

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: P846676

Luminaire Tested: **GLAN-SB2B-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846676
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-SB2B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7528 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

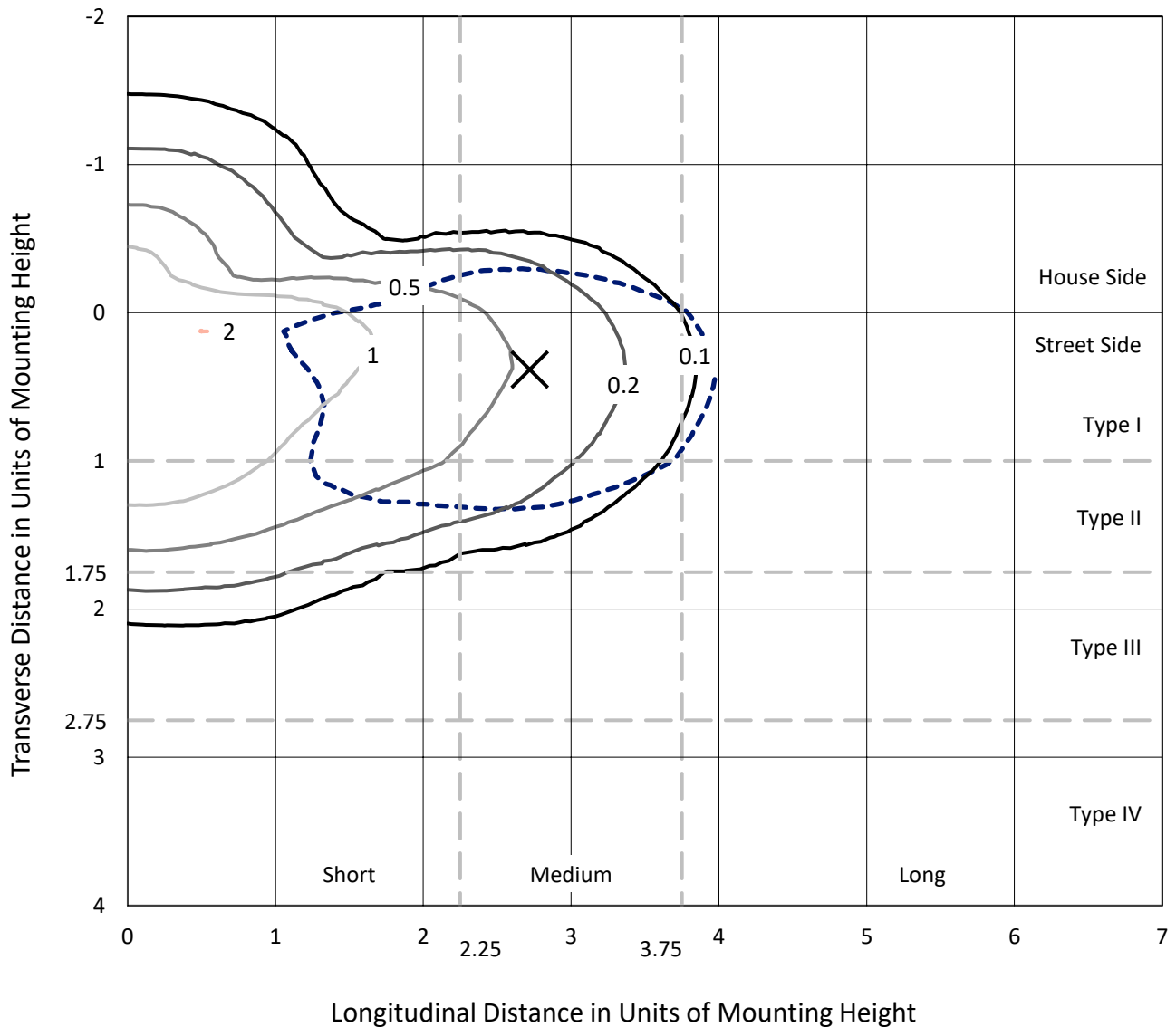
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

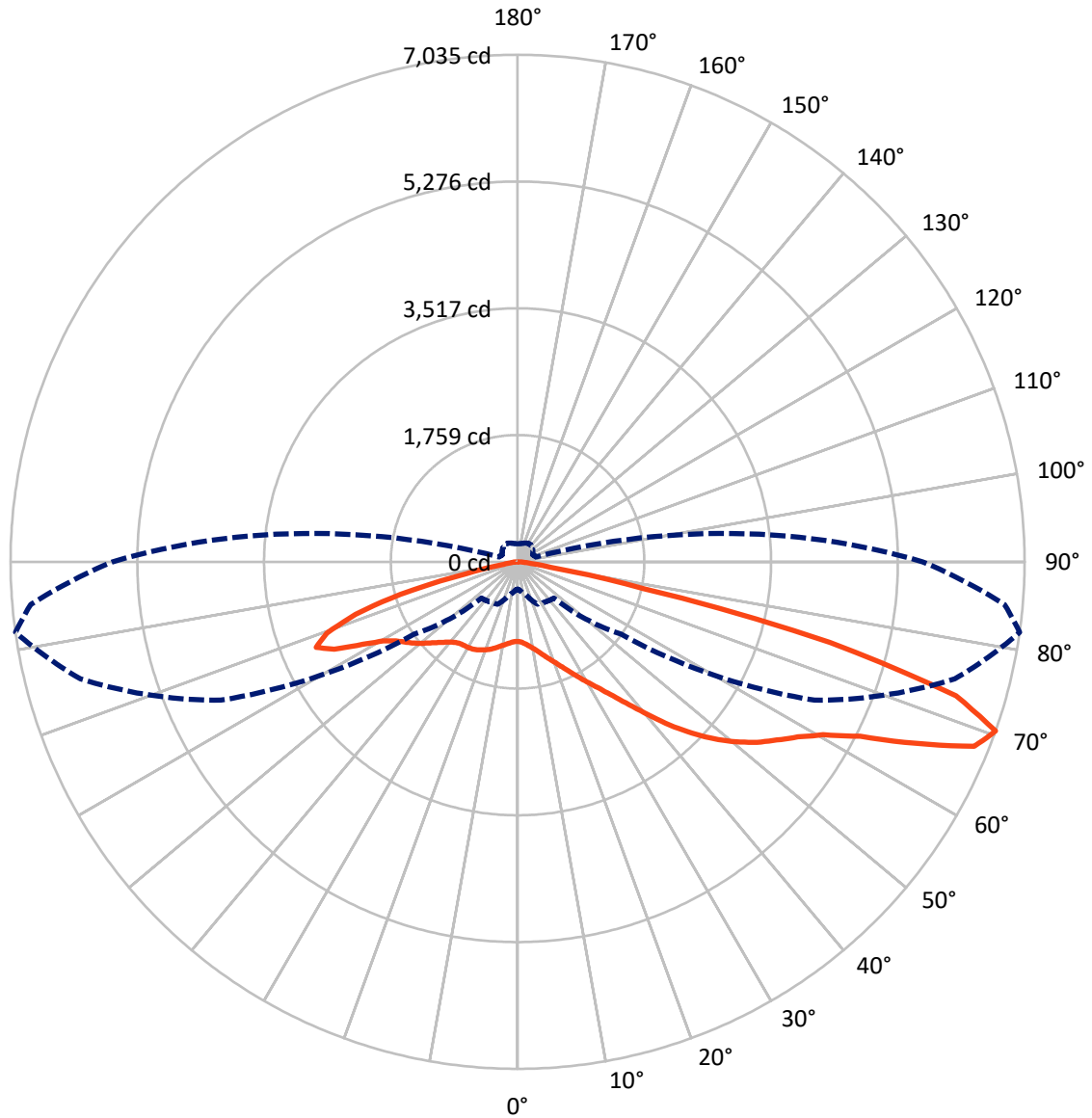
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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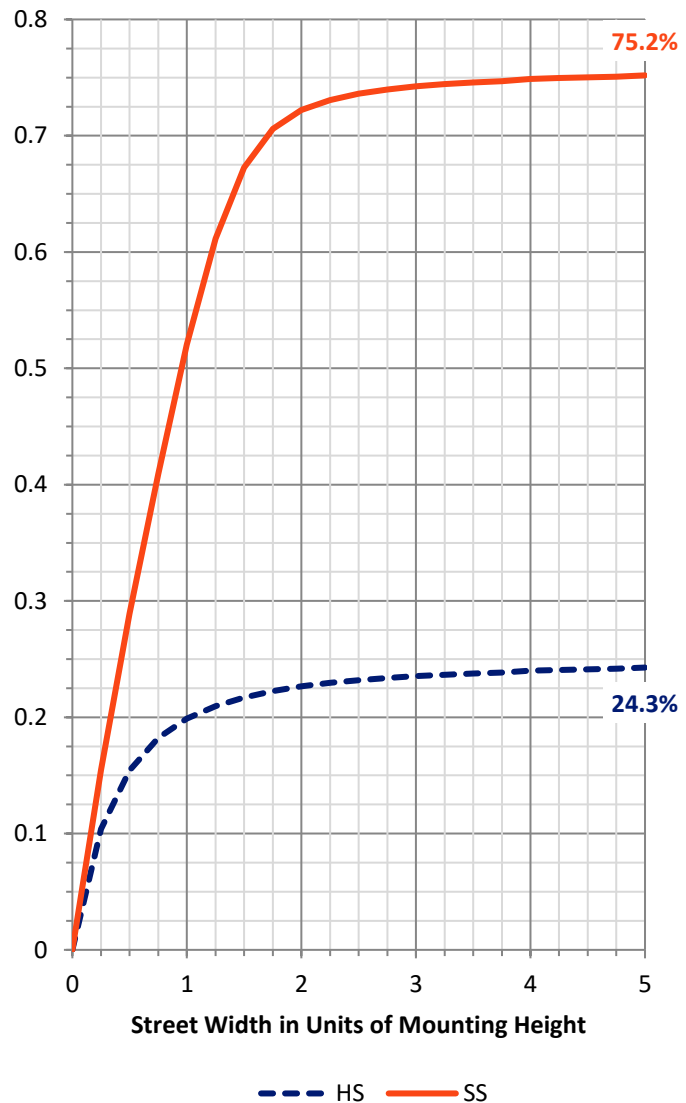
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1855.8	0.0	1855.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5672.2	0.0	5672.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	7528.0	0.0	7528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.4
10°-20°	299.4	4.0
20°-30°	500.9	6.7
30°-40°	782.5	10.4
40°-50°	1246.2	16.6
50°-60°	1734.2	23.0
60°-70°	1814.1	24.1
70°-80°	948.1	12.6
80°-90°	98.5	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°	7528.0	100.0
0°-180°	7528.0	100.0

Coefficient of Utilization



