

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: P852241

Luminaire Tested: **GLAN-SB2B-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9557 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

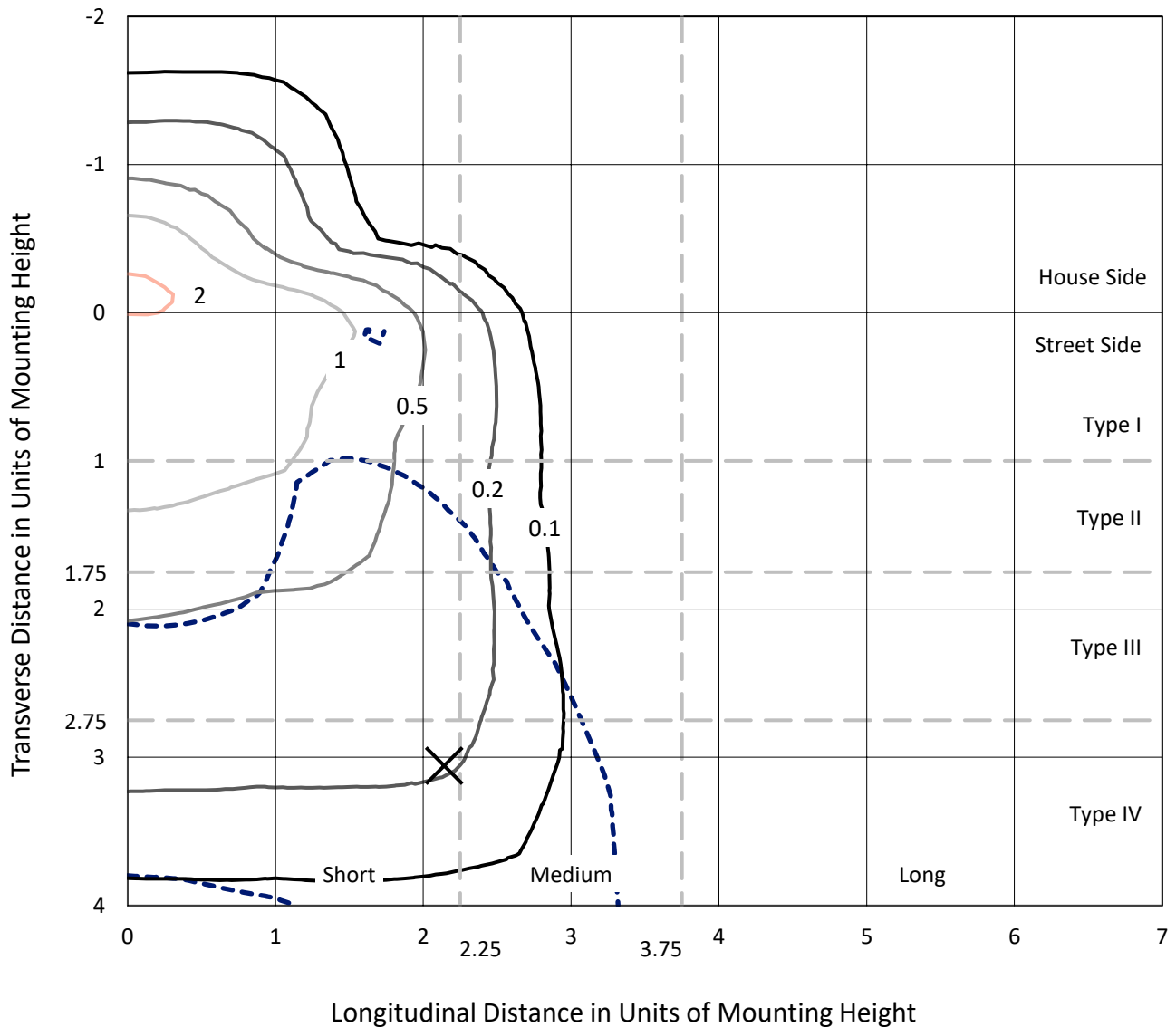
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852241
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Iso-Footcandle Lines of Horizontal Illumination

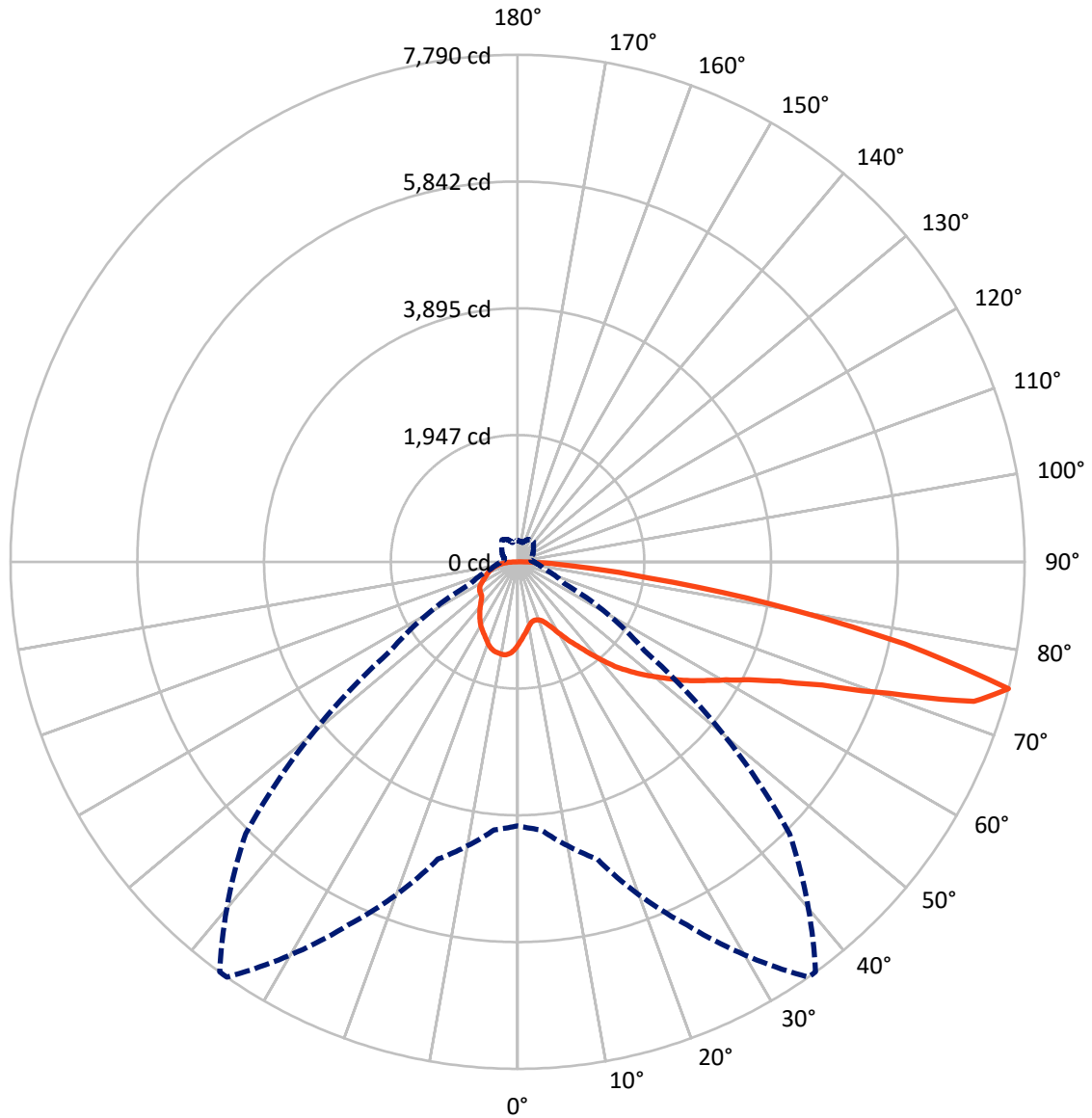
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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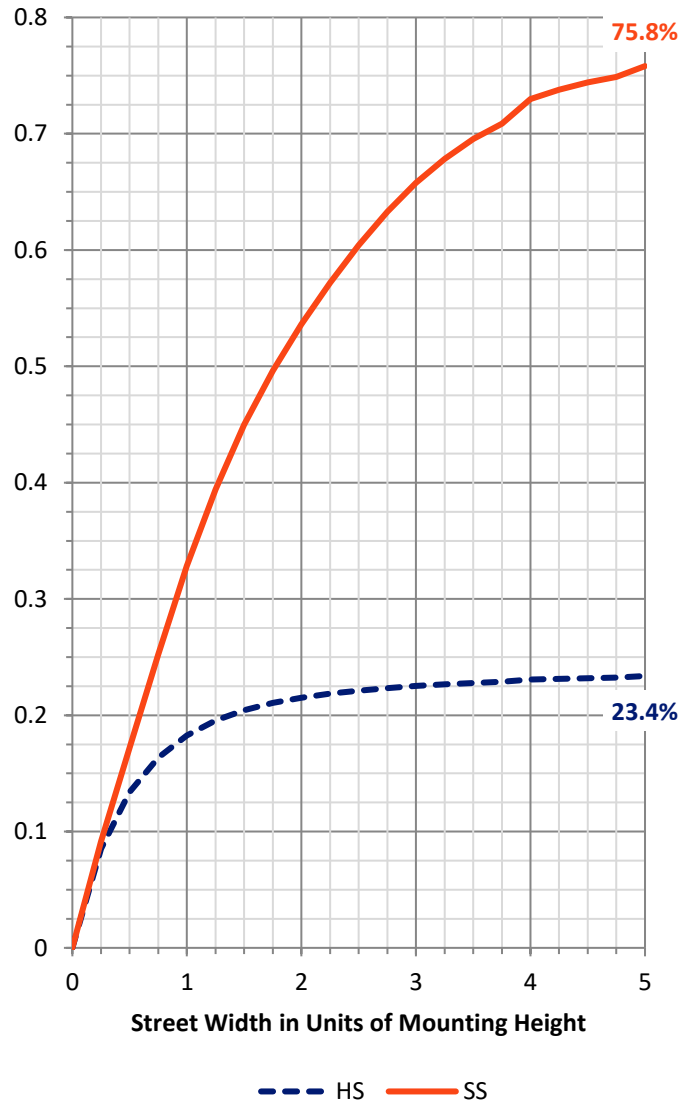
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2274.3	0.0	2274.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	7282.7	0.0	7282.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	9557.0	0.0	9557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	1.3
10°-20°	347.8	3.6
20°-30°	584.0	6.1
30°-40°	907.7	9.5
40°-50°	1347.3	14.1
50°-60°	1860.0	19.5
60°-70°	2256.6	23.6
70°-80°	1864.9	19.5
80°-90°	268.2	2.8
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°	9557.0	100.0
0°-180°	9557.0	100.0

Coefficient of Utilization



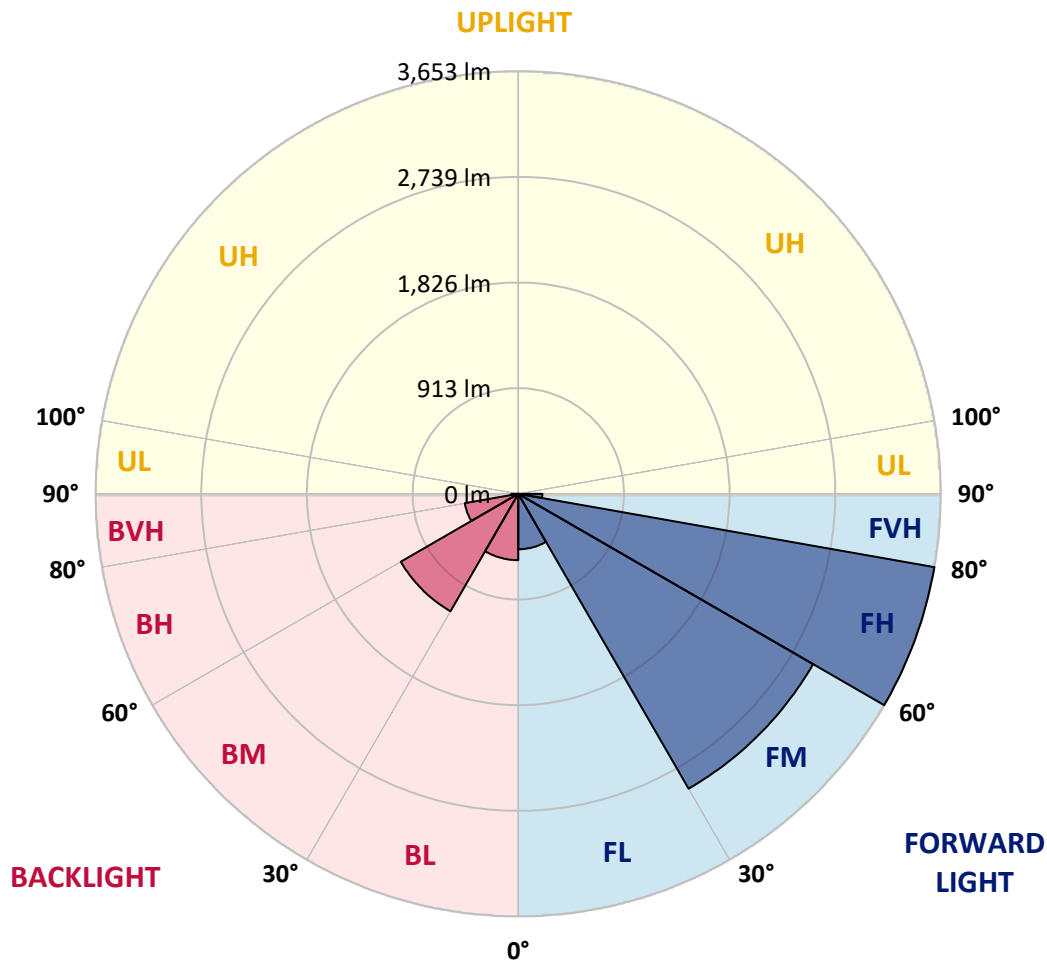
REPORT NUMBER: P852241
