

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: P845997

Luminaire Tested: **GLAN-SB1B-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845997
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-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 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: 2980 lumens
Efficiency: N/A
Efficacy: 74.9 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

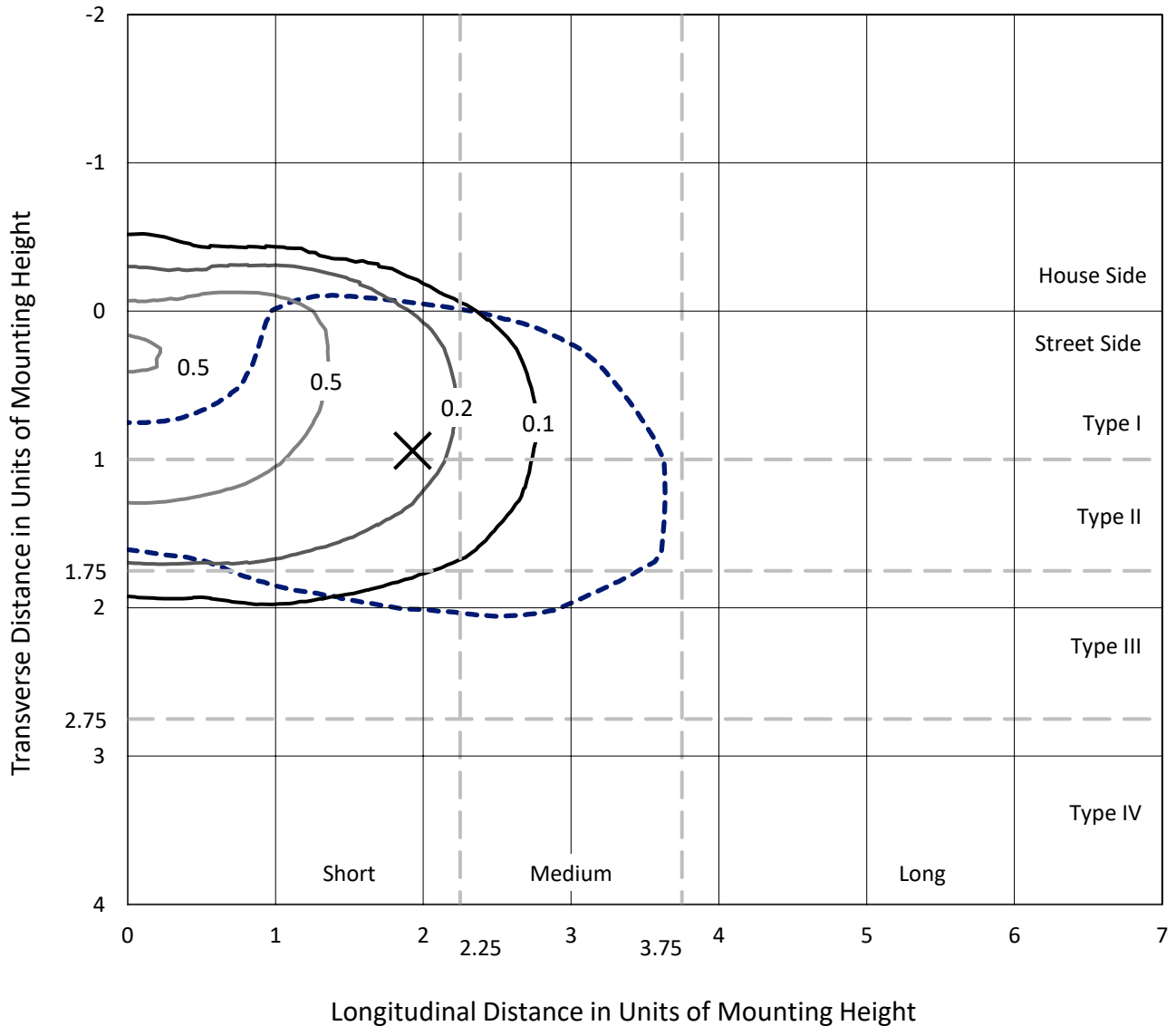
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

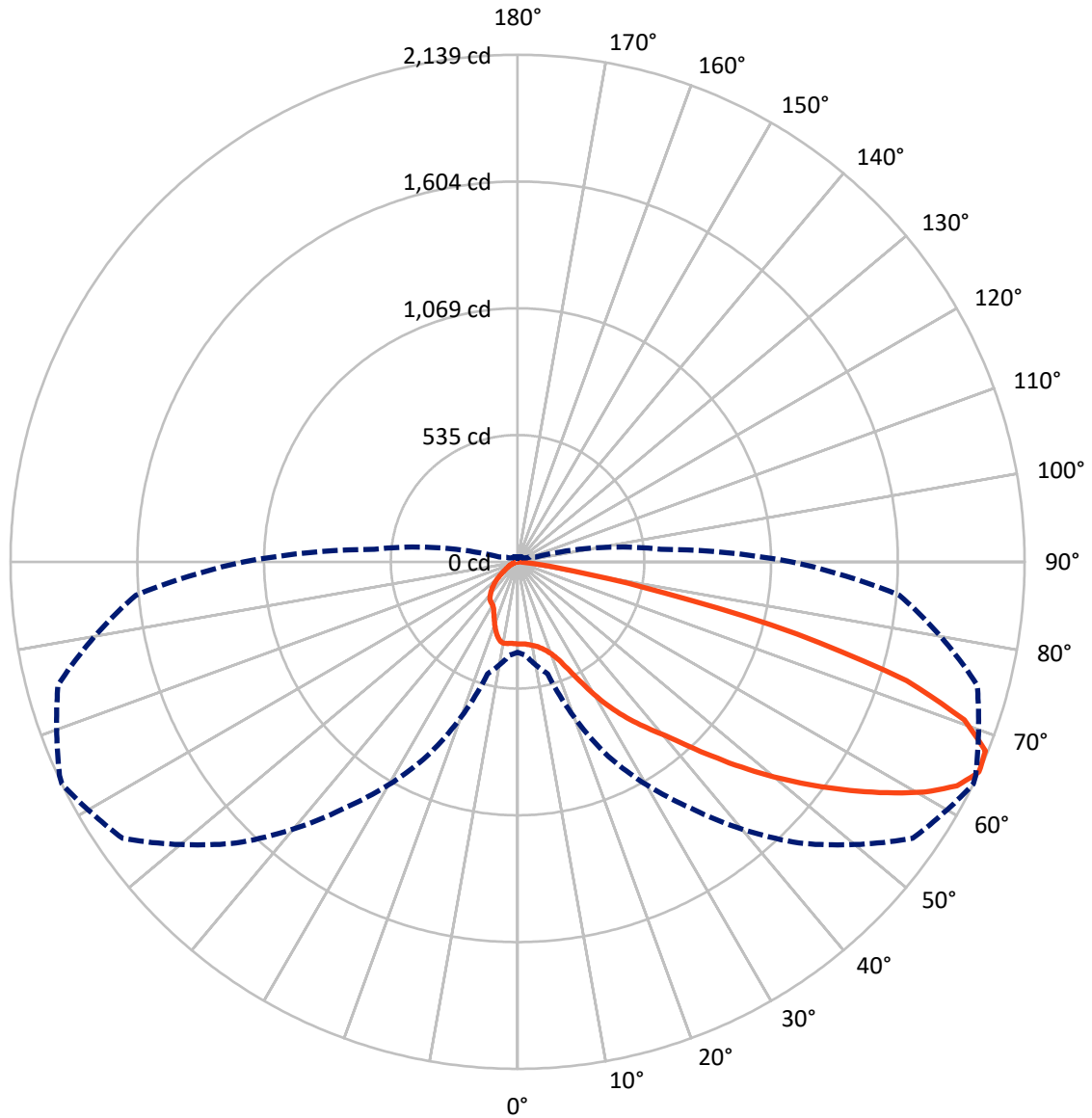
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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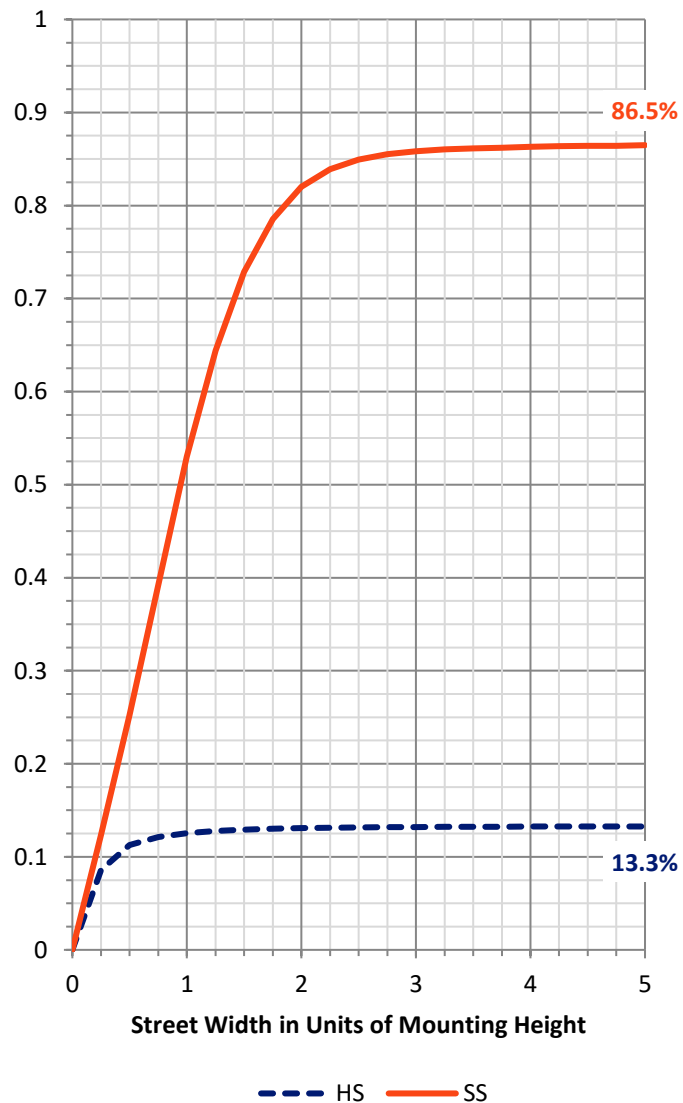
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.5	0.0	398.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2581.5	0.0	2581.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	2980.0	0.0	2980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	1.1
10°-20°	86.7	2.9
20°-30°	164.4	5.5
30°-40°	332.6	11.2
40°-50°	566.5	19.0
50°-60°	770.5	25.9
60°-70°	723.5	24.3
70°-80°	289.9	9.7
80°-90°	14.0	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°	2980.0	100.0
0°-180°	2980.0	100.0

Coefficient of Utilization



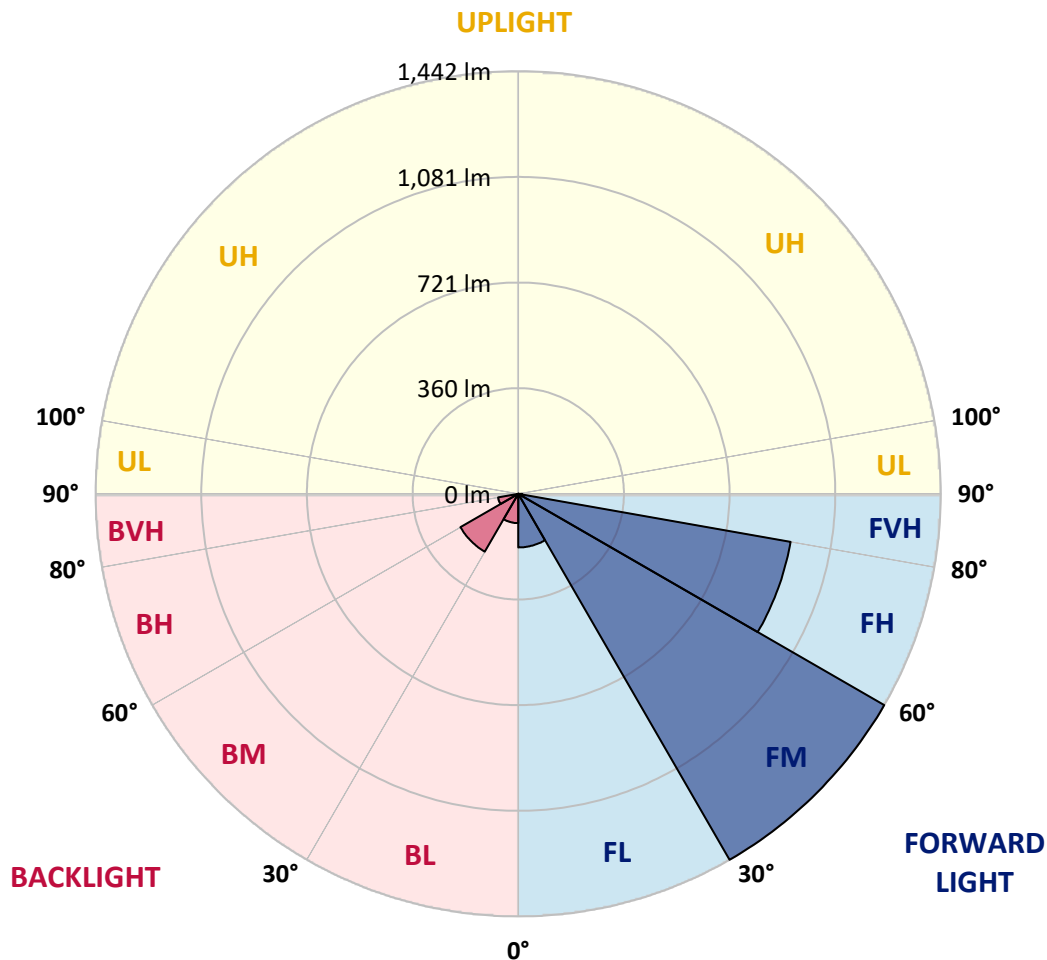
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.0	6.1			