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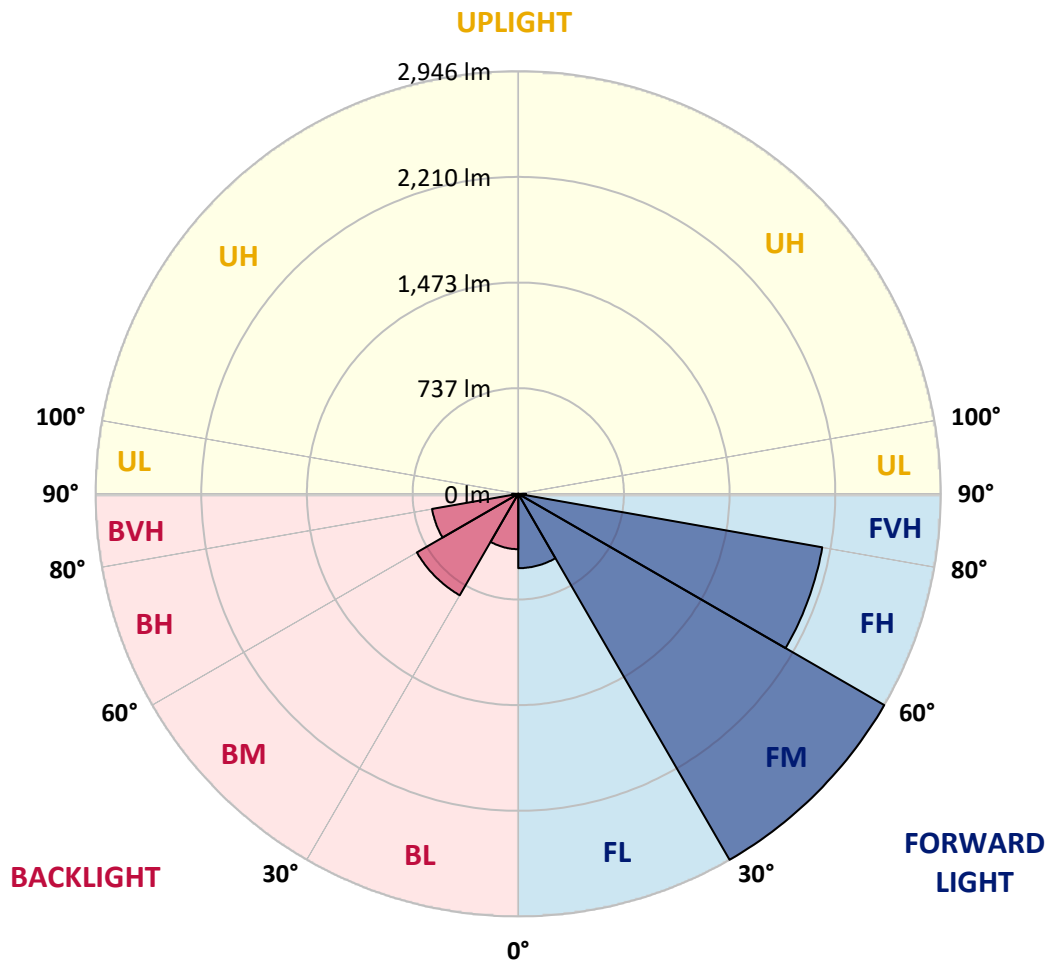
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.4	6.9			
FM (30°-60°)	2946.4	39.1			
FH (60°-80°)	2152.3	28.6			G2/5000
FVH (80°-90°)	55.1	0.7			G1/100
BL (0°-30°)	386.1	5.1	B1/500		
BM (30°-60°)	816.5	10.8	B1/1000		
BH (60°-80°)	609.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	43.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7
2.5°	1130.1	1136.5	1134.5	1132.5	1132.5	1129.7	1129.3	1125.3	1122.1	1116.9
5°	1144.4	1151.2	1150.4	1152.0	1157.2	1158.4	1159.6	1157.2	1150.8	1144.4
7.5°	1131.7	1139.3	1141.6	1151.2	1167.2	1181.6	1192.4	1196.8	1190.8	1181.6
10°	1088.5	1096.9	1105.3	1128.1	1156.4	1190.4	1219.1	1236.3	1235.1	1226.3
12.5°	1001.0	1009.8	1027.8	1072.1	1124.1	1184.0	1237.5	1273.5	1285.9	1279.5
15°	931.1	938.7	952.3	997.8	1065.4	1156.4	1244.3	1314.2	1345.8	1342.2
17.5°	929.1	932.3	940.7	962.3	1014.2	1113.3	1237.1	1354.2	1414.5	1414.1
20°	964.3	965.5	970.3	974.7	1004.2	1080.5	1218.7	1387.3	1491.6	1491.6
22.5°	1013.0	1012.2	1017.0	1013.0	1027.4	1077.7	1207.2	1416.5	1577.5	1583.8
25°	1086.1	1082.1	1080.9	1071.7	1074.5	1103.7	1219.9	1449.6	1679.3	1692.5