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.3	5.0			
FM (30°-60°)	2943.0	30.8			
FH (60°-80°)	3652.5	38.2			G2/5000
FVH (80°-90°)	207.8	2.2			G2/225
BL (0°-30°)	573.2	6.0	B2/1000		
BM (30°-60°)	1171.9	12.3	B2/2500		
BH (60°-80°)	468.9	4.9	B1/500		G1/500
BVH (80°-90°)	60.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5
2.5°	1174.3	1181.6	1184.7	1183.1	1190.9	1189.8	1200.7	1214.1	1232.7	1250.8
5°	1083.9	1091.7	1098.4	1104.6	1119.6	1124.2	1141.3	1167.1	1201.2	1235.8
7.5°	999.7	1006.4	1016.8	1028.1	1053.4	1058.1	1086.5	1126.8	1174.3	1225.0
10°	931.0	937.7	948.6	961.5	993.0	998.7	1034.8	1088.6	1150.6	1214.6
12.5°	901.5	903.6	909.8	922.7	950.1	953.7	993.5	1055.0	1127.3	1206.9
15°	900.0	904.1	904.6	911.4	934.1	935.6	972.3	1033.3	1112.9	1205.3
17.5°	915.5	918.6	913.9	918.1	937.2	939.8	968.7	1023.0	1108.2	1212.1
20°	956.8	959.4	945.5	939.8	953.7	955.8	984.2	1029.7	1112.9	1226.0
22.5°	1044.7	1046.2	1012.1	988.9	989.9	990.9	1015.7	1057.1	1130.9	1251.3
25°	1181.6	1180.5	1126.3	1081.3	1055.5	1049.8	1066.4	1101.5	1161.4	1284.9
27.5°	1341.7	1334.0	1279.7	1212.6	1156.3	1148.0	1144.4	1159.4	1204.8	1329.3
30°	1522.6	1515.3	1456.9	1369.1	1291.1	1277.7	1243.6	1235.8	1269.4	1389.8
32.5°	1721.0	1716.3	1646.6	1540.1	1435.8	1420.3	1362.9	1342.2	1368.6	1481.2