FM (30°-60°)	1441.7	48.4			
FH (60°-80°)	943.4	31.7			G1/1800
FVH (80°-90°)	13.4	0.4			G1/100
BL (0°-30°)	100.1	3.4	B0/110		
BM (30°-60°)	227.8	7.6	B1/1000		
BH (60°-80°)	70.0	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	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°	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6
2.5°	345.4	347.8	347.2	346.6	346.4	346.8	347.0	346.8	346.8	346.8
5°	338.8	340.8	340.8	342.2	344.2	346.6	348.4	348.8	349.2	349.8
7.5°	326.2	327.8	329.0	333.6	338.6	345.0	350.4	353.2	353.6	355.8
10°	317.6	319.6	321.6	326.4	333.6	343.2	352.4	359.2	360.2	365.4
12.5°	317.2	319.2	321.8	327.0	335.4	345.6	356.8	366.6	368.4	376.0
15°	321.4	323.8	326.2	332.6	341.6	354.0	366.0	378.2	380.0	390.8
17.5°	330.0	333.2	335.0	341.4	351.0	364.8	380.6	394.6	396.1	408.7
20°	347.0	350.8	351.4	356.6	366.0	380.8	399.5	416.9	418.9	433.3
22.5°	382.2	387.6	382.8	385.4	393.8	408.5	428.9	450.9	453.7	470.1
25°	444.1	451.7	439.3	434.9	438.5	453.9	479.5	507.2	510.4	523.6
27.5°	565.8	556.0	537.2	518.8	508.0	516.8	545.6	579.9	583.9	596.7
30°	699.4	690.8	665.4	624.7	599.1	597.7	624.3	662.6	667.2	679.4
32.5°	833.3	825.1	797.5	747.3	703.0	681.0	699.4	742.0	744.4	752.1
35°	964.9	956.5	928.9	877.6	823.1	773.1	769.5	817.5	818.3	826.5
