

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: P849635

Luminaire Tested: **GLAN-SB6D-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44218 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

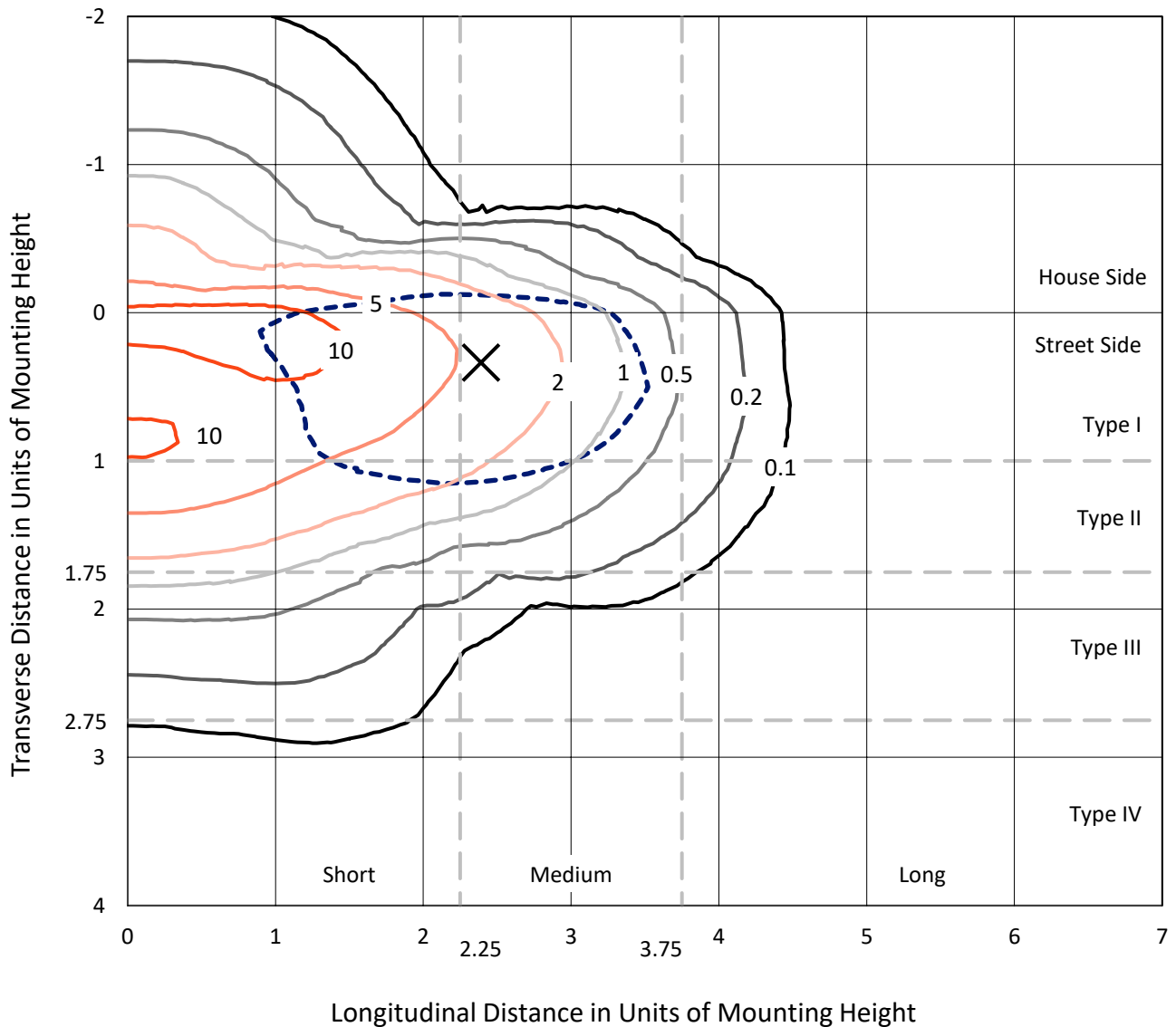
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

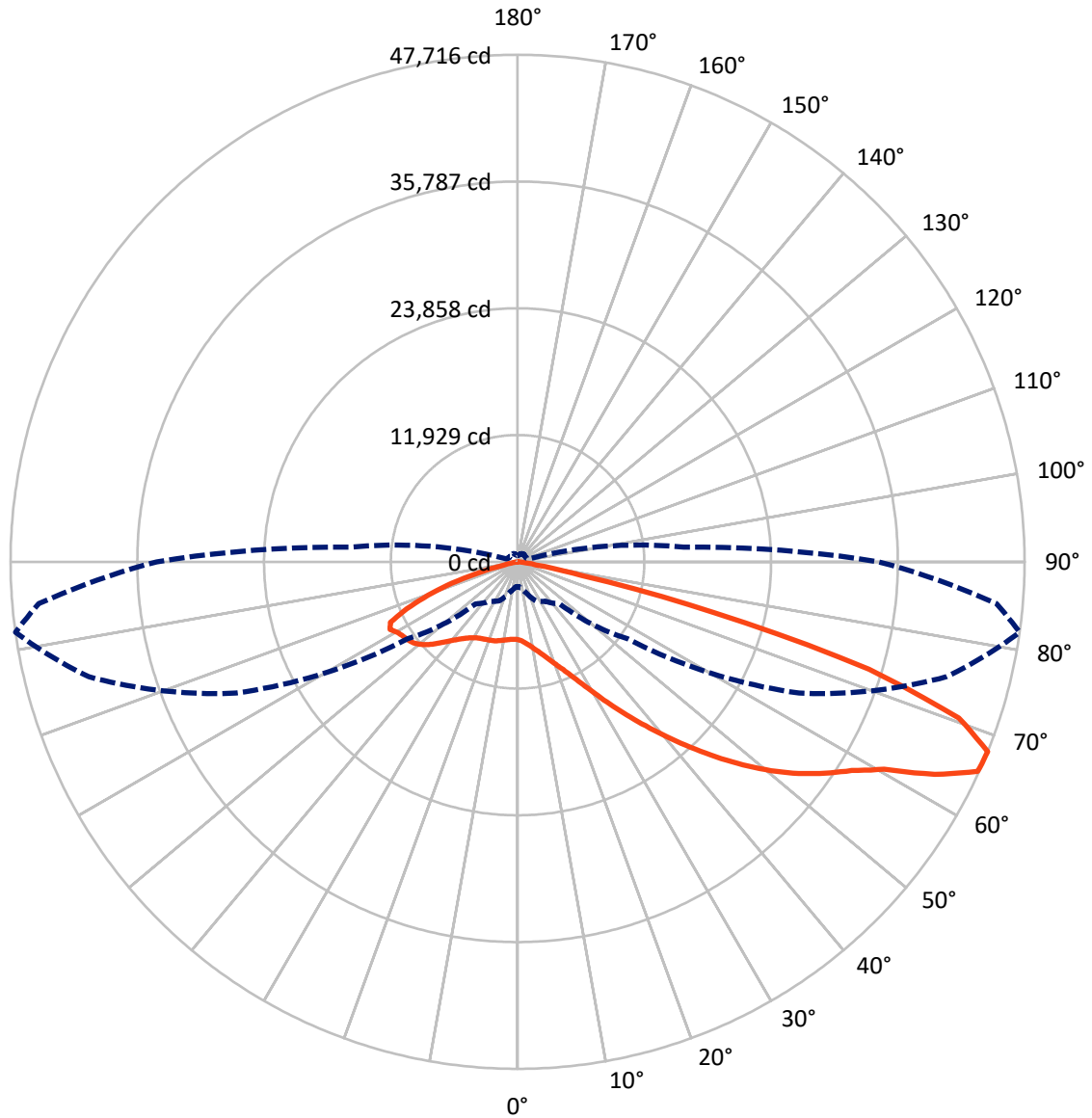
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8009.7	0.0	8009.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	36208.3	0.0	36208.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	44218.0	0.0	44218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.6	1.5
10°-20°	1696.0	3.8
20°-30°	2716.4	6.1
30°-40°	4803.4	10.9
40°-50°	8416.0	19.0
50°-60°	11224.6	25.4
60°-70°	10449.5	23.6
70°-80°	4010.5	9.1
80°-90°	249.1	0.6
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°	44218.0	100.0
0°-180°	44218.0	100.0

Coefficient of Utilization

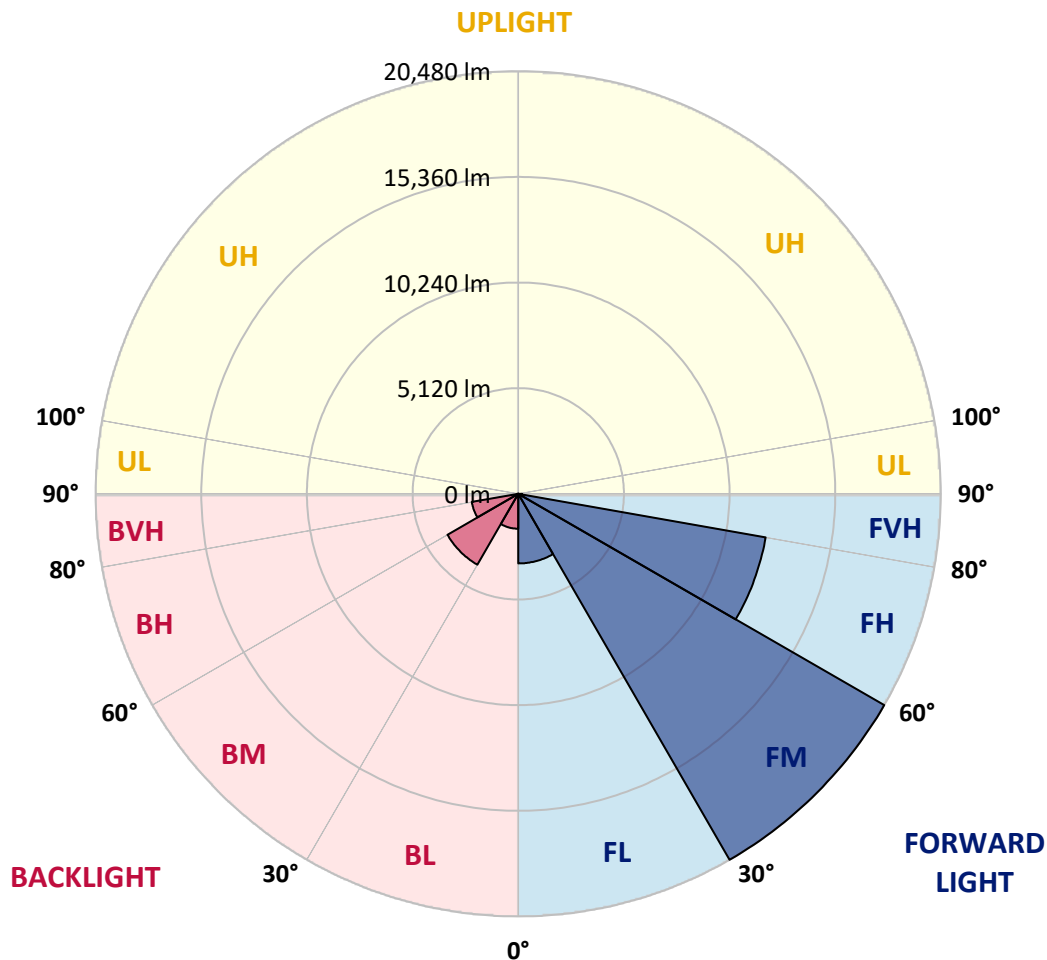


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3373.3	7.6			
FM (30°-60°)	20480.0	46.3			
FH (60°-80°)	12173.9	27.5			G5
FVH (80°-90°)	181.1	0.4			G2/225
BL (0°-30°)	1691.6	3.8	B3/2500		
BM (30°-60°)	3964.0	9.0	B3/5000		
BH (60°-80°)	2286.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	68.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4
2.5°	7742.5	7787.0	7761.6	7748.8	7726.6	7694.7	7669.3	7589.7	7506.9	7452.8
5°	7898.5	7943.0	7939.9	7952.6	7968.5	7978.1	7971.7	7882.6	7764.8	7672.4
