

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: P846133

Luminaire Tested: **GLAN-SB1C-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846133  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6604 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

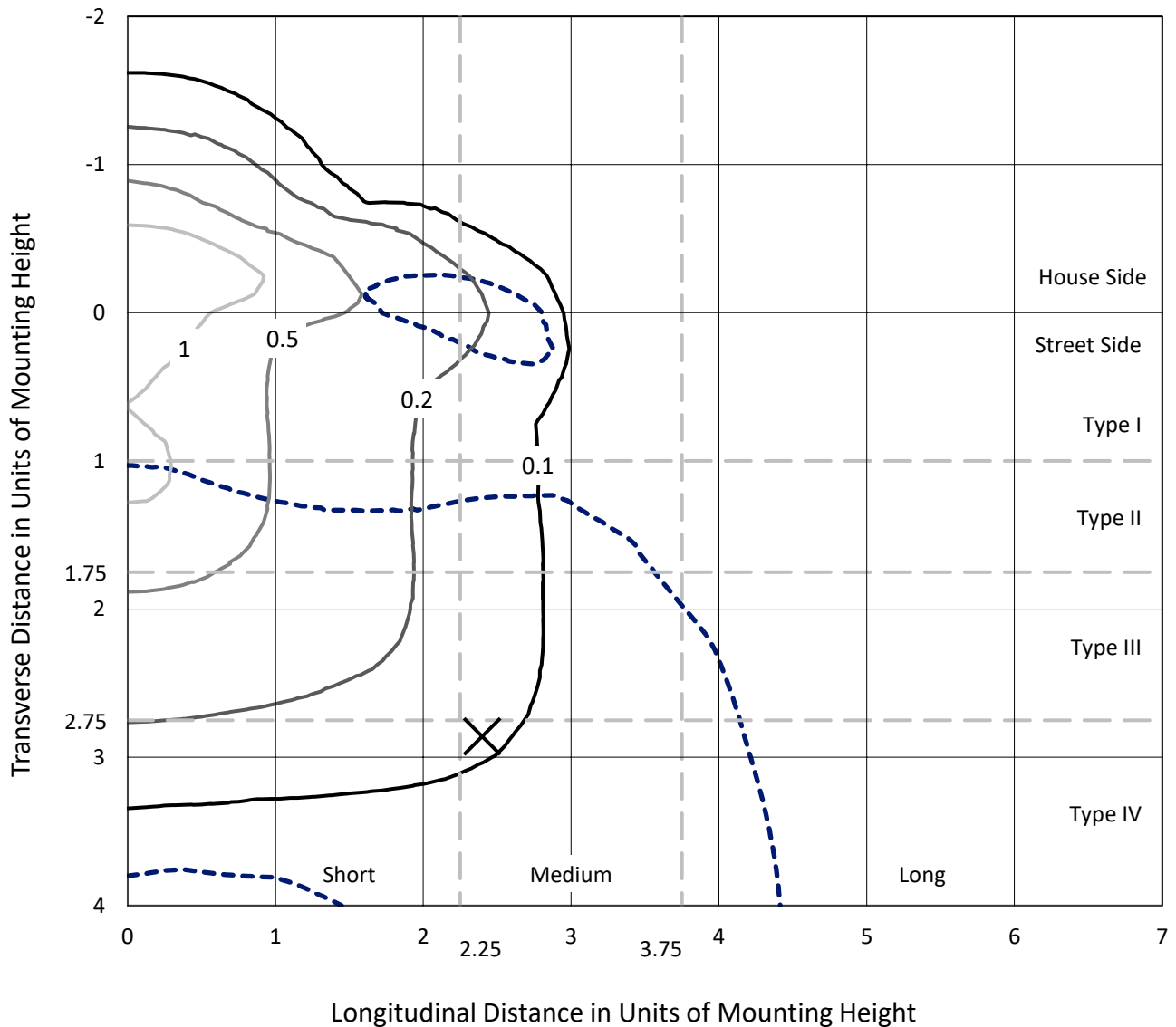
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

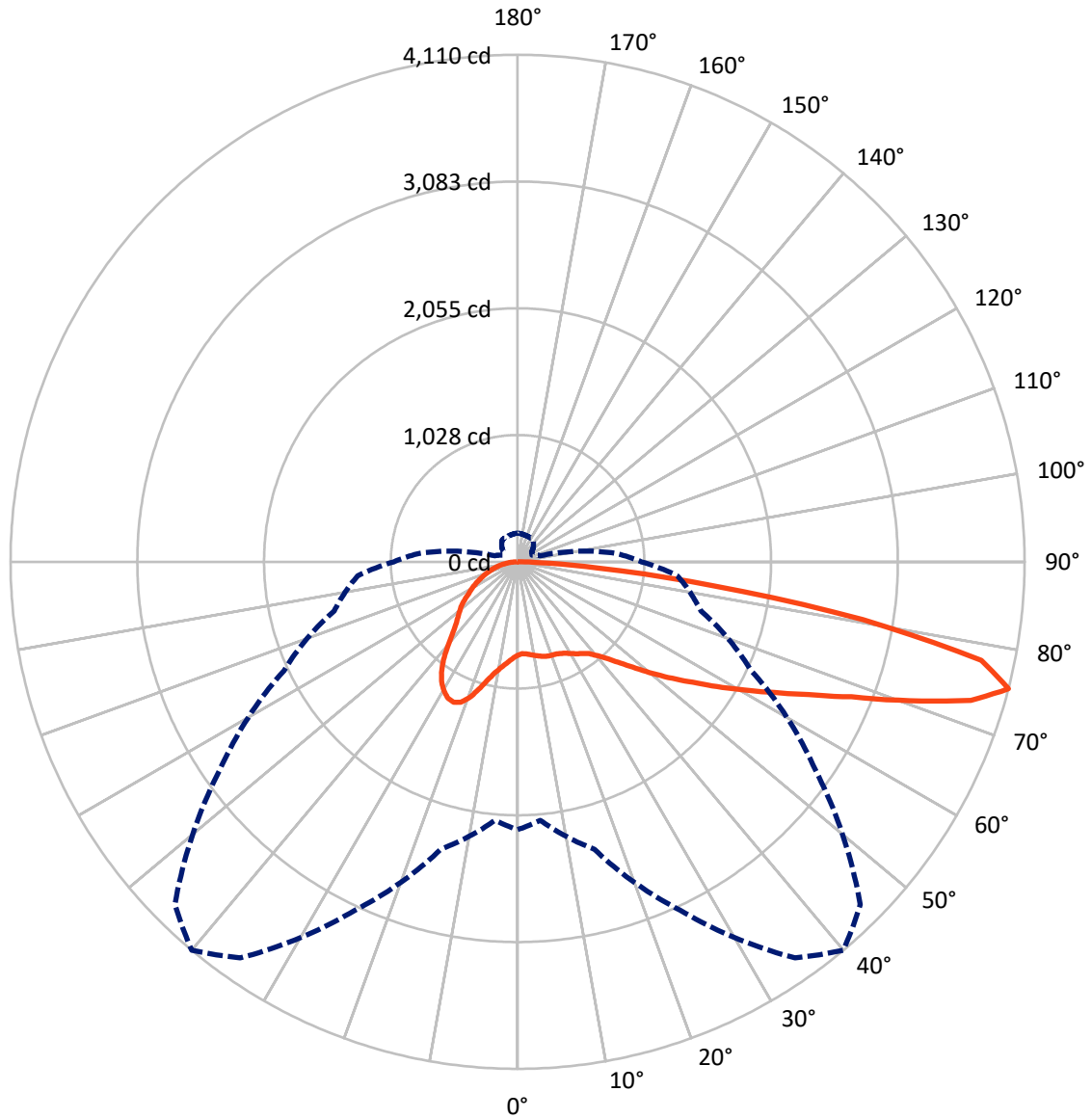
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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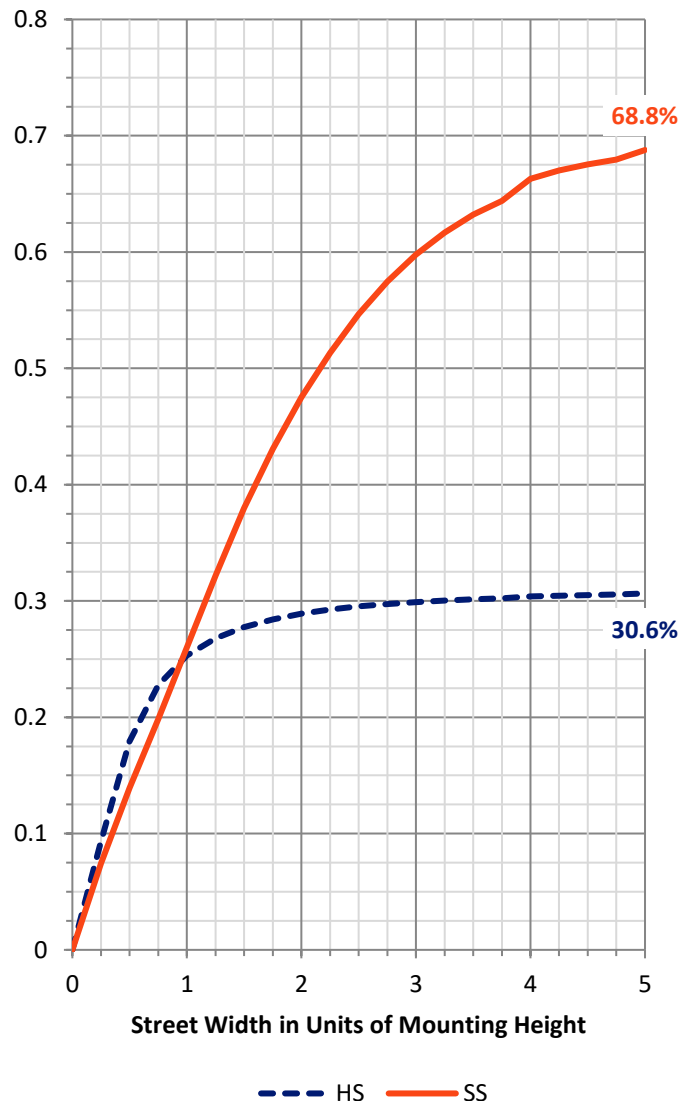
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2046.1	0.0	2046.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	4557.9	0.0	4557.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	6604.0	0.0	6604.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.4	1.1
10°-20°	253.1	3.8
20°-30°	462.1	7.0
30°-40°	655.4	9.9
40°-50°	885.0	13.4
50°-60°	1190.6	18.0
60°-70°	1511.1	22.9
70°-80°	1371.4	20.8
80°-90°	199.9	3.0
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°	6604.0	100.0
0°-180°	6604.0	100.0

**Coefficient of Utilization**

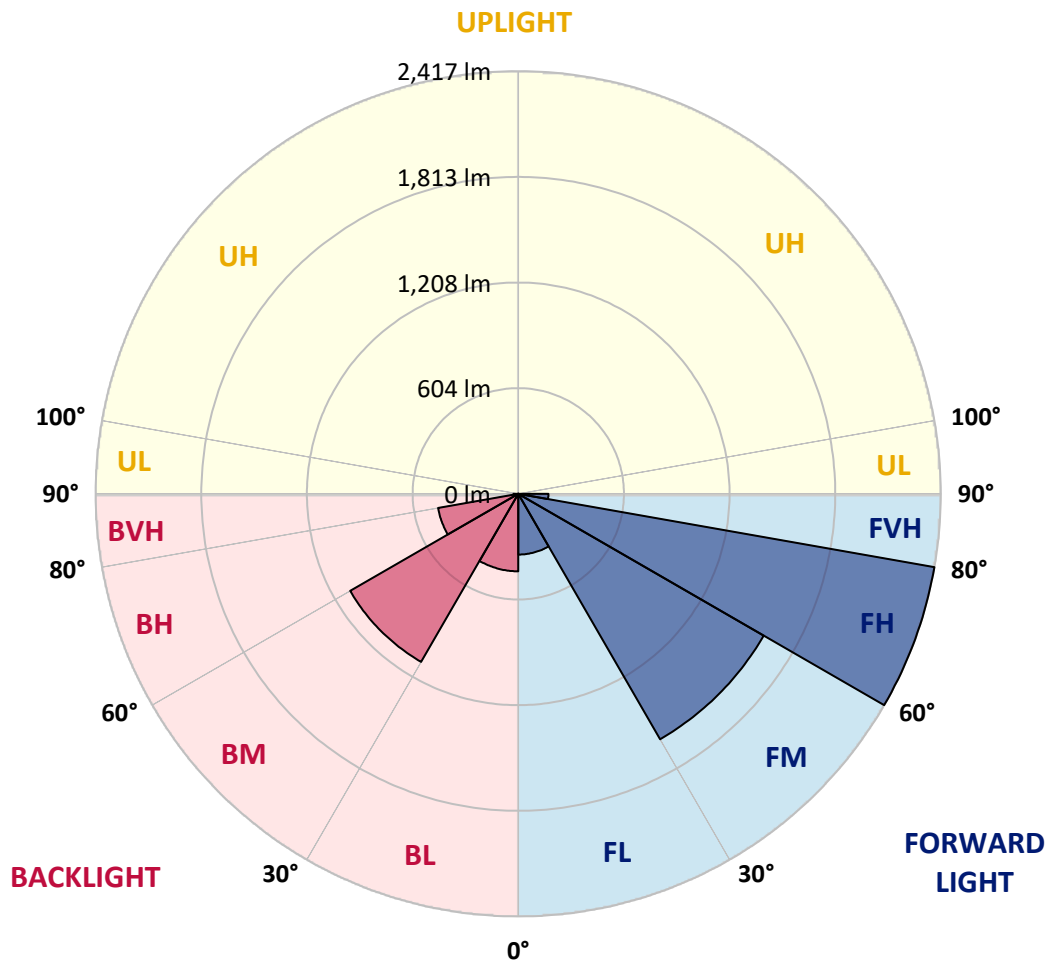


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.4	5.3			
