

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: P849965

Luminaire Tested: **GLAN-SB7B-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849965
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-SB7B-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA 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: 28248 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

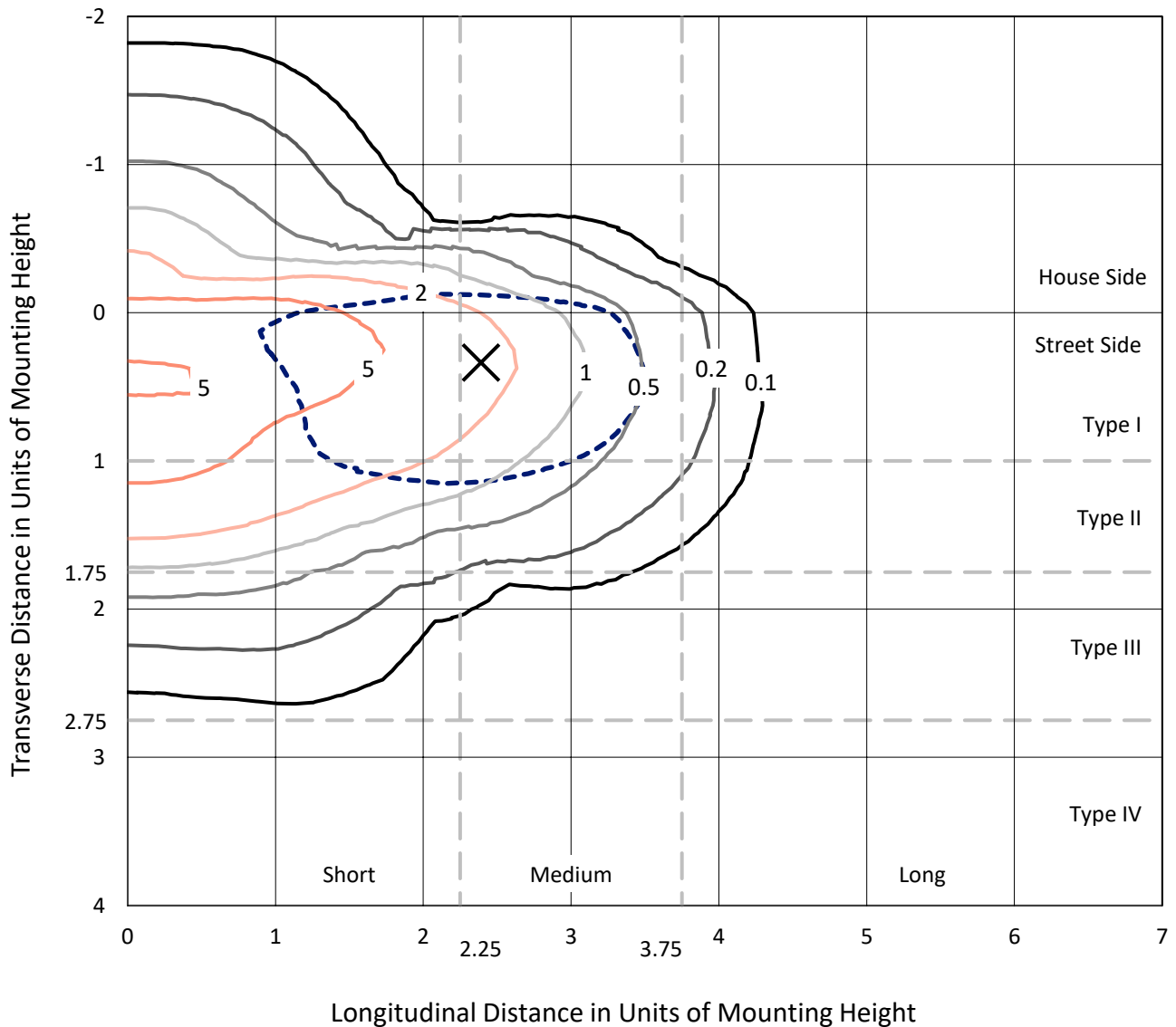
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

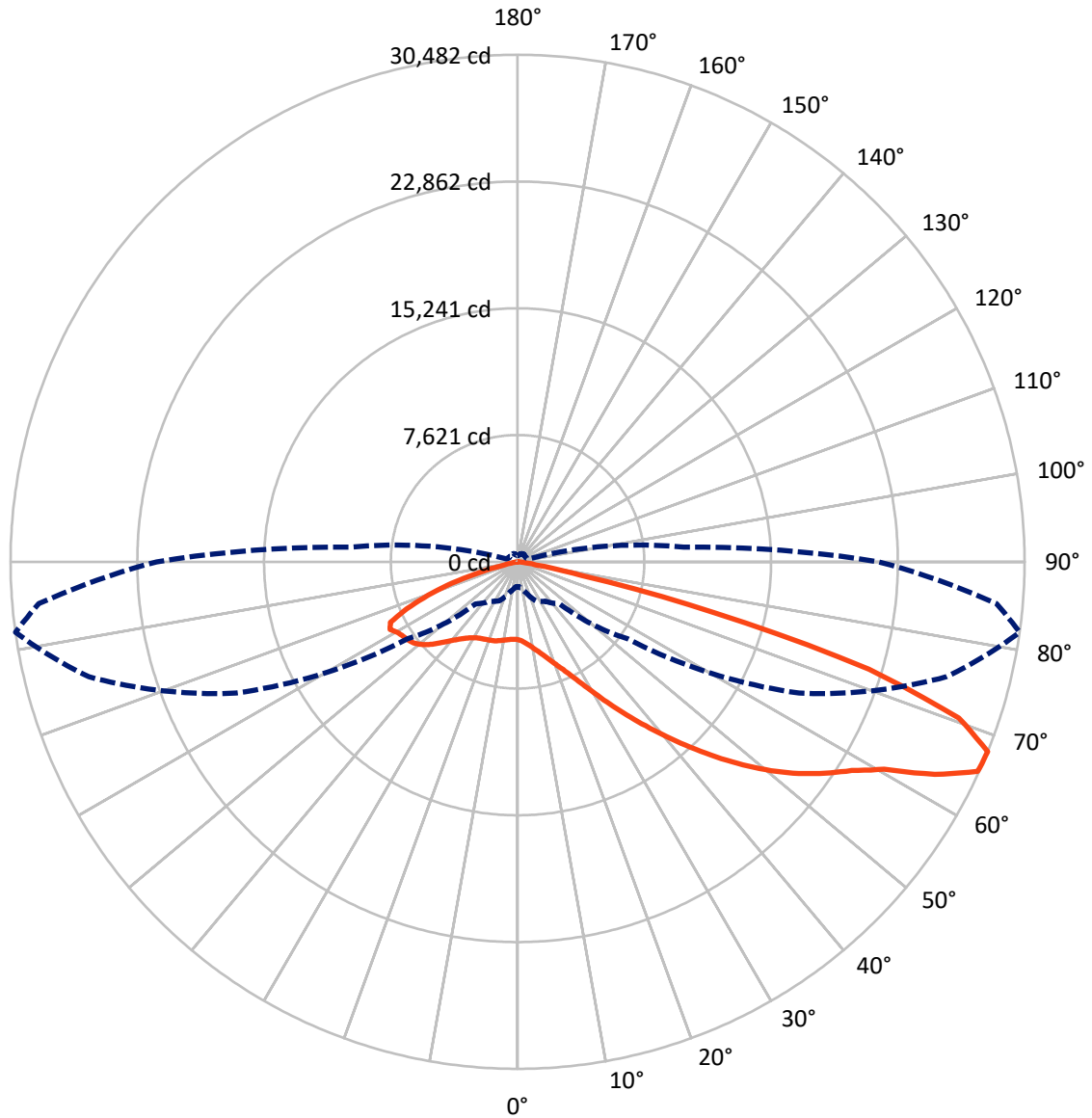
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	5116.9	0.0	5116.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23131.1	0.0	23131.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	28248.0	0.0	28248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.9	1.5
10°-20°	1083.4	3.8
20°-30°	1735.3	6.1
30°-40°	3068.6	10.9
40°-50°	5376.4	19.0
50°-60°	7170.6	25.4
60°-70°	6675.5	23.6
70°-80°	2562.1	9.1
80°-90°	159.1	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°	28248.0	100.0
0°-180°	28248.0	100.0

Coefficient of Utilization

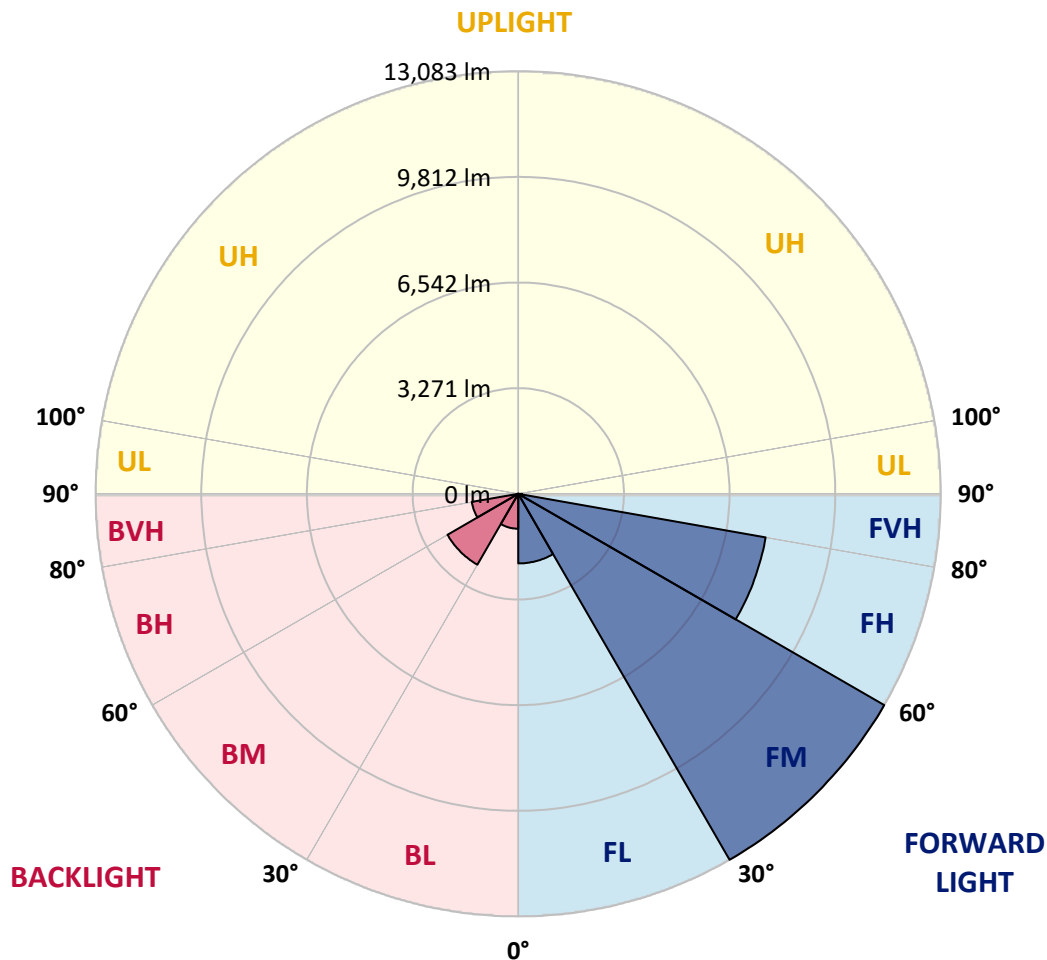


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2155.0	7.6			
FM (30°-60°)	13083.3	46.3			
FH (60°-80°)	7777.1	27.5			G4/12000
FVH (80°-90°)	115.7	0.4			G2/225
BL (0°-30°)	1080.7	3.8	B3/2500		
BM (30°-60°)	2532.3	9.0	B3/5000		
BH (60°-80°)	1460.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	43.4	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7