7.5°	7764.8	7815.7	7857.1	7920.8	8032.2	8150.0	8207.3	8188.2	8067.2	7939.9
10°	7385.9	7440.0	7538.7	7688.4	7923.9	8178.6	8391.9	8490.6	8414.2	8274.1
12.5°	6691.9	6746.0	6940.2	7264.9	7659.7	8102.2	8509.7	8774.0	8793.1	8653.0
15°	5911.9	5966.0	6173.0	6580.5	7182.2	7892.1	8573.4	9073.2	9241.9	9121.0
17.5°	5428.0	5475.8	5631.8	5959.7	6586.8	7471.9	8551.1	9391.6	9776.8	9681.3
20°	5281.6	5323.0	5396.2	5625.4	6147.5	7035.7	8404.7	9690.8	10353.0	10298.9
22.5°	5437.6	5475.8	5498.0	5599.9	5927.8	6749.2	8220.0	9996.5	11021.6	11027.9
25°	5797.3	5835.5	5810.0	5873.7	6017.0	6660.1	8150.0	10356.2	11862.0	11932.1
27.5°	6389.5	6392.6	6332.1	6329.0	6351.2	6793.8	8223.2	10741.4	12922.2	13052.7
30°	7576.9	7529.2	7296.8	7045.3	6930.7	7194.9	8426.9	11196.7	14173.3	14405.7
32.5°	9407.5	9337.5	8910.9	8309.2	7704.3	7841.2	8793.1	11715.6	15535.9	15956.1
35°	11394.0	11374.9	10929.2	10034.7	8977.7	8761.2	9388.4	12396.9	17022.6	17691.2
37.5°	13240.5	13231.0	12976.3	11922.5	10636.4	10044.2	10343.5	13288.3	18614.4	19582.2
40°	14927.8	14956.5	14701.8	13759.4	12463.7	11690.1	11642.4	14389.8	20384.5	21642.0
42.5°	16385.9	16417.7	16159.9	15462.7	14268.8	13511.1	13237.3	15739.6	22113.2	23854.6
45°	17376.0	17573.4	17535.2	16978.1	16121.7	15335.3	15153.9	17433.3	24083.8	26200.9
47.5°	17656.2	17837.6	18124.1	18200.5	17678.4	16904.8	17121.3	19474.0	26076.7	28550.4
50°	16965.3	17134.0	17729.4	18522.1	18885.0	18646.3	19034.6	21661.1	28117.4	30893.5
52.5°	15602.7	15774.7	16526.0	17780.3	19260.7	20012.0	20954.3	23816.4	30094.4	33112.5
