

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: P850306

Luminaire Tested: **GLAN-SB7D-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850306
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-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 69266 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

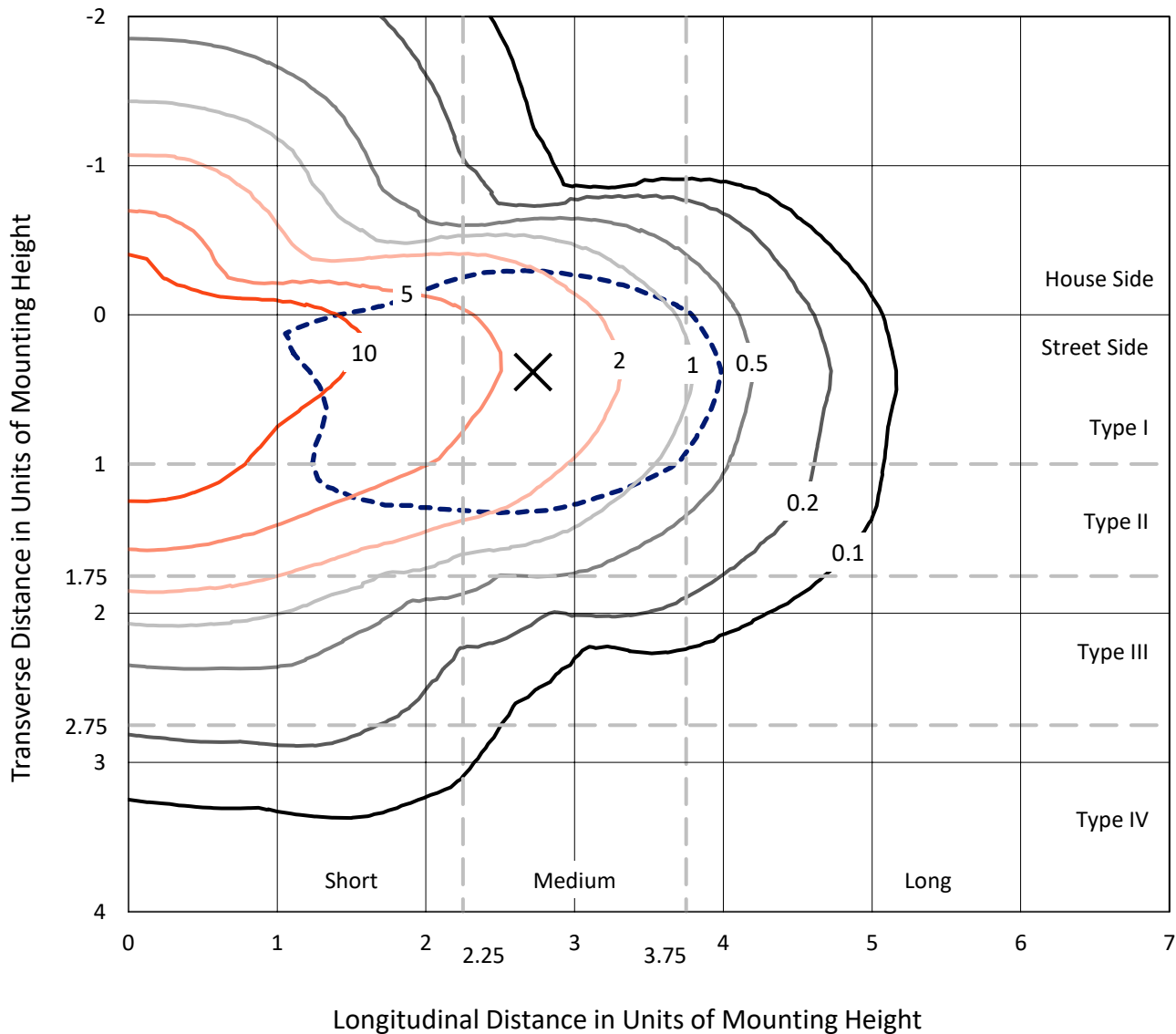
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

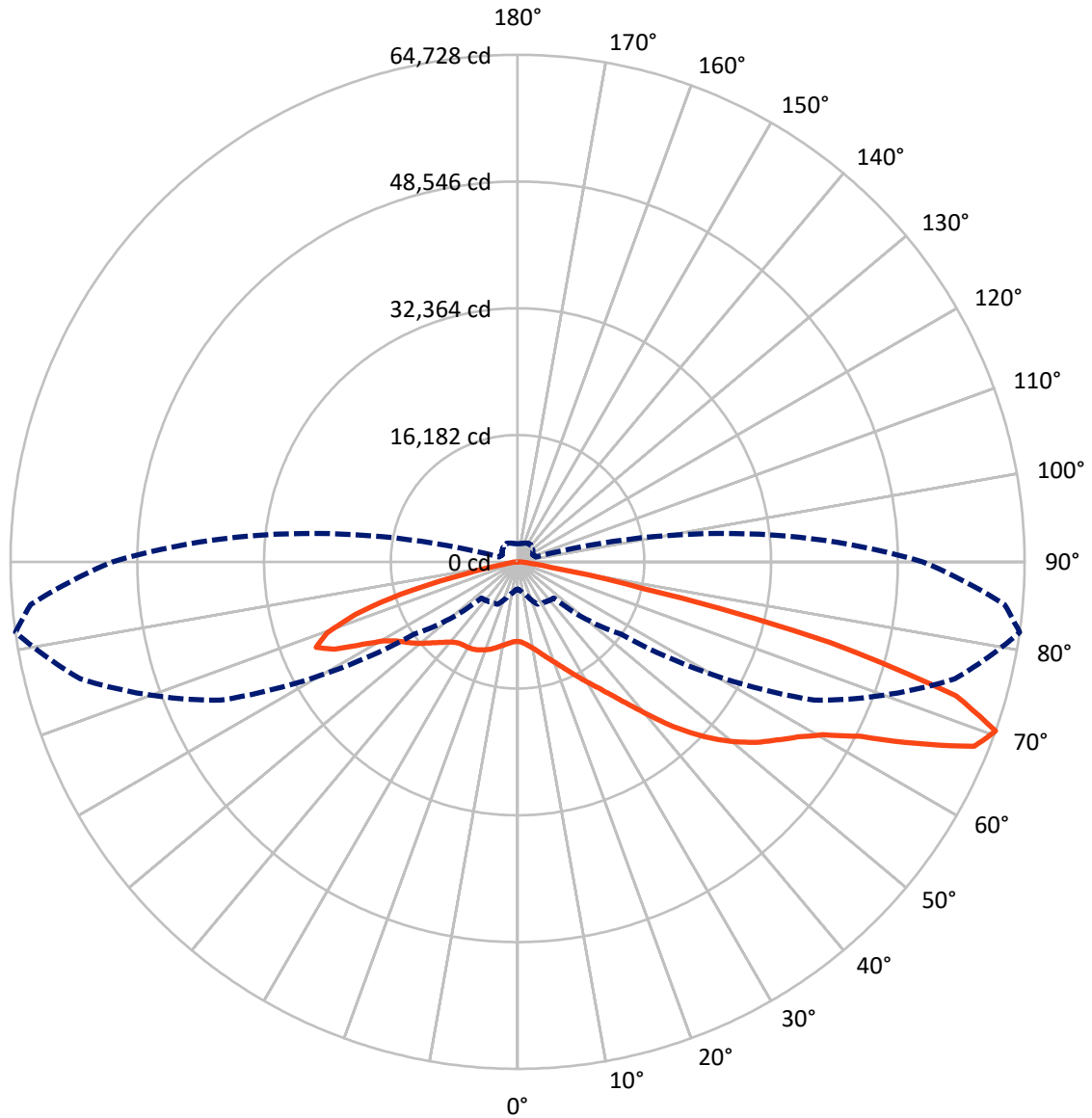
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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	17075.8	0.0	17075.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	52190.2	0.0	52190.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	69266.0	0.0	69266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	958.8	1.4
10°-20°	2754.8	4.0
20°-30°	4608.5	6.7
30°-40°	7199.7	10.4
40°-50°	11466.3	16.6
50°-60°	15956.7	23.0
60°-70°	16691.5	24.1
70°-80°	8723.9	12.6
80°-90°	905.9	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°	69266.0	100.0
0°-180°	69266.0	100.0

Coefficient of Utilization

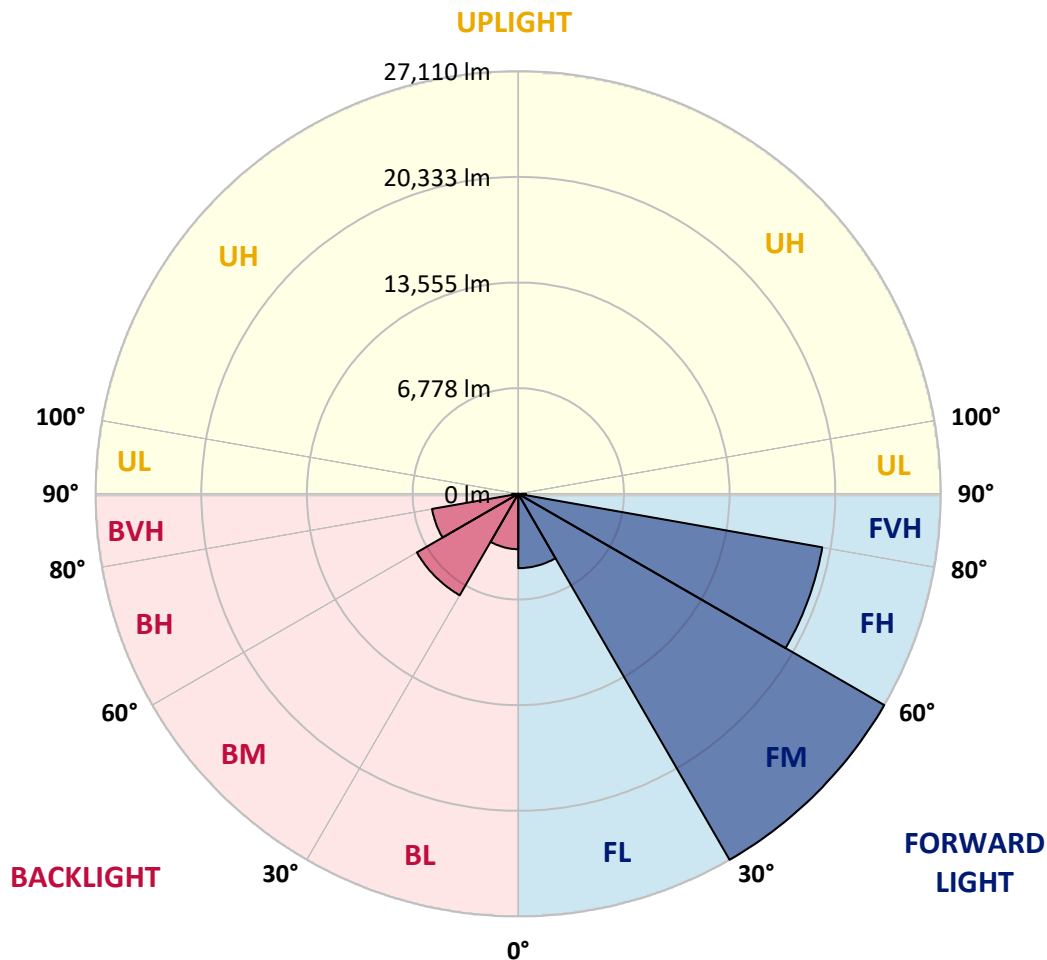


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4769.7	6.9			
FM (30°-60°)	27110.0	39.1			
FH (60°-80°)	19803.4	28.6			G5
FVH (80°-90°)	507.1	0.7			G4/750
BL (0°-30°)	3552.4	5.1	B4/5000		
BM (30°-60°)	7512.7	10.8	B4/8500		
BH (60°-80°)	5612.0	8.1	B5		G5
BVH (80°-90°)	398.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3
2.5°	10397.8	10456.6	10438.3	10419.9	10419.9	10394.2	10390.5	10353.7	10324.3	10276.6
