

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: P845967

Luminaire Tested: **GLAN-SB1B-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3929 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

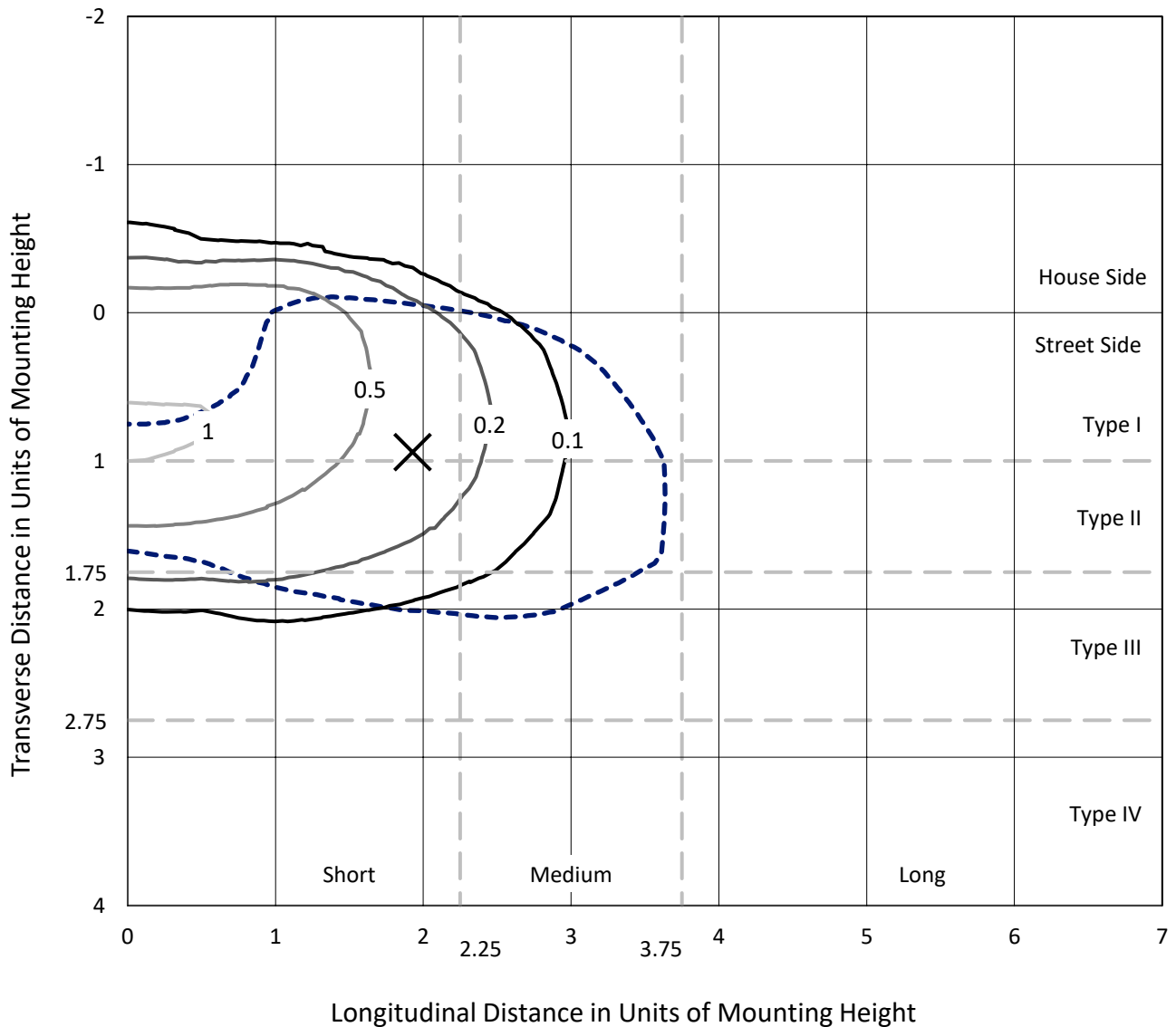
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

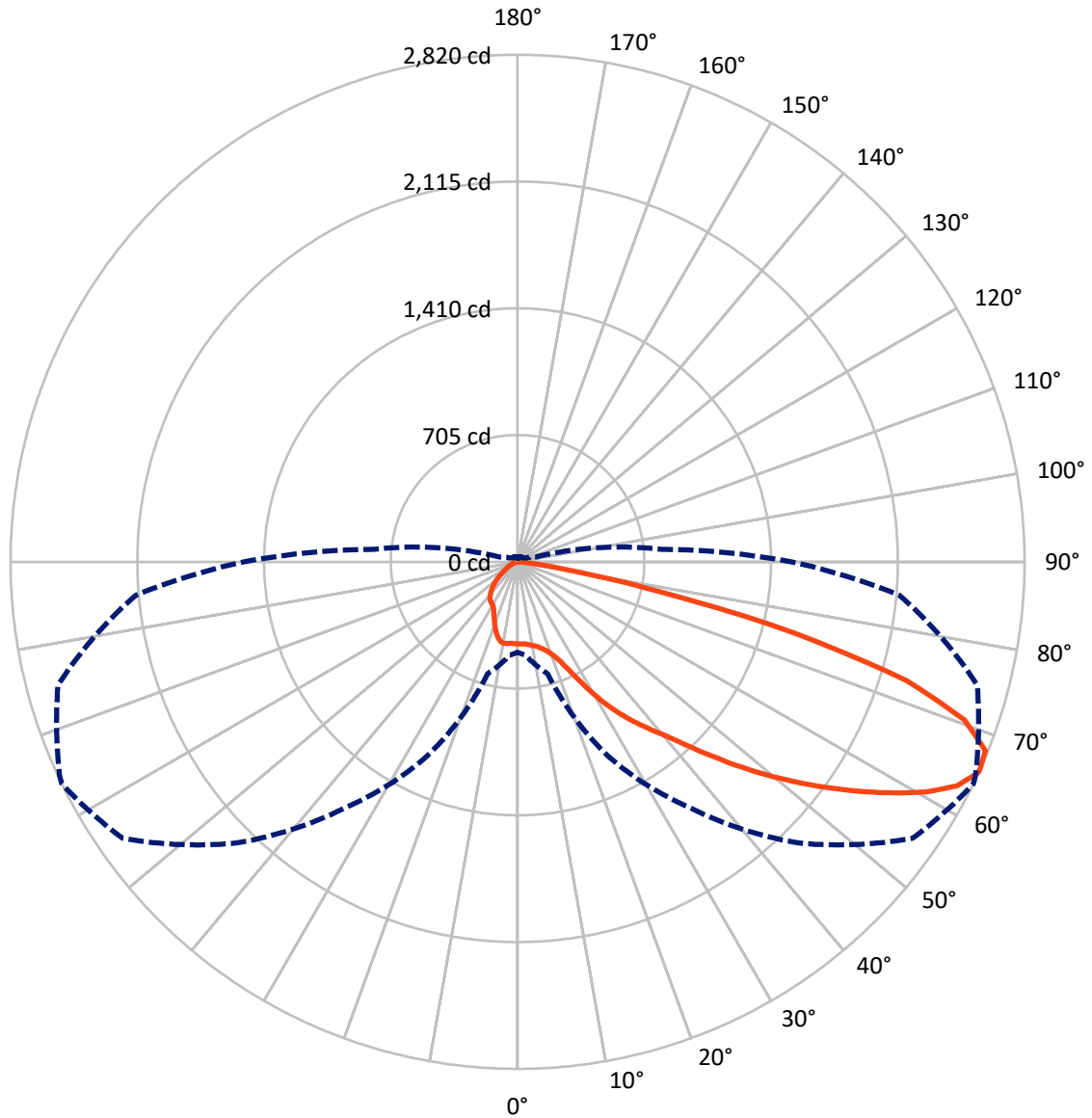
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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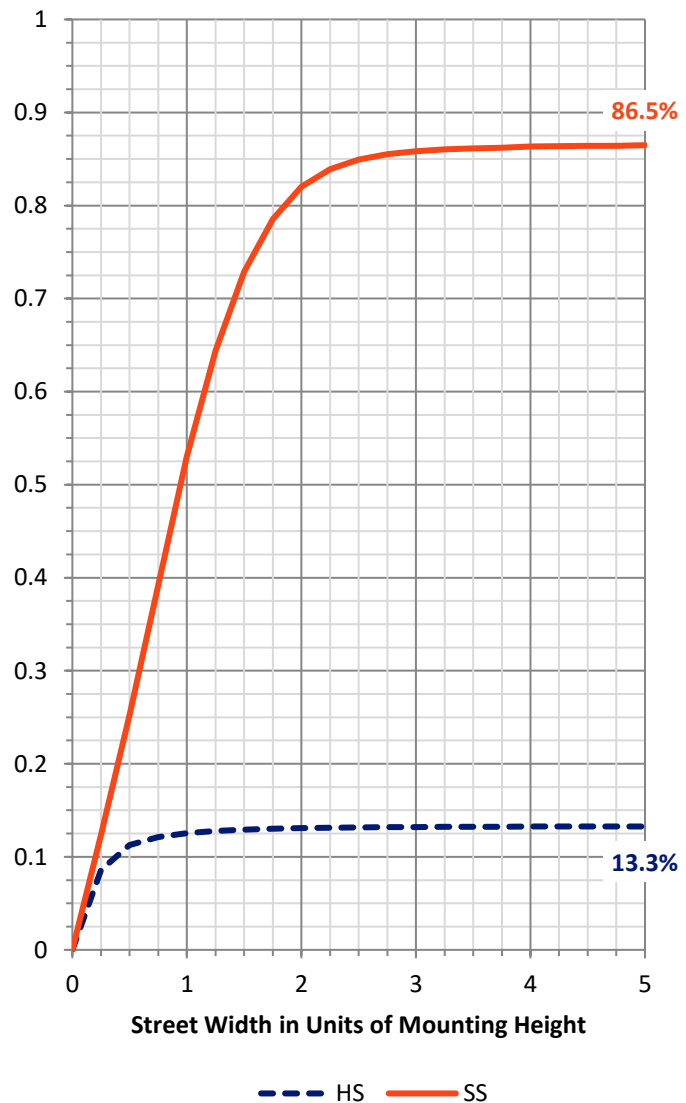
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	525.4	0.0	525.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3403.6	0.0	3403.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	3929.0	0.0	3929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.1
10°-20°	114.4	2.9
20°-30°	216.7	5.5
30°-40°	438.5	11.2
40°-50°	747.0	19.0
50°-60°	1015.8	25.9
60°-70°	953.9	24.3
70°-80°	382.2	9.7
80°-90°	18.5	0.5
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°	3929.0	100.0
0°-180°	3929.0	100.0

Coefficient of Utilization



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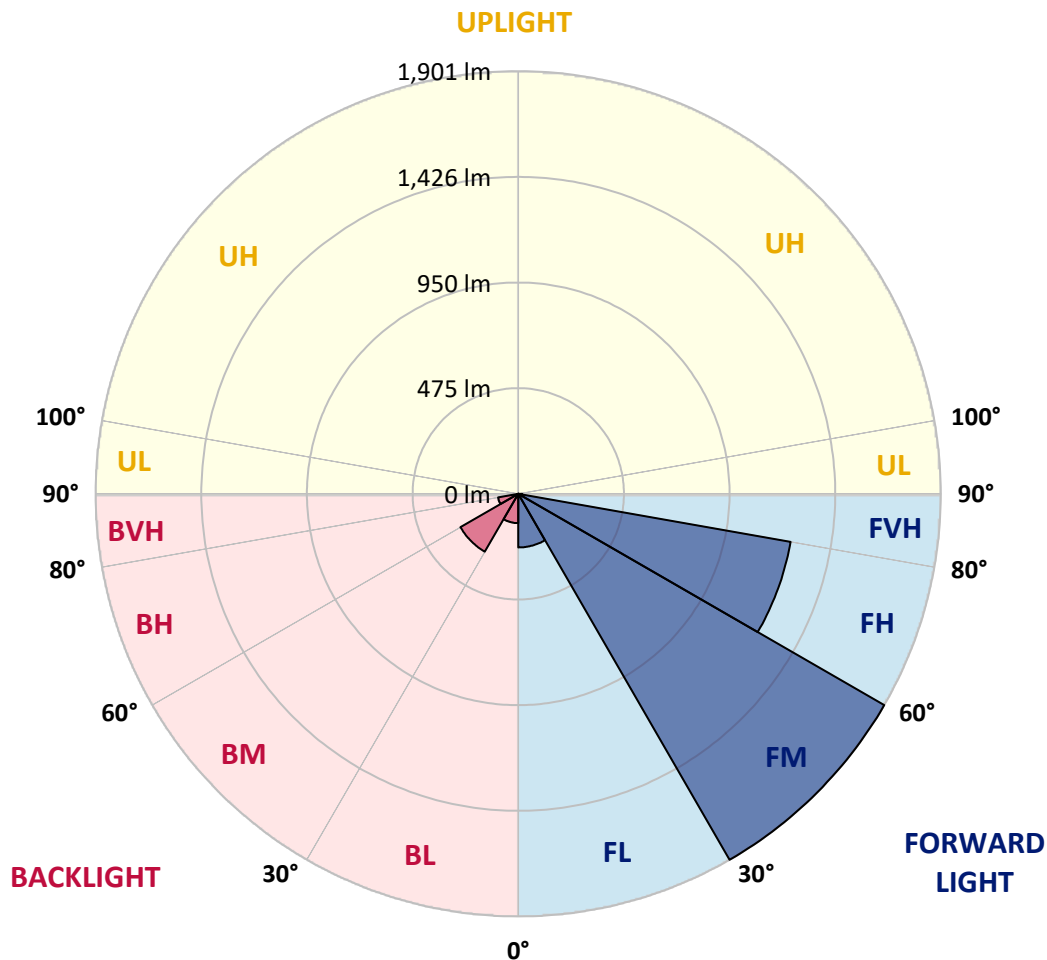