55°	13632.1	13813.6	14778.2	16198.1	18544.4	20575.5	22555.7	25968.5	31905.9	35108.6
57.5°	10951.5	11085.2	12088.1	14074.6	16742.5	20015.2	23736.8	28318.0	33612.3	37069.6
60°	7137.6	7255.4	8420.6	10636.4	13756.3	18143.2	23972.4	30938.1	35879.0	39619.7
62.5°	4746.7	4826.3	5517.2	7144.0	9687.6	14549.0	22593.9	33029.7	39202.7	44057.6
65°	3256.8	3336.4	4027.2	5160.6	6258.9	9624.0	18630.3	32752.7	42214.3	47581.8
67.5°	2324.0	2390.9	2976.7	4046.3	4530.2	5590.4	12629.3	29212.6	41781.4	47715.6
70°	1665.0	1703.2	2187.1	3151.7	3600.6	3358.7	7023.0	22342.4	36582.6	44060.8
72.5°	1165.2	1177.9	1518.6	2400.4	2900.2	2451.4	3342.8	14896.0	27668.5	34583.3
75°	789.5	805.4	1021.9	1760.5	2327.2	1871.9	1770.1	7987.6	16242.6	19142.9
77.5°	483.9	490.3	659.0	1203.4	1741.4	1426.2	1139.7	3384.1	6284.4	6169.8
80°	273.8	273.8	420.2	748.1	1187.5	920.1	799.1	1439.0	1989.7	1747.8
82.5°	152.8	156.0	305.6	464.8	786.3	544.4	439.3	665.4	859.6	760.9
85°	63.7	70.0	187.8	219.7	375.7	270.6	178.3	280.2	318.4	283.3
87.5°	6.4	9.6	57.3	41.4	44.6	54.1	25.5	54.1	44.6	44.6
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°
7325.4	0°	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4	7325.4
7433.7	2.5°	7373.2	7325.4	7204.5	7064.4	6879.7	6790.6	6669.6	6586.8	6516.8	6523.2
7618.3	5°	7516.4	7395.5	7124.9	6787.4	6367.2	6067.9	5749.6	5529.9	5351.6	5313.4
7873.0	7.5°	7713.8	7522.8	7048.5	6440.4	5730.5	5192.4	4711.7	4402.9	4183.2	4113.2
