

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: P850136

Luminaire Tested: **GLAN-SB7C-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850136
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-SB7C-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50977 lumens
Efficiency: N/A
Efficacy: 145.4 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

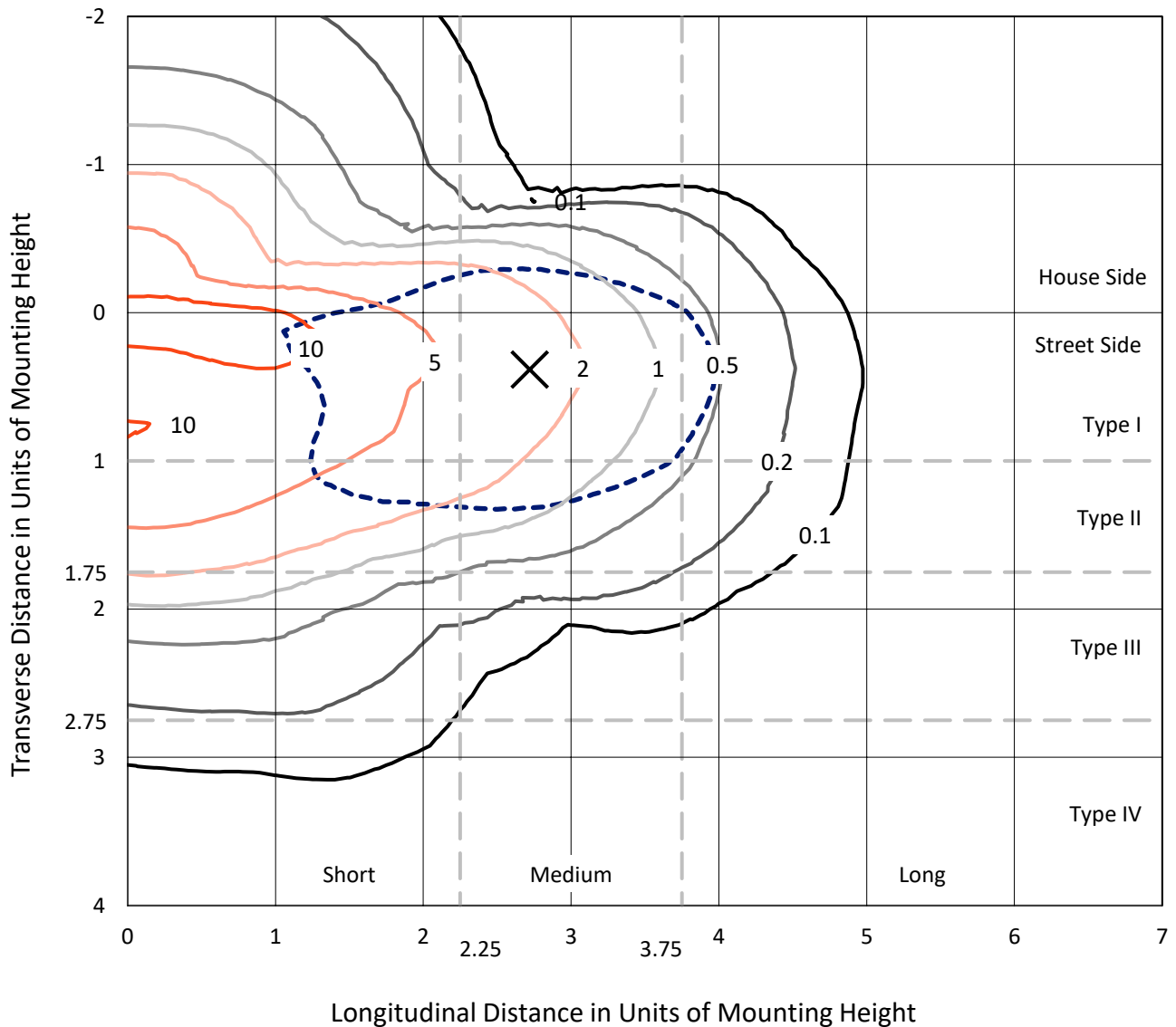
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

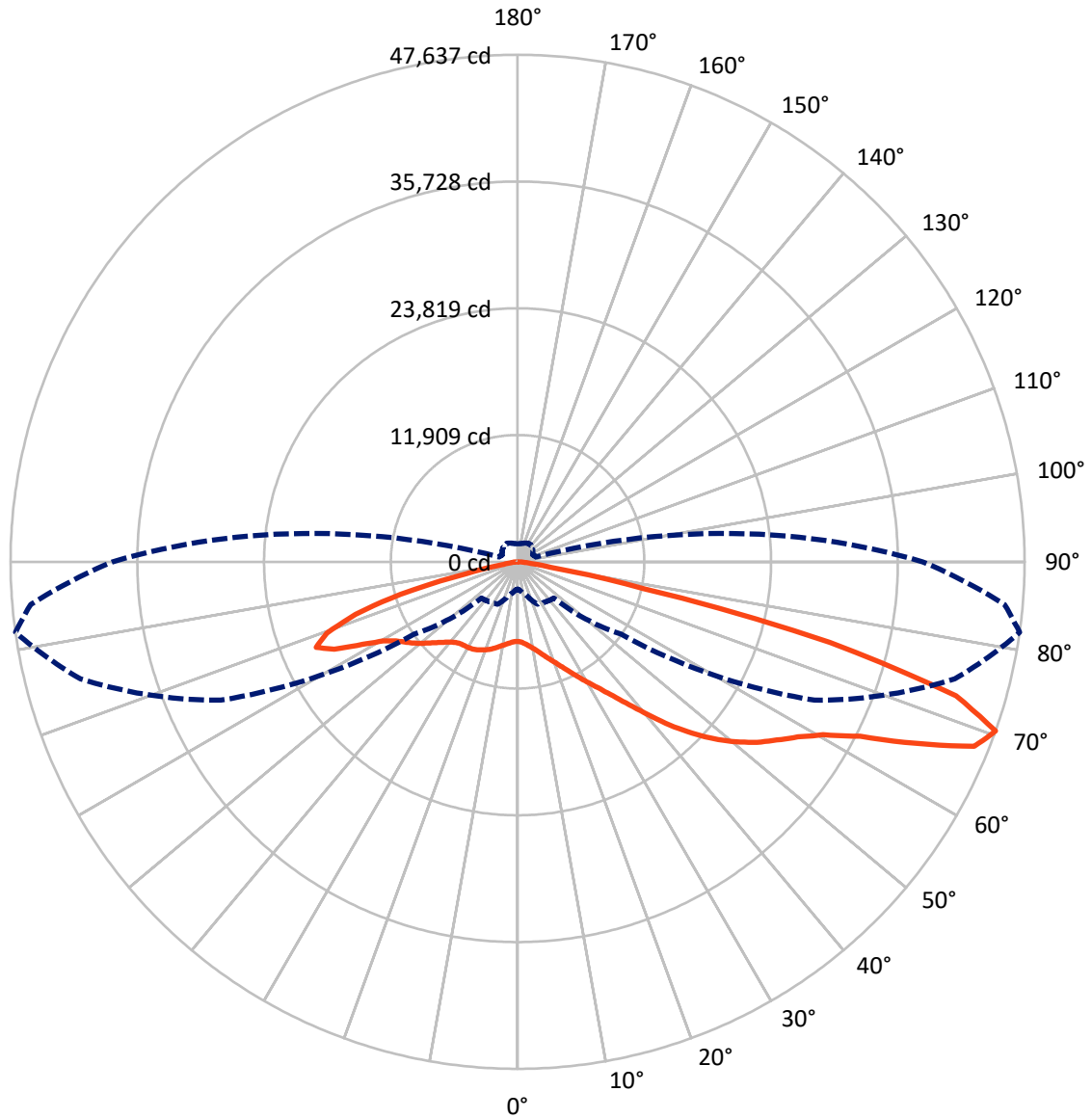
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	12567.1	0.0	12567.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	38409.9	0.0	38409.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	50977.0	0.0	50977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.7	1.4
10°-20°	2027.4	4.0
20°-30°	3391.7	6.7
30°-40°	5298.7	10.4
40°-50°	8438.7	16.6
50°-60°	11743.5	23.0
60°-70°	12284.3	24.1
70°-80°	6420.4	12.6
80°-90°	666.7	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°	50977.0	100.0
0°-180°	50977.0	100.0

Coefficient of Utilization

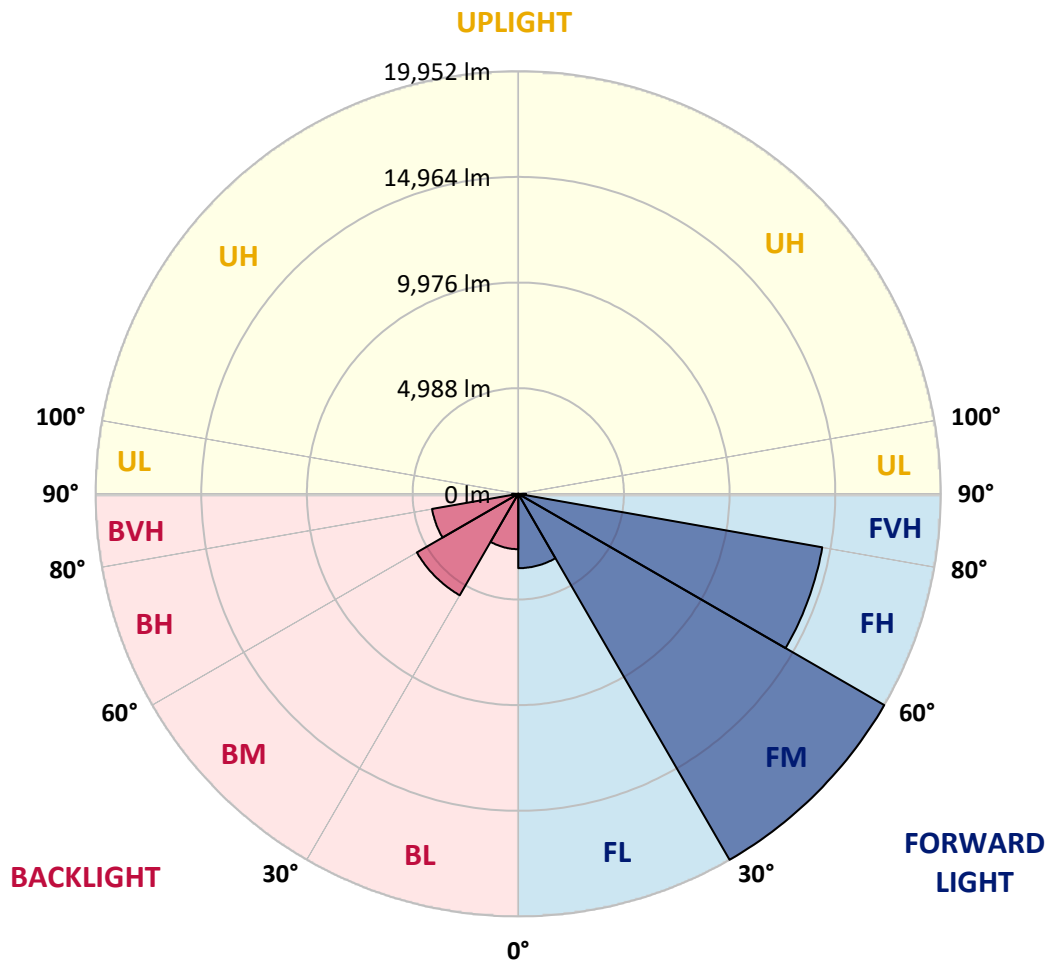


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3510.3	6.9			
FM (30°-60°)	19951.9	39.1			
FH (60°-80°)	14574.5	28.6			G5
FVH (80°-90°)	373.2	0.7			G3/500
BL (0°-30°)	2614.4	5.1	B4/5000		
BM (30°-60°)	5529.0	10.8	B4/8500		
BH (60°-80°)	4130.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	293.5	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°	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9