2.5°	4946.2	4974.6	4958.4	4950.2	4936.0	4915.7	4899.4	4848.5	4795.7	4761.1
5°	5045.8	5074.3	5072.3	5080.4	5090.6	5096.7	5092.6	5035.6	4960.4	4901.4
7.5°	4960.4	4992.9	5019.4	5060.1	5131.2	5206.5	5243.1	5230.9	5153.6	5072.3
10°	4718.4	4753.0	4816.0	4911.6	5062.1	5224.8	5361.1	5424.1	5375.3	5285.8
12.5°	4275.0	4309.6	4433.6	4641.1	4893.3	5176.0	5436.3	5605.1	5617.3	5527.8
15°	3776.7	3811.3	3943.5	4203.8	4588.2	5041.8	5477.0	5796.3	5904.1	5826.8
17.5°	3467.6	3498.1	3597.8	3807.2	4207.9	4773.3	5462.7	5999.7	6245.8	6184.7
20°	3374.0	3400.5	3447.3	3593.7	3927.2	4494.7	5369.2	6190.8	6613.9	6579.3
22.5°	3473.7	3498.1	3512.3	3577.4	3786.9	4311.6	5251.2	6386.1	7041.0	7045.0
25°	3703.5	3727.9	3711.7	3752.3	3843.9	4254.7	5206.5	6615.9	7577.9	7622.6
27.5°	4081.8	4083.8	4045.2	4043.2	4057.4	4340.1	5253.3	6862.0	8255.1	8338.5
30°	4840.4	4809.9	4661.4	4500.8	4427.5	4596.4	5383.4	7152.8	9054.4	9202.9
32.5°	6009.8	5965.1	5692.6	5308.2	4921.8	5009.2	5617.3	7484.3	9924.9	10193.3
35°	7278.9	7266.7	6982.0	6410.5	5735.3	5597.0	5997.6	7919.6	10874.6	11301.7
37.5°	8458.5	8452.4	8289.7	7616.5	6794.9	6416.6	6607.8	8489.0	11891.5	12509.8
40°	9536.4	9554.7	9392.0	8790.0	7962.3	7468.1	7437.5	9192.7	13022.3	13825.7
42.5°	10467.9	10488.2	10323.5	9878.1	9115.4	8631.4	8456.5	10055.0	14126.7	15239.1
45°	11100.4	11226.5	11202.1	10846.2	10299.1	9796.7	9680.8	11137.0	15385.6	16738.0
47.5°	11279.4	11395.3	11578.3	11627.1	11293.6	10799.4	10937.7	12440.7	16658.7	18239.0