8181.8	10°	7968.5	7691.5	6949.8	6004.2	4982.3	4297.8	3782.1	3540.1	3390.5	3339.6
8544.7	12.5°	8264.6	7885.7	6819.2	5472.6	4211.9	3552.9	3225.0	3104.0	3056.2	3040.3
8990.4	15°	8637.1	8127.7	6621.9	4842.2	3559.2	3097.6	2957.5	2941.6	2948.0	2941.6
9525.3	17.5°	9079.6	8391.9	6300.3	4192.8	3119.9	2865.2	2814.3	2827.0	2842.9	2839.8
10123.8	20°	9563.5	8653.0	5889.6	3616.6	2820.7	2699.7	2671.0	2683.8	2696.5	2690.1
10814.6	22.5°	10114.2	8933.1	5434.4	3167.7	2620.1	2546.9	2515.0	2518.2	2518.2	2505.5
11690.1	25°	10773.2	9241.9	4956.8	2849.3	2467.3	2410.0	2371.8	2359.0	2339.9	2301.7
12753.4	27.5°	11559.6	9569.9	4498.4	2626.5	2346.3	2292.2	2247.6	2215.8	2168.0	2104.3
14030.1	30°	12444.6	9967.8	4110.0	2486.4	2250.8	2196.7	2145.7	2098.0	2027.9	1948.4
15497.7	32.5°	13485.7	10394.4	3826.7	2394.1	2164.8	2107.5	2047.0	1989.7	1913.3	1833.7
17146.8	35°	14727.3	10910.1	3661.1	2330.4	2098.0	2021.6	1954.7	1891.0	1833.7	1763.7
18939.1	37.5°	16073.9	11457.7	3610.2	2298.5	2053.4	1935.6	1859.2	1814.6	1808.3	1766.9
20877.9	40°	17547.9	12107.2	3648.4	2279.4	2005.7	1852.8	1770.1	1760.5	1776.4	1703.2
22950.5	42.5°	19107.9	12877.6	3712.1	2257.2	1938.8	1770.1	1690.5	1690.5	1677.7	1575.9
25140.8	45°	20795.2	13765.8	3775.7	2203.0	1859.2	1687.3	1626.8	1604.5	1550.4	1451.7
27343.8	47.5°	22495.2	14670.0	3823.5	2104.3	1763.7	1617.3	1563.1	1512.2	1432.6	1343.5
29505.5	50°	24109.3	15481.8	3772.5	1957.9	1655.5	1550.4	1493.1	1423.1	1337.1	1276.6