2.5°	7652.4	7695.7	7682.1	7668.6	7668.6	7649.7	7647.0	7619.9	7598.3	7563.1
5°	7749.8	7795.8	7790.3	7801.2	7836.3	7844.4	7852.6	7836.3	7793.1	7749.8
7.5°	7663.2	7714.6	7730.8	7795.8	7904.0	8001.3	8074.4	8104.1	8063.6	8001.3
10°	7371.1	7427.9	7484.7	7638.9	7830.9	8060.8	8255.6	8371.9	8363.8	8304.3
12.5°	6778.7	6838.2	6959.9	7260.2	7611.8	8017.6	8380.0	8623.5	8707.3	8664.1
15°	6305.3	6356.7	6448.7	6757.0	7214.2	7830.9	8426.0	8899.4	9113.1	9088.7
17.5°	6291.8	6313.4	6370.2	6516.3	6867.9	7538.8	8377.3	9169.9	9578.3	9575.6
20°	6529.8	6537.9	6570.4	6600.2	6800.3	7317.0	8252.9	9394.4	10100.4	10100.4
22.5°	6859.8	6854.4	6886.9	6859.8	6957.2	7298.0	8174.5	9591.9	10682.0	10725.3
25°	7354.8	7327.8	7319.7	7257.5	7276.4	7473.9	8261.0	9816.4	11371.7	11461.0
27.5°	8014.9	7971.6	7941.8	7798.5	7749.8	7836.3	8526.1	10086.9	12140.0	12294.1
30°	8875.0	8796.6	8753.3	8504.5	8328.6	8342.2	8926.4	10446.6	12943.3	13192.2
32.5°	10049.0	9927.3	9811.0	9402.5	9080.6	8975.1	9443.1	10944.4	13814.3	14212.0
35°	11363.6	11266.3	11141.8	10511.6	10016.5	9773.1	10141.0	11639.5	14834.1	15464.4
37.5°	12629.6	12545.7	12605.2	11755.9	11117.5	10763.1	11055.3	12572.8	16091.9	17022.5
40°	13938.8	13873.9	13882.0	13070.5	12326.6	11929.0	12164.3	13744.0	17533.7	18875.4
42.5°	15361.6	15312.9	15150.6	14431.1	13595.2	13224.7	13441.1	15096.5	19080.9	20985.3
45°	16954.8	16925.1	16773.6	15948.6	14991.0	14574.4	14866.6	16589.7	20636.3	22970.7
47.5°	18331.7	18356.0	18337.1	17641.9	16649.2	16037.8	16386.8	18147.7	22083.5	24837.1
50°	18994.4	19121.5	19308.2	19091.8	18475.0	17852.9	17920.5	19651.7	23463.0	26587.3
