8572.1	8524.5
7.5°	8429.3	8485.8	8503.7	8575.1	8694.1	8801.2	8881.5	8914.3	8869.6	8801.2
10°	8107.9	8170.4	8232.9	8402.5	8613.8	8866.7	9080.9	9208.8	9199.9	9134.4
12.5°	7456.3	7521.8	7655.7	7985.9	8372.7	8819.1	9217.8	9485.5	9577.8	9530.2
15°	6935.6	6992.2	7093.3	7432.5	7935.4	8613.8	9268.3	9789.0	10024.1	9997.3
17.5°	6920.8	6944.6	7007.0	7167.7	7554.5	8292.4	9214.8	10086.6	10535.9	10532.9
20°	7182.6	7191.5	7227.2	7260.0	7480.1	8048.4	9077.9	10333.5	11110.1	11110.1
22.5°	7545.6	7539.6	7575.3	7545.6	7652.7	8027.6	8991.6	10550.7	11749.8	11797.4
25°	8090.1	8060.3	8051.4	7983.0	8003.8	8221.0	9086.8	10797.7	12508.5	12606.7
27.5°	8816.1	8768.5	8735.7	8578.0	8524.5	8619.7	9378.4	11095.2	13353.6	13523.1
30°	9762.3	9676.0	9628.4	9354.6	9161.2	9176.1	9818.8	11491.0	14237.2	14511.0
32.5°	11053.6	10919.7	10791.7	10342.5	9988.4	9872.3	10387.1	12038.4	15195.3	15632.7
35°	12499.6	12392.5	12255.6	11562.4	11017.9	10750.1	11154.7	12803.1	16317.0	17010.3
37.5°	13892.1	13799.9	13865.3	12931.0	12228.9	11839.1	12160.4	13829.6	17700.6	18724.1
40°	15332.2	15260.8	15269.7	14377.1	13558.9	13121.5	13380.3	15118.0	19286.5	20762.3
42.5°	16897.2	16843.7	16665.2	15873.7	14954.3	14546.7	14784.7	16605.7	20988.4	23083.1
45°	18649.7	18617.0	18450.4	17542.9	16489.6	16031.4	16352.7	18248.1	22699.3	25267.0
47.5°	20164.2	20191.0	20170.2	19405.5	18313.5	17641.1	18024.9	19961.9	24291.1	27320.0
50°	20893.2	21033.0	21238.3	21000.3	20321.9	19637.6	19712.0	21616.2	25808.5	29245.1
52.5°	20512.3	20777.1	21336.5	21717.4	21979.2	21836.4	21637.0	23258.6	27236.7	30982.7
55°	19093.1	19465.0	20393.3	21312.7	22648.7	23687.1	23948.9	25079.6	28629.2	32512.1
57.5°	16507.5	17111.5	17944.6	19804.2	22053.6	24582.7	26644.6	27605.7	30105.0	34145.6
60°	12074.1	12883.4	13918.9	16686.0	19970.8	24103.6	28938.6	31485.6	32202.6	36261.1
62.5°	7727.1	8227.0	9179.1	11785.5	15561.3	21648.9	29640.8	36335.5	35758.2	39730.4
65°	5290.2	5611.6	6483.4	7947.3	10059.8	16114.7	27760.4	39971.4	41405.5	45228.9
67.5°	3844.2	4088.2	4832.0	6114.4	6554.8	9536.1	21541.8	39804.8	46895.1	50894.0
70°	2802.8	2975.4	3600.2	4832.0	5043.3	5305.1	13050.1	33836.1	46776.1	52399.6
72.5°	2076.8	2195.8	2615.4	3749.0	4082.2	3582.4	6459.6	24591.6	40194.5	47395.0
75°	1502.6	1591.8	1901.3	2868.3	3267.0	2728.4	3222.3	14371.1	28037.1	33339.2
77.5°	1148.5	1216.9	1419.3	2100.6	2615.4	2047.1	1999.5	6611.3	13294.0	13359.5
80°	922.4	967.0	1077.1	1478.8	2005.4	1532.3	1303.2	2668.9	4201.3	3555.6
82.5°	678.4	752.8	910.5	1038.4	1434.1	1056.3	794.4	1347.9	1597.8	1374.6
85°	386.8	437.4	550.4	743.8	916.4	645.7	455.2	598.1	743.8	610.0
87.5°	136.9	178.5	193.4	291.6	398.7	267.8	175.5	172.6	244.0	181.5
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°
8221.0	0°	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0	8221.0
8310.3	2.5°	8280.5	8265.6	8206.1	8125.8	8042.5	7962.1	7935.4	7878.8	7840.2	7819.3
8503.7	5°	8447.1	8399.5	8259.7	8081.2	7893.7	7691.4	7548.6	7417.6	7322.4	7233.2
8768.5	7.5°	8685.2	8601.9	8360.8	8048.4	7715.2	7379.0	7129.0	6938.6	6810.7	6727.4