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.3	6.1			
FM (30°-60°)	1900.8	48.4			
FH (60°-80°)	1243.8	31.7			G1/1800
FVH (80°-90°)	17.6	0.4			G1/100
BL (0°-30°)	131.9	3.4	B1/500		
BM (30°-60°)	300.4	7.6	B1/1000		
BH (60°-80°)	92.2	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0
2.5°	455.4	458.6	457.8	457.0	456.7	457.2	457.5	457.2	457.2	457.2
5°	446.7	449.3	449.3	451.2	453.8	457.0	459.4	459.9	460.4	461.2
7.5°	430.1	432.2	433.8	439.9	446.4	454.9	462.0	465.7	466.2	469.1
10°	418.8	421.4	424.1	430.4	439.9	452.5	464.6	473.6	474.9	481.7
12.5°	418.3	420.9	424.3	431.2	442.2	455.7	470.4	483.3	485.7	495.7
15°	423.8	427.0	430.1	438.5	450.4	466.7	482.5	498.6	501.0	515.2
17.5°	435.1	439.3	441.7	450.1	462.8	481.0	501.8	520.2	522.3	538.9
20°	457.5	462.5	463.3	470.2	482.5	502.0	526.8	549.7	552.3	571.3
22.5°	503.9	511.0	504.7	508.1	519.1	538.6	565.5	594.5	598.2	619.8
25°	585.5	595.5	579.2	573.4	578.1	598.4	632.1	668.7	673.0	690.3
27.5°	745.9	733.0	708.3	684.0	669.8	681.4	719.3	764.6	769.9	786.7