37.5°	1097.3	1090.4	1061.0	1010.6	956.9	888.0	854.6	889.0	890.0	898.0
40°	1191.8	1194.8	1174.7	1135.7	1089.6	1014.2	950.1	965.1	959.1	972.5
42.5°	1272.9	1278.9	1261.4	1241.8	1215.0	1148.7	1068.4	1065.8	1056.2	1063.4
45°	1343.1	1348.1	1332.3	1327.7	1327.1	1280.5	1197.6	1182.1	1168.7	1167.3
47.5°	1368.8	1378.4	1385.2	1400.6	1430.6	1411.0	1331.3	1307.1	1292.1	1281.1
50°	1378.6	1388.8	1412.0	1456.7	1527.7	1536.0	1464.3	1437.2	1418.8	1398.8
52.5°	1365.4	1383.6	1414.8	1490.1	1593.0	1636.3	1592.0	1568.2	1547.2	1514.7
55°	1287.7	1305.9	1369.6	1489.7	1625.5	1706.7	1712.6	1702.1	1678.5	1627.1
57.5°	1123.9	1150.9	1251.8	1439.0	1624.9	1767.2	1830.9	1838.5	1812.1	1738.6
60°	897.0	933.5	1056.6	1326.5	1574.8	1799.9	1934.6	1972.6	1944.6	1848.5
62.5°	625.9	668.2	784.7	1150.3	1460.1	1776.4	2010.3	2080.4	2059.3	1946.8
65°	381.8	395.3	489.2	905.2	1265.2	1677.7	2033.7	2138.8	2131.8	2006.9
67.5°	254.3	265.7	292.7	620.7	982.1	1480.5	1977.7	2128.6	2130.6	1997.1
70°	153.2	163.0	180.6	361.0	636.5	1171.9	1804.5	1998.7	2010.3	1866.3
72.5°	63.1	69.7	85.7	163.6	329.6	743.8	1437.0	1716.0	1743.0	1569.2
75°	35.8	39.2	50.3	82.1	143.0	346.6	870.4	1218.2	1258.0	1081.6
77.5°	23.8	25.4	32.6	53.1	80.5	118.3	372.0	634.7	710.6	590.7
80°	16.0	17.4	22.4	35.6	52.3	50.7	118.5	235.1	289.3	203.0
82.5°	10.8	11.0	16.0	23.4	33.2	24.6	35.0	73.1	91.9	58.7