27.5°	1183.6	1177.2	1172.8	1151.6	1144.4	1157.2	1259.1	1489.6	1792.8	1815.5
30°	1310.6	1299.0	1292.6	1255.9	1229.9	1231.9	1318.2	1542.7	1911.4	1948.2
32.5°	1484.0	1466.0	1448.8	1388.5	1341.0	1325.4	1394.5	1616.2	2040.0	2098.7
35°	1678.1	1663.7	1645.4	1552.3	1479.2	1443.2	1497.6	1718.9	2190.6	2283.7
37.5°	1865.1	1852.7	1861.5	1736.0	1641.8	1589.4	1632.6	1856.7	2376.4	2513.8
40°	2058.4	2048.8	2050.0	1930.2	1820.3	1761.6	1796.4	2029.6	2589.3	2787.4
42.5°	2268.5	2261.3	2237.4	2131.1	2007.7	1952.9	1984.9	2229.4	2817.8	3099.0
45°	2503.8	2499.4	2477.0	2355.2	2213.8	2152.3	2195.4	2449.9	3047.5	3392.2
47.5°	2707.1	2710.7	2707.9	2605.3	2458.7	2368.4	2419.9	2680.0	3261.2	3667.8
50°	2805.0	2823.8	2851.3	2819.4	2728.3	2636.4	2646.4	2902.1	3464.9	3926.3
52.5°	2753.9	2789.4	2864.5	2915.6	2950.8	2931.6	2904.8	3122.6	3656.6	4159.5
55°	2563.3	2613.2	2737.9	2861.3	3040.7	3180.1	3215.2	3367.0	3843.6	4364.9
57.5°	2216.2	2297.3	2409.1	2658.8	2960.8	3300.3	3577.1	3706.2	4041.7	4584.2
60°	1621.0	1729.6	1868.7	2240.2	2681.2	3236.0	3885.1	4227.1	4323.3	4868.2
62.5°	1037.4	1104.5	1232.3	1582.2	2089.2	2906.4	3979.4	4878.2	4800.7	5333.9
65°	710.2	753.4	870.4	1066.9	1350.6	2163.5	3726.9	5366.3	5558.8	6072.1