31552.5	52.5°	25551.4	16185.3	3556.1	1786.0	1540.9	1480.4	1429.4	1356.2	1286.2	1222.5
33399.0	55°	26805.8	16755.2	3174.0	1623.6	1439.0	1419.9	1368.9	1276.6	1181.1	1127.0
35229.5	57.5°	28009.2	17188.2	2696.5	1489.9	1346.7	1353.0	1276.6	1193.8	1104.7	1047.4
37696.8	60°	29610.5	17767.6	2212.6	1365.8	1248.0	1267.1	1184.3	1123.8	1012.4	939.2
41927.8	62.5°	32170.1	18668.5	1757.3	1212.9	1133.4	1139.7	1104.7	1031.5	897.8	811.8
45063.6	65°	34201.2	18337.4	1384.9	1047.4	1002.8	1012.4	1012.4	932.8	789.5	690.8
45232.4	67.5°	33972.0	15701.4	1104.7	885.0	878.7	885.0	907.3	840.5	700.4	620.8
41787.7	70°	31294.6	12489.2	885.0	735.4	764.1	748.1	811.8	767.2	630.3	550.8
32396.1	72.5°	25535.5	8996.8	674.9	608.1	585.8	611.2	732.2	690.8	525.3	436.2
17159.5	75°	14921.5	4800.8	503.0	480.7	423.4	509.4	649.5	589.0	401.1	321.5
5259.3	77.5°	4858.1	1674.6	369.3	353.4	315.2	410.7	553.9	496.6	327.9	254.7
1540.9	80°	1302.1	506.2	251.5	232.4	203.7	305.6	439.3	394.8	235.6	165.5
662.2	82.5°	522.1	213.3	146.4	130.5	111.4	210.1	347.0	318.4	175.1	105.1
206.9	85°	168.7	70.0	54.1	41.4	50.9	130.5	206.9	216.5	124.2	54.1
31.8	87.5°	22.3	9.6	9.6	12.7	9.6	22.3	63.7	60.5	35.0	6.4
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°
7325.4
6459.5
5227.4
4043.2
3301.4
3030.8
2938.4
2833.4
2686.9
2499.1
2295.4
2098.0
1942.0
1836.9
1757.3
1763.7
1706.4
1575.9
1448.5
1340.3
1267.1
1216.1
1120.6
1041.0
929.6
805.4
681.3
608.1
541.2
426.6
312.0
245.1
162.4
105.1
41.4
0.0
0.0

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