30°	922.1	910.8	877.4	823.6	789.9	788.1	823.1	873.7	879.7	895.8
32.5°	1098.6	1087.8	1051.5	985.3	926.9	897.9	922.1	978.2	981.4	991.7
35°	1272.2	1261.1	1224.8	1157.1	1085.2	1019.3	1014.6	1077.8	1078.8	1089.6
37.5°	1446.8	1437.6	1398.9	1332.5	1261.6	1170.8	1126.8	1172.1	1173.4	1183.9
40°	1571.4	1575.3	1548.7	1497.4	1436.5	1337.2	1252.7	1272.4	1264.5	1282.2
42.5°	1678.3	1686.2	1663.1	1637.2	1601.9	1514.5	1408.6	1405.2	1392.5	1402.0
45°	1770.8	1777.4	1756.6	1750.5	1749.7	1688.3	1579.0	1558.5	1540.8	1539.0
47.5°	1804.8	1817.4	1826.4	1846.6	1886.1	1860.3	1755.2	1723.4	1703.6	1689.1
50°	1817.7	1831.1	1861.6	1920.6	2014.2	2025.2	1930.7	1894.8	1870.6	1844.3
52.5°	1800.3	1824.2	1865.3	1964.6	2100.3	2157.4	2099.0	2067.6	2040.0	1997.0
55°	1697.8	1721.8	1805.8	1964.1	2143.2	2250.1	2258.1	2244.1	2213.0	2145.3
57.5°	1481.8	1517.4	1650.4	1897.2	2142.4	2330.0	2414.0	2424.0	2389.2	2292.3
60°	1182.6	1230.8	1393.1	1748.9	2076.3	2373.2	2550.7	2600.7	2563.8	2437.2
62.5°	825.2	881.0	1034.6	1516.6	1925.1	2342.1	2650.5	2743.0	2715.0	2566.7
65°	503.3	521.3	645.0	1193.4	1668.1	2212.0	2681.3	2819.9	2810.6	2646.0