9077.9	10°	8961.9	8833.9	8465.0	7997.8	7483.1	7001.1	6706.5	6542.9	6462.5	6417.9
9432.0	12.5°	9280.2	9098.7	8572.1	7881.8	7129.0	6578.6	6376.3	6328.7	6331.6	6334.6
9878.3	15°	9673.0	9420.1	8658.4	7628.9	6667.8	6254.3	6218.6	6295.9	6376.3	6414.9
10384.1	17.5°	10116.3	9759.3	8673.3	7212.3	6215.6	6046.0	6159.1	6325.7	6447.7	6501.2
10949.4	20°	10592.4	10104.4	8566.1	6623.2	5843.7	5876.4	6078.7	6293.0	6426.8	6495.3
11595.1	22.5°	11136.9	10473.4	8310.3	6004.3	5540.2	5691.9	5930.0	6138.2	6278.1	6346.5
12353.8	25°	11758.7	10887.0	7908.6	5483.6	5278.3	5483.6	5721.7	5894.2	6007.3	6069.8
13201.8	27.5°	12449.0	11318.4	7373.0	5070.1	5049.2	5269.4	5465.8	5599.7	5659.2	5706.8
14103.3	30°	13142.3	11711.1	6724.4	4757.6	4849.9	5058.2	5198.0	5257.5	5275.4	5284.3
15109.0	32.5°	13892.1	12050.3	6043.0	4498.8	4659.5	4852.9	4936.2	4963.0	4879.6	4823.1
16328.9	35°	14799.6	12413.3	5376.5	4293.5	4472.0	4638.6	4665.4	4641.6	4543.4	4427.4
17858.3	37.5°	15921.3	12865.6	4843.9	4147.7	4296.5	4406.6	4373.8	4367.9	4376.8	4239.9
19697.1	40°	17295.9	13454.7	4454.2	4034.6	4153.6	4177.4	4085.2	4135.8	4180.4	3972.1
21714.4	42.5°	18822.3	14165.8	4207.2	3957.3	4034.6	3978.1	3835.3	3891.8	3885.9	3612.1
23740.6	45°	20378.4	14939.4	4120.9	3900.7	3924.5	3811.5	3653.8	3668.7	3543.7	3296.7
25683.6	47.5°	21925.6	15769.6	4174.5	3853.1	3787.7	3659.7	3537.7	3472.3	3287.8	3103.3
27546.2	50°	23443.1	16641.4	4370.8	3757.9	3600.2	3525.8	3436.6	3320.5	3124.2	2966.5
29307.6	52.5°	24850.5	17519.1	4591.0	3600.2	3365.2	3409.8	3353.3	3219.4	3026.0	2865.3
30973.8	55°	26183.4	18396.8	4677.3	3383.0	3145.0	3308.6	3275.9	3028.9	2796.9	2665.9
32717.4	57.5°	27635.4	19453.1	4582.1	3106.3	2966.5	3192.6	3067.6	2793.9	2660.0	2561.8
34987.6	60°	29646.8	21110.4	4376.8	2764.1	2796.9	3020.0	2805.8	2692.7	2546.9	2436.8
38391.5	62.5°	32988.2	24201.8	4046.5	2424.9	2597.5	2764.1	2680.8	2567.8	2419.0	2311.9
44211.3	65°	37927.3	28498.3	3424.7	2160.1	2374.4	2514.2	2546.9	2433.9	2279.1	2166.1
49311.1	67.5°	42092.8	31194.0	2591.6	1940.0	2145.3	2311.9	2404.1	2294.0	2130.4	2020.3
50504.3	70°	41863.7	29236.2	1978.6	1722.8	1942.9	2112.5	2231.5	2145.3	1969.7	1865.6
45874.6	72.5°	37183.5	24457.7	1600.8	1502.6	1737.6	1904.2	2047.1	1981.6	1803.1	1701.9
33607.0	75°	27317.1	17361.4	1279.4	1279.4	1481.7	1687.0	1844.7	1803.1	1639.4	1568.0
14109.3	77.5°	11514.8	7283.8	1002.7	1062.2	1231.8	1449.0	1645.4	1660.3	1517.4	1606.7
3731.1	80°	3061.7	2008.4	764.7	836.1	967.0	1196.1	1431.2	1425.2	1270.5	1187.2
1386.5	82.5°	1166.4	791.5	544.5	589.1	699.2	916.4	1133.6	1169.3	1014.6	877.7
544.5	85°	449.3	339.2	336.2	354.1	407.6	607.0	856.9	886.7	764.7	648.6
151.7	87.5°	116.0	101.2	125.0	119.0	187.4	324.3	490.9	508.8	467.1	270.8
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°
8221.0
7843.1
7268.9
6745.2
6429.8
6340.6
6412.0
6513.1
6513.1
6364.4
6087.6
5724.7
5305.1
4841.0
4433.3
4248.9
3978.1
3609.1
3305.7
3103.3
2954.6
2868.3
2654.0
2552.9
2430.9
2311.9
2172.0
2023.3
1874.5
1701.9
1547.2
1457.9
1103.9
877.7
669.5
386.8
0.0

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