FM (30°-60°)	1621.1	24.5			
FH (60°-80°)	2417.0	36.6			G2/5000
FVH (80°-90°)	172.4	2.6			G2/225
BL (0°-30°)	443.2	6.7	B1/500		
BM (30°-60°)	1109.8	16.8	B2/2500		
BH (60°-80°)	465.6	7.0	B1/500		G1/500
BVH (80°-90°)	27.5	0.4			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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2
2.5°	743.6	747.8	746.8	745.4	745.4	745.7	745.4	747.8	750.3	752.7
5°	751.3	755.5	753.4	751.7	750.3	749.9	748.9	748.5	749.9	753.1
7.5°	766.4	770.6	767.4	764.3	761.5	760.1	758.7	756.6	755.5	757.3
10°	783.2	787.4	783.5	777.9	773.4	771.6	770.2	768.1	766.7	767.8
12.5°	800.0	804.2	799.0	791.3	785.3	784.2	782.5	781.8	781.4	781.1
15°	815.8	819.3	812.6	803.5	797.2	795.5	793.7	794.8	796.5	798.6
17.5°	828.0	831.5	821.7	809.8	803.9	803.2	802.1	805.6	810.5	815.8
20°	839.2	842.7	830.1	814.0	807.0	807.0	807.4	814.7	821.7	829.4
22.5°	855.0	857.8	842.4	820.3	810.2	810.9	813.7	821.0	829.8	840.3
25°	878.5	880.6	861.7	832.2	820.7	822.8	825.2	828.7	837.1	849.4
27.5°	916.3	918.1	893.2	853.3	835.7	839.2	842.7	840.3	844.1	854.7
30°	969.5	970.6	939.1	886.2	861.3	863.1	863.8	853.6	846.2	854.7
32.5°	1032.6	1032.2	994.8	926.1	890.4	888.6	882.7	862.7	845.5	852.9