67.5°	516.1	548.9	648.7	820.9	880.0	1280.3	2892.1	5343.9	6295.8	6832.7
70°	376.3	399.5	483.3	648.7	677.1	712.2	1752.0	4542.6	6279.9	7034.8
72.5°	278.8	294.8	351.1	503.3	548.1	480.9	867.2	3301.5	5396.3	6362.9
75°	201.7	213.7	255.3	385.1	438.6	366.3	432.6	1929.4	3764.1	4475.9
77.5°	154.2	163.4	190.5	282.0	351.1	274.8	268.4	887.6	1784.8	1793.6
80°	123.8	129.8	144.6	198.5	269.2	205.7	175.0	358.3	564.0	477.4
82.5°	91.1	101.1	122.2	139.4	192.5	141.8	106.7	181.0	214.5	184.5
85°	51.9	58.7	73.9	99.9	123.0	86.7	61.1	80.3	99.9	81.9
87.5°	18.4	24.0	26.0	39.1	53.5	36.0	23.6	23.2	32.8	24.4
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°
1103.7	0°	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7	1103.7
1115.7	2.5°	1111.7	1109.7	1101.7	1090.9	1079.7	1068.9	1065.4	1057.8	1052.6	1049.8
1141.6	5°	1134.1	1127.7	1108.9	1084.9	1059.8	1032.6	1013.4	995.8	983.1	971.1
1177.2	7.5°	1166.0	1154.8	1122.5	1080.5	1035.8	990.7	957.1	931.5	914.4	903.2
1218.7	10°	1203.2	1186.0	1136.5	1073.7	1004.6	939.9	900.4	878.4	867.6	861.6
1266.3	12.5°	1245.9	1221.5	1150.8	1058.2	957.1	883.2	856.0	849.6	850.0	850.4
1326.2	15°	1298.6	1264.7	1162.4	1024.2	895.2	839.7	834.9	845.3	856.0	861.2