52.5°	18648.1	18888.9	19397.4	19743.7	19981.7	19851.9	19670.6	21144.8	24761.4	28167.0
55°	17357.9	17696.0	18539.9	19375.8	20590.3	21534.4	21772.4	22800.3	26027.3	29557.3
57.5°	15007.2	15556.4	16313.7	18004.4	20049.3	22348.6	24223.1	25096.8	27369.0	31042.4
60°	10976.8	11712.6	12653.9	15169.5	18155.8	21913.1	26308.7	28624.1	29276.0	32965.6
62.5°	7024.8	7479.3	8344.9	10714.4	14147.1	19681.5	26947.0	33033.2	32508.5	36119.6
65°	4809.5	5101.6	5894.2	7225.0	9145.5	14650.2	25237.5	36338.7	37642.5	41118.4
67.5°	3494.8	3716.6	4392.9	5558.7	5959.1	8669.5	19584.1	36187.3	42633.2	46268.7
70°	2548.1	2705.0	3273.0	4392.9	4584.9	4823.0	11864.1	30761.1	42525.0	47637.4
72.5°	1888.1	1996.3	2377.7	3408.3	3711.2	3256.8	5872.5	22356.7	36541.6	43087.7
75°	1366.0	1447.2	1728.5	2607.6	2970.1	2480.5	2929.5	13065.1	25489.0	30309.3
77.5°	1044.1	1106.3	1290.3	1909.7	2377.7	1861.0	1817.7	6010.5	12085.9	12145.4
80°	838.5	879.1	979.2	1344.4	1823.2	1393.1	1184.8	2426.4	3819.4	3232.5
82.5°	616.7	684.4	827.7	944.0	1303.8	960.3	722.2	1225.4	1452.6	1249.7
85°	351.6	397.6	500.4	676.2	833.1	587.0	413.9	543.7	676.2	554.5
87.5°	124.4	162.3	175.8	265.1	362.5	243.4	159.6	156.9	221.8	165.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7473.9	0°	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9	7473.9
7555.0	2.5°	7528.0	7514.4	7460.3	7387.3	7311.6	7238.5	7214.2	7162.8	7127.6	7108.7
7730.8	5°	7679.4	7636.2	7509.0	7346.7	7176.3	6992.4	6862.5	6743.5	6657.0	6575.8
7971.6	7.5°	7895.8	7820.1	7601.0	7317.0	7014.0	6708.4	6481.1	6308.0	6191.7	6116.0