35°	1130.3	1126.5	1078.1	982.1	923.3	912.4	898.4	872.9	849.0	851.1
37.5°	1292.1	1280.2	1213.3	1073.9	972.3	944.7	924.0	889.3	856.8	850.4
40°	1474.6	1459.6	1386.0	1199.7	1045.9	1001.4	968.1	912.8	869.4	853.6
42.5°	1691.1	1669.7	1590.6	1347.8	1139.1	1074.6	1024.5	942.6	887.9	863.8
45°	1956.9	1928.6	1816.5	1514.9	1256.4	1170.6	1103.7	987.8	916.3	883.4
47.5°	2225.6	2232.6	2073.2	1706.2	1397.2	1289.0	1202.8	1055.7	957.6	914.9
50°	2511.1	2516.0	2328.6	1918.1	1556.9	1422.8	1314.2	1131.7	1015.1	959.7
52.5°	2733.8	2734.5	2560.5	2139.8	1723.3	1569.9	1434.3	1218.6	1081.6	1019.3
55°	2873.2	2871.5	2723.0	2349.6	1914.6	1724.4	1567.4	1317.4	1162.9	1089.3
57.5°	2974.5	2969.2	2835.1	2530.0	2118.4	1906.9	1718.1	1429.4	1258.9	1172.7
60°	3013.0	3009.8	2911.1	2685.8	2332.8	2108.6	1891.8	1554.8	1367.8	1271.1
62.5°	3027.7	3033.7	2985.7	2836.8	2562.2	2332.1	2082.7	1704.8	1490.4	1382.5
65°	3079.5	3090.4	3080.6	3034.4	2821.4	2593.7	2335.9	1883.0	1624.2	1501.9
67.5°	3182.2	3193.0	3197.2	3270.8	3138.0	2919.8	2651.9	2105.1	1780.8	1625.9
70°	3179.7	3176.6	3250.8	3458.9	3534.5	3371.3	3077.8	2378.3	1967.5	1728.9
72.5°	2894.3	2869.0	3044.5	3456.8	3864.5	3842.8	3597.9	2730.7	2128.6	1741.5