1394.1	17.5°	1358.2	1310.2	1164.4	968.3	834.5	811.7	826.9	849.2	865.6	872.8
1470.0	20°	1422.1	1356.6	1150.0	889.2	784.5	788.9	816.1	844.9	862.8	872.0
1556.7	22.5°	1495.2	1406.1	1115.7	806.1	743.8	764.2	796.1	824.1	842.9	852.0
1658.5	25°	1578.7	1461.6	1061.8	736.2	708.6	736.2	768.2	791.3	806.5	814.9
1772.4	27.5°	1671.3	1519.5	989.9	680.7	677.9	707.4	733.8	751.8	759.8	766.2
1893.4	30°	1764.4	1572.3	902.8	638.7	651.1	679.1	697.9	705.8	708.2	709.4
2028.4	32.5°	1865.1	1617.8	811.3	604.0	625.5	651.5	662.7	666.3	655.1	647.5
2192.2	35°	1986.9	1666.5	721.8	576.4	600.4	622.8	626.3	623.2	610.0	594.4
2397.5	37.5°	2137.5	1727.3	650.3	556.8	576.8	591.6	587.2	586.4	587.6	569.2
2644.4	40°	2322.0	1806.3	598.0	541.7	557.6	560.8	548.5	555.2	561.2	533.3
2915.2	42.5°	2527.0	1901.8	564.8	531.3	541.7	534.1	514.9	522.5	521.7	484.9
3187.3	45°	2735.9	2005.7	553.2	523.7	526.9	511.7	490.5	492.5	475.8	442.6
3448.1	47.5°	2943.6	2117.1	560.4	517.3	508.5	491.3	475.0	466.2	441.4	416.6
3698.2	50°	3147.3	2234.2	586.8	504.5	483.3	473.4	461.4	445.8	419.4	398.3
3934.6	52.5°	3336.3	2352.0	616.4	483.3	451.8	457.8	450.2	432.2	406.2	384.7