67.5°	335.3	350.3	385.9	818.4	1294.8	1952.0	2607.6	2806.4	2809.1	2633.1
70°	202.0	214.9	238.1	475.9	839.2	1545.1	2379.2	2635.2	2650.5	2460.6
72.5°	83.2	91.9	113.0	215.7	434.6	980.6	1894.6	2262.5	2298.1	2068.9
75°	47.1	51.6	66.4	108.3	188.6	457.0	1147.6	1606.2	1658.6	1426.0
77.5°	31.3	33.5	42.9	70.1	106.1	155.9	490.4	836.8	936.9	778.8
80°	21.1	22.9	29.5	46.9	69.0	66.9	156.2	310.0	381.4	267.6
82.5°	14.2	14.5	21.1	30.8	43.7	32.4	46.1	96.4	121.2	77.4
85°	8.2	7.9	15.5	17.9	19.5	13.4	14.0	29.0	37.9	32.7
87.5°	1.1	1.6	6.1	4.7	2.6	2.9	2.9	5.0	7.4	7.9
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°
457.0	0°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0
457.5	2.5°	457.5	457.2	456.5	455.7	453.8	452.8	453.3	452.8	452.5	452.8
460.9	5°	460.9	460.1	458.0	455.4	451.7	447.2	444.3	440.1	436.2	433.8
470.2	7.5°	470.2	469.4	466.5	459.1	447.2	428.5	411.4	396.4	385.1	378.5
484.9	10°	484.9	483.6	479.1	462.8	431.7	390.9	356.9	328.7	310.3	301.6
502.3	12.5°	502.3	500.7	492.8	459.4	402.2	338.5	291.6	260.2	243.1	235.5
522.3	15°	522.8	520.7	505.2	443.0	359.3	280.5	237.6	214.1	203.1	196.2