85°	6.2	6.0	11.8	13.6	14.8	10.2	10.6	22.0	28.8	24.8
87.5°	0.8	1.2	4.6	3.6	2.0	2.2	2.2	3.8	5.6	6.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
346.6	0°	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6
347.0	2.5°	347.0	346.8	346.2	345.6	344.2	343.4	343.8	343.4	343.2	343.4
349.6	5°	349.6	349.0	347.4	345.4	342.6	339.2	337.0	333.8	330.8	329.0
356.6	7.5°	356.6	356.0	353.8	348.2	339.2	325.0	312.0	300.7	292.1	287.1
367.8	10°	367.8	366.8	363.4	351.0	327.4	296.5	270.7	249.3	235.3	228.7
381.0	12.5°	381.0	379.8	373.8	348.4	305.1	256.7	221.1	197.4	184.4	178.6
396.1	15°	396.5	394.9	383.2	336.0	272.5	212.8	180.2	162.4	154.0	148.8
415.5	17.5°	415.9	413.1	390.2	317.4	237.1	179.2	155.0	141.6	134.2	129.3
440.9	20°	441.1	436.5	395.7	295.3	204.6	158.0	138.0	126.9	121.3	116.9
476.9	22.5°	476.3	469.7	402.5	271.3	181.6	143.4	125.5	117.3	112.7	107.7
527.0	25°	519.8	512.0	410.9	249.1	165.8	130.9	116.3	109.5	104.1	98.3
592.7	27.5°	580.7	566.8	420.9	230.9	152.2	120.1	107.9	100.3	94.1	89.3
667.2	30°	648.7	625.7	429.7	219.9	139.8	110.1	96.9	89.3	83.5	80.1
734.2	32.5°	713.0	681.8	435.5	215.2	128.7	98.7	84.9	76.7	72.3	71.3
799.7	35°	773.7	732.6	434.9	210.6	118.7	87.3	73.1	64.7	61.3	61.9
870.2	37.5°	843.6	786.7	430.7	203.4	110.5	76.9	62.9	55.5	52.5	52.7
955.9	40°	924.9	849.2	428.1	189.8	101.5	67.3	54.5	48.5	46.3	45.5