75°	2171.3	2104.1	2414.0	3115.3	3919.5	4110.4	3928.6	2949.3	2090.4	1538.7
77.5°	928.6	861.0	1226.3	2306.2	3507.9	3842.4	3625.3	2573.1	1668.7	1017.5
80°	243.1	242.7	370.6	1045.5	2385.7	2837.5	2489.3	1661.7	953.4	363.6
82.5°	100.5	98.1	136.3	406.7	1165.7	1592.3	1299.5	741.2	344.3	98.4
85°	37.5	37.1	66.2	140.5	411.2	656.8	475.3	189.5	85.8	48.0
87.5°	10.5	10.2	14.4	48.7	100.2	152.0	81.3	31.2	24.2	18.9
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°
755.2	0°	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2
756.6	2.5°	757.6	759.4	762.5	765.0	768.1	771.6	776.5	779.7	782.8	784.9
758.3	5°	760.8	764.6	772.7	780.7	790.2	799.0	809.1	816.5	822.4	824.2
764.6	7.5°	767.8	774.1	787.8	801.4	816.5	830.8	845.5	858.2	868.3	872.2
775.8	10°	780.0	788.5	807.7	827.0	846.9	869.0	887.9	906.1	920.5	926.5
789.2	12.5°	795.5	806.0	831.2	857.8	885.5	915.9	940.5	962.9	980.7	988.8
807.7	15°	815.4	829.1	861.3	897.0	937.7	980.0	1011.2	1036.1	1056.1	1065.9
827.0	17.5°	837.1	855.4	896.0	949.9	1008.1	1063.8	1100.2	1118.4	1139.1	1148.5
844.8	20°	858.2	880.6	938.7	1017.2	1094.6	1153.8	1183.2	1188.1	1189.5	1190.6
861.7	22.5°	879.9	910.0	992.3	1101.9	1185.0	1225.9	1230.1	1209.1	1179.7	1166.0