35°	1887.3	1883.2	1825.3	1715.8	1588.2	1569.1	1510.7	1487.4	1500.9	1598.5
37.5°	2037.7	2035.6	1986.0	1899.7	1768.0	1744.7	1679.1	1671.4	1668.8	1753.0
40°	2177.2	2172.0	2120.3	2074.9	1977.2	1956.0	1898.2	1891.4	1871.8	1943.1
42.5°	2331.6	2318.2	2243.3	2222.1	2195.7	2178.2	2143.6	2144.6	2101.2	2157.5
45°	2457.7	2449.9	2373.0	2360.6	2389.0	2381.7	2411.7	2419.5	2335.2	2382.3
47.5°	2593.1	2585.8	2520.7	2511.9	2588.9	2591.0	2696.9	2699.5	2563.6	2615.8
50°	2759.9	2749.6	2685.0	2695.9	2782.1	2789.9	2983.6	2966.1	2773.9	2852.9
52.5°	2870.0	2876.2	2862.2	2879.8	2997.6	3004.8	3265.7	3220.8	2982.1	3087.0
55°	2951.1	2963.5	3006.9	3047.2	3224.9	3232.1	3531.8	3463.1	3154.6	3304.0
57.5°	3055.5	3037.9	3119.0	3197.5	3440.9	3460.0	3790.6	3696.6	3307.6	3491.0
60°	3205.3	3192.9	3255.9	3372.2	3682.7	3713.1	4064.5	3906.9	3419.7	3639.3
62.5°	3509.1	3478.1	3487.9	3590.7	3987.5	4027.8	4373.4	4090.3	3475.5	3697.1
65°	3963.2	3910.0	3860.4	3931.7	4416.8	4456.6	4722.2	4234.4	3454.8	3585.0
67.5°	4535.1	4482.4	4421.5	4488.6	5049.2	5080.7	5152.5	4315.6	3292.1	3153.1
70°	5006.8	4987.2	5060.0	5336.4	6059.2	6060.3	5704.3	4248.4	2846.2	2235.5
72.5°	4944.3	4932.4	5316.3	6170.8	7332.3	7304.9	6226.6	3740.0	1917.3	1008.5