5°	10530.2	10592.6	10585.3	10600.0	10647.8	10658.8	10669.8	10647.8	10589.0	10530.2
7.5°	10412.5	10482.4	10504.4	10592.6	10739.7	10872.0	10971.2	11011.6	10956.5	10872.0
10°	10015.6	10092.8	10170.0	10379.5	10640.4	10952.8	11217.5	11375.5	11364.5	11283.6
12.5°	9210.7	9291.5	9456.9	9864.9	10342.7	10894.0	11386.5	11717.3	11831.3	11772.5
15°	8567.5	8637.3	8762.3	9181.3	9802.4	10640.4	11449.0	12092.2	12382.6	12349.5
17.5°	8549.1	8578.5	8655.7	8854.2	9332.0	10243.5	11382.9	12459.8	13014.8	13011.1
20°	8872.5	8883.6	8927.7	8968.1	9240.1	9942.1	11213.8	12764.8	13724.1	13724.1
22.5°	9320.9	9313.6	9357.7	9320.9	9453.3	9916.4	11107.2	13033.1	14514.3	14573.1
25°	9993.5	9956.8	9945.8	9861.2	9887.0	10155.3	11224.8	13338.2	15451.6	15572.9
27.5°	10890.4	10831.5	10791.1	10596.3	10530.2	10647.8	11585.0	13705.7	16495.4	16704.9
30°	12059.1	11952.6	11893.7	11555.6	11316.7	11335.1	12129.0	14194.6	17587.0	17925.2
32.5°	13654.3	13488.9	13330.8	12775.9	12338.5	12195.1	12831.0	14870.9	18770.5	19310.8
35°	15440.6	15308.2	15139.2	14282.8	13610.2	13279.4	13779.3	15815.5	20156.2	21012.5
37.5°	17160.7	17046.7	17127.6	15973.5	15106.1	14624.6	15021.6	17083.5	21865.2	23129.6
40°	18939.6	18851.4	18862.4	17759.8	16749.0	16208.7	16528.5	18674.9	23824.3	25647.3
42.5°	20872.9	20806.7	20586.2	19608.5	18472.8	17969.3	18263.3	20512.7	25926.6	28514.1
45°	23037.7	22997.3	22791.5	21670.4	20369.3	19803.3	20200.3	22541.5	28040.0	31211.9
47.5°	24908.5	24941.6	24915.9	23971.3	22622.4	21791.7	22265.9	24658.6	30006.4	33748.0
50°	25809.0	25981.7	26235.3	25941.3	25103.3	24258.0	24349.8	26702.1	31880.8	36126.0