50°	10838.0	10945.8	11326.1	11832.6	12064.4	11911.9	12160.0	13837.9	17962.4	19735.8
52.5°	9967.6	10077.4	10557.4	11358.7	12304.4	12784.4	13386.4	15214.7	19225.4	21153.4
55°	8708.7	8824.6	9440.8	10347.9	11846.8	13144.3	14409.4	16589.6	20382.6	22428.6
57.5°	6996.2	7081.6	7722.3	8991.4	10695.7	12786.4	15163.9	18090.5	21472.7	23681.4
60°	4559.7	4635.0	5379.4	6794.9	8788.0	11590.5	15314.4	19764.3	22920.7	25310.4
62.5°	3032.4	3083.2	3524.5	4563.8	6188.8	9294.4	14433.8	21100.5	25044.0	28145.5
65°	2080.6	2131.4	2572.7	3296.8	3998.4	6148.1	11901.7	20923.6	26968.0	30396.9
67.5°	1484.7	1527.4	1901.6	2584.9	2894.1	3571.3	8068.0	18662.0	26691.4	30482.4
70°	1063.7	1088.1	1397.2	2013.4	2300.2	2145.6	4486.5	14273.1	23370.2	28147.6
72.5°	744.4	752.5	970.1	1533.5	1852.8	1566.0	2135.5	9516.1	17675.6	22093.0
75°	504.4	514.5	652.8	1124.7	1486.7	1195.9	1130.8	5102.8	10376.4	12229.1
77.5°	309.1	313.2	421.0	768.8	1112.5	911.1	728.1	2161.9	4014.7	3941.5
80°	174.9	174.9	268.5	477.9	758.6	587.8	510.5	919.3	1271.1	1116.5
82.5°	97.6	99.7	195.2	296.9	502.3	347.8	280.7	425.1	549.1	486.1
85°	40.7	44.7	120.0	140.3	240.0	172.9	113.9	179.0	203.4	181.0
87.5°	4.1	6.1	36.6	26.4	28.5	34.6	16.3	34.6	28.5	28.5
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°
4679.7	0°	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7	4679.7
4748.9	2.5°	4710.2	4679.7	4602.5	4513.0	4395.0	4338.1	4260.8	4207.9	4163.2	4167.2
4866.8	5°	4801.8	4724.5	4551.6	4336.0	4067.6	3876.4	3673.0	3532.7	3418.8	3394.4