1046.2	42.5°	1011.6	909.8	428.5	174.4	90.3	58.7	48.7	43.8	41.8	41.2
1146.7	45°	1098.7	967.5	429.1	158.4	78.5	52.1	44.5	40.4	39.2	38.4
1248.6	47.5°	1180.7	1016.6	417.9	141.2	66.9	47.1	41.2	38.4	37.4	36.4
1350.9	50°	1257.0	1049.4	391.0	121.3	57.7	43.2	38.6	36.6	35.6	34.6
1443.6	52.5°	1316.3	1054.6	346.4	100.7	51.3	40.2	37.0	35.2	34.0	33.0
1518.5	55°	1342.7	1022.0	283.1	81.5	46.3	37.6	35.4	33.6	32.2	31.2
1577.4	57.5°	1335.9	953.5	220.7	65.5	41.6	35.0	33.4	32.2	30.6	29.0
1625.1	60°	1302.5	861.8	166.4	54.5	37.2	32.2	31.2	30.2	28.0	25.6
1643.5	62.5°	1244.8	746.5	118.7	45.1	32.4	29.0	28.6	27.8	24.6	20.2
1616.4	65°	1156.5	606.5	79.9	37.6	27.8	25.4	25.6	24.2	20.0	15.0
1516.9	67.5°	1027.4	443.5	51.1	30.8	23.2	21.2	21.4	20.6	17.0	12.8
1328.3	70°	863.0	293.7	33.4	23.4	18.6	16.4	17.6	17.8	14.4	10.4
1019.4	72.5°	632.7	173.4	23.4	17.4	13.6	11.4	14.4	14.8	11.6	7.8
613.3	75°	360.6	82.3	17.6	12.6	8.4	8.0	11.2	11.2	8.0	5.2
265.5	77.5°	151.4	34.4	12.4	8.2	4.8	4.6	7.6	7.0	4.0	2.4
64.7	80°	43.8	15.4	6.6	4.0	2.0	1.8	3.0	2.2	1.0	0.4
24.6	82.5°	17.2	6.8	2.6	1.6	0.8	0.8	0.4	0.0	0.0	0.0
14.0	85°	10.2	2.8	1.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0
3.0	87.5°	2.6	0.6	0.4	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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