52.5°	25338.5	25665.7	26356.6	26827.1	27150.5	26974.1	26727.9	28731.0	33645.0	38272.4
55°	23585.3	24044.8	25191.5	26327.2	27977.5	29260.2	29583.7	30980.3	35365.2	40161.6
57.5°	20391.4	21137.5	22166.6	24463.8	27242.4	30366.5	32913.6	34100.8	37188.2	42179.4
60°	14915.0	15914.7	17193.7	20611.9	24669.6	29774.8	35747.4	38893.6	39779.4	44792.7
62.5°	9545.1	10162.6	11338.8	14558.4	19222.6	26742.6	36614.8	44884.6	44171.5	49078.3
65°	6534.9	6931.9	8008.8	9817.1	12426.7	19906.2	34291.9	49376.0	51147.5	55870.5
67.5°	4748.7	5050.1	5968.9	7553.0	8097.0	11779.8	26610.2	49170.1	57928.7	62868.5
70°	3462.3	3675.4	4447.3	5968.9	6229.9	6553.3	16120.5	41797.2	57781.7	64728.3
72.5°	2565.5	2712.5	3230.7	4631.1	5042.7	4425.2	7979.4	30377.6	49651.6	58546.2
75°	1856.1	1966.4	2348.6	3543.1	4035.6	3370.4	3980.5	17752.4	34633.7	41183.4
77.5°	1418.7	1503.3	1753.2	2594.9	3230.7	2528.7	2469.9	8166.8	16421.9	16502.8
80°	1139.4	1194.5	1330.5	1826.7	2477.3	1892.9	1609.8	3296.9	5189.7	4392.2
82.5°	838.0	929.9	1124.7	1282.7	1771.6	1304.8	981.3	1665.0	1973.7	1698.1
85°	477.8	540.3	680.0	918.9	1132.0	797.6	562.3	738.8	918.9	753.5
87.5°	169.1	220.5	238.9	360.2	492.5	330.8	216.9	213.2	301.4	224.2
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°
10155.3	0°	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3	10155.3
10265.5	2.5°	10228.8	10210.4	10136.9	10037.6	9934.7	9835.5	9802.4	9732.6	9684.8	9659.1
10504.4	5°	10434.6	10375.8	10203.0	9982.5	9751.0	9501.0	9324.6	9162.9	9045.3	8935.0
10831.5	7.5°	10728.6	10625.7	10328.0	9942.1	9530.4	9115.1	8806.4	8571.1	8413.1	8310.2