4158.3	55°	3515.2	2469.8	627.9	454.2	422.2	444.2	439.8	406.6	375.5	357.9
4392.4	57.5°	3710.2	2611.6	615.2	417.0	398.3	428.6	411.8	375.1	357.1	343.9
4697.2	60°	3980.2	2834.1	587.6	371.1	375.5	405.4	376.7	361.5	341.9	327.2
5154.2	62.5°	4428.8	3249.2	543.3	325.6	348.7	371.1	359.9	344.7	324.8	310.4
5935.5	65°	5091.9	3826.0	459.8	290.0	318.8	337.5	341.9	326.8	306.0	290.8
6620.2	67.5°	5651.1	4187.9	347.9	260.4	288.0	310.4	322.8	308.0	286.0	271.2
6780.4	70°	5620.4	3925.1	265.6	231.3	260.8	283.6	299.6	288.0	264.4	250.5
6158.8	72.5°	4992.0	3283.5	214.9	201.7	233.3	255.7	274.8	266.0	242.1	228.5
4511.9	75°	3667.4	2330.8	171.8	171.8	198.9	226.5	247.7	242.1	220.1	210.5
1894.2	77.5°	1545.9	977.9	134.6	142.6	165.4	194.5	220.9	222.9	203.7	215.7
500.9	80°	411.0	269.6	102.7	112.2	129.8	160.6	192.1	191.3	170.6	159.4
186.1	82.5°	156.6	106.3	73.1	79.1	93.9	123.0	152.2	157.0	136.2	117.8
73.1	85°	60.3	45.5	45.1	47.5	54.7	81.5	115.0	119.0	102.7	87.1
20.4	87.5°	15.6	13.6	16.8	16.0	25.2	43.5	65.9	68.3	62.7	36.4
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°
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1103.7
1053.0
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