75°	4056.2	4133.2	4727.8	6155.8	7789.5	7785.9	5906.8	2377.6	793.1	418.0
77.5°	2175.1	2297.0	3069.4	4544.9	6080.9	6172.4	4152.8	831.8	340.5	267.6
80°	709.4	815.8	1223.4	2314.1	3951.3	3934.3	1779.8	326.5	233.0	189.6
82.5°	301.2	313.6	546.6	1092.7	2027.8	1996.3	566.8	187.5	163.8	129.7
85°	117.8	131.7	241.3	505.3	878.3	859.2	204.6	93.0	104.9	84.7
87.5°	38.7	47.0	86.3	173.1	273.3	263.5	50.1	32.0	45.5	38.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852241
 CATALOG NUMBER: GLAN-SB2B-850-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1273.5	0°	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5	1273.5
1277.2	2.5°	1284.4	1292.7	1302.5	1316.9	1329.3	1339.7	1350.5	1357.2	1359.8	1367.6
1279.2	5°	1293.7	1311.8	1336.0	1359.8	1383.1	1397.0	1409.4	1415.6	1421.3	1425.4
1284.9	7.5°	1309.2	1332.4	1370.7	1401.7	1421.3	1432.7	1440.9	1438.9	1440.9	1442.0
1291.1	10°	1322.6	1355.2	1400.6	1430.1	1445.1	1445.6	1443.5	1436.3	1432.7	1433.2
1300.4	12.5°	1338.6	1374.8	1423.9	1448.7	1452.8	1441.4	1432.7	1420.3	1415.6	1413.5
1314.4	15°	1360.3	1401.7	1449.2	1458.5	1448.2	1433.7	1418.7	1398.6	1388.2	1380.0
1338.1	17.5°	1386.7	1432.1	1468.8	1462.1	1439.9	1416.1	1391.8	1361.4	1340.2	1331.4
1370.7	20°	1423.4	1464.2	1483.8	1454.4	1420.8	1384.6	1343.3	1306.1	1286.5	1277.7