547.9	17.5°	548.4	544.7	514.4	418.5	312.6	236.3	204.4	186.7	177.0	170.4
581.3	20°	581.6	575.5	521.8	389.3	269.7	208.3	182.0	167.3	159.9	154.1
628.7	22.5°	627.9	619.2	530.7	357.7	239.4	189.1	165.4	154.6	148.6	142.0
694.8	25°	685.3	675.1	541.8	328.4	218.6	172.5	153.3	144.3	137.2	129.6
781.5	27.5°	765.7	747.2	555.0	304.5	200.7	158.3	142.2	132.2	124.1	117.7
879.7	30°	855.2	824.9	566.6	290.0	184.4	145.1	127.7	117.7	110.1	105.6
968.0	32.5°	940.0	899.0	574.2	283.7	169.6	130.1	111.9	101.1	95.3	94.0
1054.4	35°	1020.1	965.9	573.4	277.6	156.5	115.1	96.4	85.3	80.9	81.7
1147.3	37.5°	1112.3	1037.2	567.9	268.1	145.7	101.4	83.0	73.2	69.3	69.5
1260.3	40°	1219.5	1119.7	564.4	250.2	133.8	88.8	71.9	64.0	61.1	60.1
1379.4	42.5°	1333.8	1199.5	565.0	229.9	119.1	77.4	64.3	57.7	55.0	54.3
1511.9	45°	1448.7	1275.6	565.8	208.9	103.5	68.7	58.7	53.2	51.6	50.6
1646.2	47.5°	1556.6	1340.4	551.0	186.2	88.2	62.2	54.3	50.6	49.3	47.9
1781.1	50°	1657.3	1383.6	515.5	159.9	76.1	56.9	50.8	48.2	46.9	45.6
1903.3	52.5°	1735.5	1390.4	456.7	132.7	67.7	52.9	48.7	46.4	44.8	43.5