5029.5	7.5°	4927.9	4805.8	4502.8	4114.3	3660.8	3317.1	3010.0	2812.7	2672.4	2627.6
5226.8	10°	5090.6	4913.6	4439.8	3835.7	3182.9	2745.6	2416.1	2261.6	2166.0	2133.4
5458.7	12.5°	5279.7	5037.7	4356.4	3496.1	2690.7	2269.7	2060.2	1982.9	1952.4	1942.3
5743.4	15°	5517.7	5192.3	4230.3	3093.4	2273.8	1978.9	1889.4	1879.2	1883.3	1879.2
6085.1	17.5°	5800.4	5361.1	4024.9	2678.5	1993.1	1830.4	1797.9	1806.0	1816.2	1814.1
6467.4	20°	6109.5	5527.8	3762.5	2310.4	1801.9	1724.6	1706.3	1714.5	1722.6	1718.5
6908.8	22.5°	6461.3	5706.8	3471.7	2023.6	1673.8	1627.0	1606.7	1608.7	1608.7	1600.6
7468.1	25°	6882.3	5904.1	3166.6	1820.2	1576.2	1539.6	1515.2	1507.0	1494.8	1470.4
8147.3	27.5°	7384.7	6113.6	2873.7	1677.9	1498.9	1464.3	1435.9	1415.5	1385.0	1344.3
8962.9	30°	7950.1	6367.8	2625.6	1588.4	1437.9	1403.3	1370.8	1340.3	1295.5	1244.7
9900.5	32.5°	8615.1	6640.3	2444.6	1529.4	1383.0	1346.4	1307.7	1271.1	1222.3	1171.5
10954.0	35°	9408.3	6969.8	2338.9	1488.7	1340.3	1291.5	1248.7	1208.1	1171.5	1126.7
12099.0	37.5°	10268.6	7319.6	2306.3	1468.4	1311.8	1236.5	1187.7	1159.3	1155.2	1128.8
13337.6	40°	11210.2	7734.5	2330.7	1456.2	1281.3	1183.7	1130.8	1124.7	1134.9	1088.1
14661.6	42.5°	12206.8	8226.7	2371.4	1442.0	1238.6	1130.8	1079.9	1079.9	1071.8	1006.7
16060.8	45°	13284.7	8794.1	2412.1	1407.4	1187.7	1077.9	1039.3	1025.0	990.5	927.4
17468.2	47.5°	14370.7	9371.7	2442.6	1344.3	1126.7	1033.2	998.6	966.0	915.2	858.3
18849.1	50°	15401.8	9890.3	2410.0	1250.8	1057.6	990.5	953.8	909.1	854.2	815.5