1412.0	22.5°	1467.8	1507.1	1498.3	1440.9	1393.4	1335.5	1283.9	1256.5	1246.7	1240.5
1465.2	25°	1521.0	1554.6	1508.6	1421.3	1348.4	1270.4	1230.7	1221.9	1217.2	1212.6
1530.3	27.5°	1590.2	1608.3	1516.4	1392.4	1278.2	1201.2	1186.7	1188.3	1186.7	1179.0
1620.7	30°	1681.7	1678.1	1523.6	1345.3	1197.6	1138.7	1139.7	1146.4	1147.5	1142.3
1746.8	32.5°	1802.1	1765.4	1527.2	1284.4	1120.6	1083.9	1085.0	1092.2	1097.4	1088.6
1911.6	35°	1947.8	1867.2	1521.5	1207.9	1061.2	1031.7	1024.0	1026.1	1027.6	1019.3
2111.5	37.5°	2117.7	1981.3	1496.2	1123.2	1012.1	980.6	964.1	950.1	941.8	934.1
2337.8	40°	2304.2	2105.9	1449.7	1040.5	957.3	926.3	901.5	875.2	847.3	837.0
2577.6	42.5°	2499.5	2234.0	1393.4	961.5	894.3	869.0	842.7	804.4	762.6	741.4
2826.6	45°	2702.1	2365.2	1338.1	883.5	829.7	818.9	788.4	742.4	697.0	670.1
3076.1	47.5°	2900.5	2489.2	1257.0	804.9	769.3	781.2	757.4	715.0	664.4	622.0
3323.6	50°	3090.1	2605.5	1124.2	725.4	720.2	769.8	747.1	686.1	628.2	574.0
3566.4	52.5°	3278.1	2699.5	954.2	653.0	693.9	766.7	733.6	666.5	595.7	538.9
3794.8	55°	3437.8	2748.0	790.5	591.0	655.6	740.4	717.6	643.2	549.7	489.3
3951.3	57.5°	3528.7	2708.8	654.1	530.1	602.9	697.0	690.2	593.6	494.9	448.4