2002.0	55°	1770.3	1347.5	373.2	107.5	61.1	49.5	46.6	44.2	42.4	41.1
2079.7	57.5°	1761.3	1257.2	291.0	86.4	54.8	46.1	44.0	42.4	40.3	38.2
2142.7	60°	1717.3	1136.3	219.4	71.9	49.0	42.4	41.1	39.8	36.9	33.7
2166.9	62.5°	1641.2	984.3	156.5	59.5	42.7	38.2	37.7	36.6	32.4	26.6
2131.1	65°	1524.8	799.7	105.4	49.5	36.6	33.5	33.7	31.9	26.3	19.8
1999.9	67.5°	1354.6	584.7	67.4	40.6	30.6	27.9	28.2	27.1	22.4	16.9
1751.3	70°	1137.8	387.2	44.0	30.8	24.5	21.6	23.2	23.4	19.0	13.7
1344.1	72.5°	834.2	228.6	30.8	22.9	17.9	15.0	19.0	19.5	15.3	10.3
808.6	75°	475.4	108.5	23.2	16.6	11.1	10.5	14.7	14.7	10.5	6.8
350.0	77.5°	199.7	45.3	16.3	10.8	6.3	6.1	10.0	9.2	5.3	3.2
85.3	80°	57.7	20.3	8.7	5.3	2.6	2.4	4.0	2.9	1.3	0.5
32.4	82.5°	22.7	9.0	3.4	2.1	1.1	1.1	0.5	0.0	0.0	0.0
18.4	85°	13.4	3.7	1.6	0.8	0.3	0.0	0.0	0.0	0.0	0.0
4.0	87.5°	3.4	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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457.0
453.8
434.3
378.8
300.8
234.7
196.5
169.9
153.0
140.9
128.8
116.4
104.8
94.8
81.7
70.6
59.8
54.0
50.6
47.9
45.6
43.2
40.8
37.9
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