878.1	25°	903.7	943.6	1062.4	1195.5	1262.7	1267.6	1235.4	1184.3	1128.6	1103.0
891.4	27.5°	926.8	982.5	1146.4	1284.8	1318.8	1275.7	1206.3	1133.8	1066.6	1039.6
900.9	30°	949.9	1027.0	1239.2	1362.9	1344.3	1255.7	1160.4	1079.5	1011.9	983.6
909.3	32.5°	973.4	1078.8	1346.1	1419.3	1339.8	1213.3	1103.3	1018.6	959.0	929.3
916.6	35°	1000.0	1142.6	1447.3	1450.1	1309.3	1151.0	1028.0	945.7	893.9	870.1
925.4	37.5°	1034.7	1223.5	1536.6	1457.8	1256.1	1059.6	934.5	859.6	816.8	806.0
938.4	40°	1077.8	1320.9	1604.9	1445.6	1177.2	948.5	832.2	772.3	748.2	750.6
955.9	42.5°	1133.8	1429.8	1652.9	1414.0	1067.6	834.0	742.6	715.9	727.5	737.3
982.1	45°	1206.7	1542.9	1682.7	1360.4	943.6	737.0	689.7	696.0	704.7	705.8
1024.5	47.5°	1299.8	1657.5	1702.3	1279.5	817.2	668.7	656.1	657.5	655.7	648.3
1087.9	50°	1416.1	1768.8	1719.8	1172.3	709.6	625.9	609.1	604.2	580.0	556.2
1172.3	52.5°	1548.5	1871.1	1727.2	1039.2	625.9	590.2	562.9	532.1	486.9	479.5
1278.5	55°	1695.6	1965.7	1708.3	875.7	555.5	544.3	503.0	465.9	461.0	454.6
1418.2	57.5°	1871.5	2067.6	1669.7	693.2	483.4	490.7	450.4	454.6	445.9	436.1
1597.9	60°	2063.8	2173.1	1602.1	526.8	408.8	423.8	436.8	436.4	434.0	425.9
1787.4	62.5°	2236.8	2242.4	1469.0	403.5	343.3	372.0	407.4	407.0	404.9	400.4