11213.8	10°	11070.4	10912.4	10456.6	9879.6	9243.8	8648.3	8284.5	8082.3	7983.1	7927.9
11651.2	12.5°	11463.7	11239.5	10589.0	9736.3	8806.4	8126.4	7876.5	7817.7	7821.4	7825.0
12202.5	15°	11948.9	11636.5	10695.6	9423.8	8236.7	7725.8	7681.7	7777.2	7876.5	7924.3
12827.3	17.5°	12496.5	12055.5	10713.9	8909.3	7678.0	7468.5	7608.2	7814.0	7964.7	8030.9
13525.6	20°	13084.6	12481.8	10581.6	8181.5	7218.6	7259.0	7508.9	7773.6	7939.0	8023.5
14323.2	22.5°	13757.2	12937.6	10265.5	7417.1	6843.7	7031.1	7325.2	7582.4	7755.2	7839.7
15260.5	25°	14525.4	13448.5	9769.3	6773.8	6520.2	6773.8	7067.9	7281.1	7420.7	7497.9
16308.0	27.5°	15378.1	13981.4	9107.8	6263.0	6237.2	6509.2	6751.8	6917.2	6990.7	7049.5
17421.6	30°	16234.5	14466.6	8306.5	5877.0	5991.0	6248.3	6421.0	6494.5	6516.6	6527.6
18663.9	32.5°	17160.7	14885.6	7464.8	5557.3	5755.8	5994.7	6097.6	6130.6	6027.7	5957.9
20170.9	35°	18281.7	15334.0	6641.5	5303.7	5524.2	5730.0	5763.1	5733.7	5612.4	5469.1
22060.0	37.5°	19667.3	15892.6	5983.6	5123.6	5307.3	5443.3	5402.9	5395.6	5406.6	5237.5
24331.5	40°	21365.4	16620.4	5502.1	4983.9	5130.9	5160.3	5046.4	5108.9	5164.0	4906.7
26823.4	42.5°	23250.9	17498.8	5197.1	4888.3	4983.9	4914.1	4737.7	4807.5	4800.1	4462.0
29326.4	45°	25173.1	18454.4	5090.5	4818.5	4847.9	4708.2	4513.4	4531.8	4377.5	4072.4
31726.5	47.5°	27084.4	19479.9	5156.7	4759.7	4678.8	4520.8	4370.1	4289.2	4061.4	3833.5
34027.3	50°	28958.9	20556.8	5399.2	4642.1	4447.3	4355.4	4245.1	4101.8	3859.2	3664.4
36203.2	52.5°	30697.3	21641.0	5671.2	4447.3	4156.9	4212.1	4142.2	3976.8	3737.9	3539.5