8252.9	10°	8147.4	8031.1	7695.7	7271.0	6803.0	6364.8	6097.0	5948.3	5875.2	5834.6
8574.8	12.5°	8436.8	8271.8	7793.1	7165.5	6481.1	5980.7	5796.8	5753.5	5756.2	5758.9
8980.5	15°	8793.9	8564.0	7871.5	6935.6	6061.9	5685.9	5653.4	5723.7	5796.8	5831.9
9440.4	17.5°	9196.9	8872.3	7885.0	6556.9	5650.7	5496.5	5599.3	5750.8	5861.7	5910.4
9954.3	20°	9629.7	9186.1	7787.6	6021.3	5312.6	5342.3	5526.3	5721.0	5842.8	5905.0
10541.3	22.5°	10124.7	9521.5	7555.0	5458.7	5036.7	5174.6	5391.0	5580.4	5707.5	5769.7
11231.1	25°	10690.1	9897.5	7189.8	4985.3	4798.6	4985.3	5201.7	5358.6	5461.4	5518.2
12002.0	27.5°	11317.6	10289.8	6702.9	4609.3	4590.4	4790.5	4969.1	5090.8	5144.9	5188.2
12821.6	30°	11947.9	10646.8	6113.3	4325.3	4409.1	4598.5	4725.6	4779.7	4795.9	4804.0
13735.9	32.5°	12629.6	10955.2	5493.8	4089.9	4236.0	4411.8	4487.6	4511.9	4436.2	4384.8
14844.9	35°	13454.6	11285.2	4887.9	3903.3	4065.6	4217.1	4241.4	4219.8	4130.5	4025.0
16235.3	37.5°	14474.4	11696.3	4403.7	3770.7	3906.0	4006.1	3976.3	3970.9	3979.0	3854.6
17907.0	40°	15724.1	12231.9	4049.4	3668.0	3776.2	3797.8	3713.9	3759.9	3800.5	3611.2
19741.0	42.5°	17111.7	12878.4	3824.8	3597.6	3668.0	3616.6	3486.7	3538.1	3532.7	3283.8
21583.1	45°	18526.4	13581.7	3746.4	3546.2	3567.9	3465.1	3321.7	3335.2	3221.6	2997.1
23349.4	47.5°	19933.0	14336.4	3795.1	3503.0	3443.4	3327.1	3216.2	3156.7	2989.0	2821.3
25042.7	50°	21312.6	15129.0	3973.6	3416.4	3273.0	3205.4	3124.3	3018.8	2840.2	2696.9
26644.1	52.5°	22592.0	15926.9	4173.8	3273.0	3059.3	3099.9	3048.5	2926.8	2751.0	2604.9