20156.8	52.5°	16323.2	10339.8	2271.7	1141.0	984.4	945.7	913.2	866.4	821.6	781.0
21336.4	55°	17124.5	10703.8	2027.7	1037.2	919.3	907.1	874.5	815.5	754.5	720.0
22505.9	57.5°	17893.2	10980.4	1722.6	951.8	860.3	864.4	815.5	762.7	705.7	669.1
24082.0	60°	18916.2	11350.6	1413.5	872.5	797.2	809.4	756.6	717.9	646.7	600.0
26784.9	62.5°	20551.4	11926.1	1122.6	774.9	724.0	728.1	705.7	658.9	573.5	518.6
28788.2	65°	21848.9	11714.6	884.7	669.1	640.6	646.7	646.7	595.9	504.4	441.3
28896.0	67.5°	21702.5	10030.6	705.7	565.4	561.3	565.4	579.6	536.9	447.4	396.6
26695.5	70°	19992.1	7978.5	565.4	469.8	488.1	477.9	518.6	490.1	402.7	351.8
20695.8	72.5°	16313.0	5747.5	431.2	388.5	374.2	390.5	467.8	441.3	335.6	278.6
10962.1	75°	9532.3	3066.9	321.3	307.1	270.5	325.4	414.9	376.3	256.3	205.4
3359.8	77.5°	3103.6	1069.8	235.9	225.8	201.3	262.4	353.9	317.3	209.5	162.7
984.4	80°	831.8	323.4	160.7	148.5	130.2	195.2	280.7	252.2	150.5	105.8
423.0	82.5°	333.5	136.3	93.6	83.4	71.2	134.2	221.7	203.4	111.9	67.1
132.2	85°	107.8	44.7	34.6	26.4	32.5	83.4	132.2	138.3	79.3	34.6
20.3	87.5°	14.2	6.1	6.1	8.1	6.1	14.2	40.7	38.6	22.4	4.1
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°
4679.7
4126.5
3339.5
2582.9
2109.0
1936.2
1877.2
1810.1
1716.5
1596.5
1466.4
1340.3
1240.6
1173.5
1122.6
1126.7
1090.1
1006.7
925.4
856.2
809.4
776.9
715.9
665.0
593.9
514.5
435.2
388.5
345.7
272.5
199.3
156.6
103.7
67.1
26.4
0.0
0.0

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