38261.4	55°	32343.9	22725.3	5777.8	4179.0	3884.9	4087.1	4046.7	3741.6	3454.9	3293.2
40415.2	57.5°	34137.6	24030.1	5660.2	3837.2	3664.4	3943.8	3789.4	3451.2	3285.9	3164.6
43219.6	60°	36622.2	26077.3	5406.6	3414.5	3454.9	3730.6	3465.9	3326.3	3146.2	3010.2
47424.3	62.5°	40749.7	29896.1	4998.6	2995.5	3208.7	3414.5	3311.6	3171.9	2988.1	2855.8
54613.5	65°	46850.9	35203.4	4230.4	2668.4	2933.0	3105.8	3146.2	3006.5	2815.4	2675.7
60913.2	67.5°	51996.6	38533.4	3201.3	2396.4	2650.0	2855.8	2969.8	2833.8	2631.6	2495.6
62387.0	70°	51713.5	36114.9	2444.2	2128.1	2400.1	2609.6	2756.6	2650.0	2433.1	2304.5
56668.1	72.5°	45932.1	30212.2	1977.4	1856.1	2146.5	2352.3	2528.7	2447.8	2227.3	2102.4
41514.2	75°	33744.3	21446.2	1580.4	1580.4	1830.4	2084.0	2278.8	2227.3	2025.2	1937.0
17429.0	77.5°	14224.0	8997.5	1238.6	1312.1	1521.6	1789.9	2032.5	2050.9	1874.5	1984.7
4609.0	80°	3782.0	2480.9	944.6	1032.8	1194.5	1477.5	1767.9	1760.5	1569.4	1466.5
1712.8	82.5°	1440.8	977.7	672.6	727.7	863.7	1132.0	1400.3	1444.5	1253.3	1084.3
672.6	85°	555.0	419.0	415.3	437.4	503.5	749.8	1058.5	1095.3	944.6	801.2
187.4	87.5°	143.3	125.0	154.4	147.0	231.6	400.6	606.4	628.5	577.0	334.5
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°
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10155.3
9688.5
8979.1
8332.2
7942.6
7832.4
7920.6
8045.6
8045.6
7861.8
7520.0
7071.6
6553.3
5980.0
5476.4
5248.5
4914.1
4458.3
4083.4
3833.5
3649.7
3543.1
3278.5
3153.5
3002.8
2855.8
2683.1
2499.3
2315.5
2102.4
1911.2
1801.0
1363.6
1084.3
827.0
477.8
0.0

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