3981.8	60°	3489.4	2549.7	542.5	476.9	552.8	649.9	642.7	544.5	453.1	409.2
3818.5	62.5°	3273.0	2246.4	454.1	430.4	507.3	601.9	595.2	506.8	421.1	378.7
3385.1	65°	2836.9	1827.4	385.4	391.6	461.4	544.0	553.8	475.3	395.8	354.4
2618.9	67.5°	2163.7	1323.6	331.7	358.0	416.4	487.2	515.6	452.6	374.6	335.3
1515.3	70°	1233.2	751.7	286.2	325.5	376.6	434.5	486.2	434.5	351.8	319.3
567.8	72.5°	467.6	345.1	247.5	292.9	338.4	390.1	453.6	406.1	325.5	301.2
293.5	75°	249.5	210.3	208.2	254.7	294.5	346.7	412.8	378.2	305.9	318.3
203.0	77.5°	170.0	148.8	174.1	218.0	246.4	298.6	369.4	335.8	265.0	264.0
140.5	80°	117.8	105.4	141.6	175.7	190.6	251.1	322.4	288.3	216.0	201.5
86.8	82.5°	70.8	68.7	105.9	131.2	134.8	193.7	267.1	241.8	176.7	154.0
51.7	85°	38.7	40.8	67.7	77.0	78.5	135.4	209.2	187.0	135.9	114.2
18.6	87.5°	10.8	13.9	24.8	30.5	37.7	70.3	124.5	111.1	68.2	47.5
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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<u>180°</u>
1273.5
1367.0
1426.5
1443.5
1434.2
1412.5
1382.5
1331.9
1276.6
1241.5
1212.6
1180.5
1144.9
1092.7
1025.0
939.3
841.6
744.0
668.0
617.4
569.3
532.7
484.1
442.2
403.0
372.0
347.7
329.1
315.2
297.1
328.6
243.3
192.7
155.0
115.2
47.5
0.0

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