28158.9	55°	23803.8	16724.9	4252.2	3075.6	2859.2	3007.9	2978.2	2753.7	2542.7	2423.7
29744.0	57.5°	25123.9	17685.2	4165.7	2824.0	2696.9	2902.4	2788.8	2540.0	2418.3	2329.0
31807.9	60°	26952.4	19191.8	3979.0	2512.9	2542.7	2745.6	2550.8	2448.0	2315.5	2215.4
34902.4	62.5°	29990.1	22002.3	3678.8	2204.6	2361.4	2512.9	2437.2	2334.4	2199.2	2101.8
40193.3	65°	34480.4	25908.3	3113.4	1963.8	2158.6	2285.7	2315.5	2212.7	2072.0	1969.2
44829.7	67.5°	38267.4	28359.0	2356.0	1763.6	1950.3	2101.8	2185.6	2085.5	1936.8	1836.7
45914.4	70°	38059.1	26579.2	1798.8	1566.2	1766.4	1920.5	2028.7	1950.3	1790.7	1696.0
41705.4	72.5°	33804.2	22235.0	1455.3	1366.0	1579.7	1731.2	1861.0	1801.5	1639.2	1547.2
30552.8	75°	24834.4	15783.6	1163.1	1163.1	1347.1	1533.7	1677.1	1639.2	1490.4	1425.5
12827.0	77.5°	10468.3	6621.8	911.6	965.7	1119.9	1317.3	1495.9	1509.4	1379.5	1460.7
3392.0	80°	2783.4	1825.9	695.2	760.1	879.1	1087.4	1301.1	1295.7	1155.0	1079.3
1260.5	82.5°	1060.4	719.5	495.0	535.6	635.7	833.1	1030.6	1063.1	922.4	798.0
495.0	85°	408.5	308.4	305.7	321.9	370.6	551.8	779.0	806.1	695.2	589.7
138.0	87.5°	105.5	92.0	113.6	108.2	170.4	294.8	446.3	462.6	424.7	246.2
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°
7473.9
7130.3
6608.3
6132.2
5845.5
5764.3
5829.2
5921.2
5921.2
5786.0
5534.4
5204.4
4823.0
4401.0
4030.4
3862.7
3616.6
3281.1
3005.2
2821.3
2686.0
2607.6
2412.8
2320.9
2210.0
2101.8
1974.6
1839.4
1704.1
1547.2
1406.6
1325.4
1003.5
798.0
608.6
351.6
0.0

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