1985.3	65°	2339.8	2231.9	1247.0	317.7	289.3	329.3	367.4	370.2	370.6	370.2
2134.2	67.5°	2321.6	2109.0	942.2	252.9	244.8	285.8	327.9	331.7	334.5	335.2
2153.1	70°	2115.6	1838.9	614.4	201.8	205.3	247.6	290.4	294.2	296.7	299.5
1868.3	72.5°	1649.1	1352.0	351.7	163.2	170.6	214.7	253.2	257.8	259.2	264.5
1300.2	75°	1004.9	795.1	189.8	128.5	140.1	183.5	216.5	221.7	224.2	230.5
638.5	77.5°	477.8	344.3	108.2	100.2	112.8	149.9	182.8	188.8	182.1	185.6
176.2	80°	161.5	127.8	68.3	76.4	86.2	117.0	146.4	152.4	138.4	137.7
58.5	82.5°	56.4	51.8	43.4	50.8	55.7	83.7	110.7	118.4	103.0	102.6
26.3	85°	22.1	21.0	24.2	27.7	33.3	51.5	72.9	76.7	63.4	51.1
7.7	87.5°	4.6	4.9	6.0	6.3	10.2	17.9	26.3	32.2	25.6	21.7
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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755.2
783.5
824.9
872.5
926.8
988.8
1065.2
1148.2
1193.4
1169.9
1106.8
1042.7
986.7
933.1
875.3
813.7
759.0
746.4
712.8
653.9
559.4
482.0
455.7
434.3
423.1
398.6
370.2
335.9
300.9
266.6
231.2
182.8
136.3
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50.4
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0.0

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