

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: P845867

Luminaire Tested: **GLAN-SB1B-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845867
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-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 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: 3455 lumens
Efficiency: N/A
Efficacy: 86.8 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

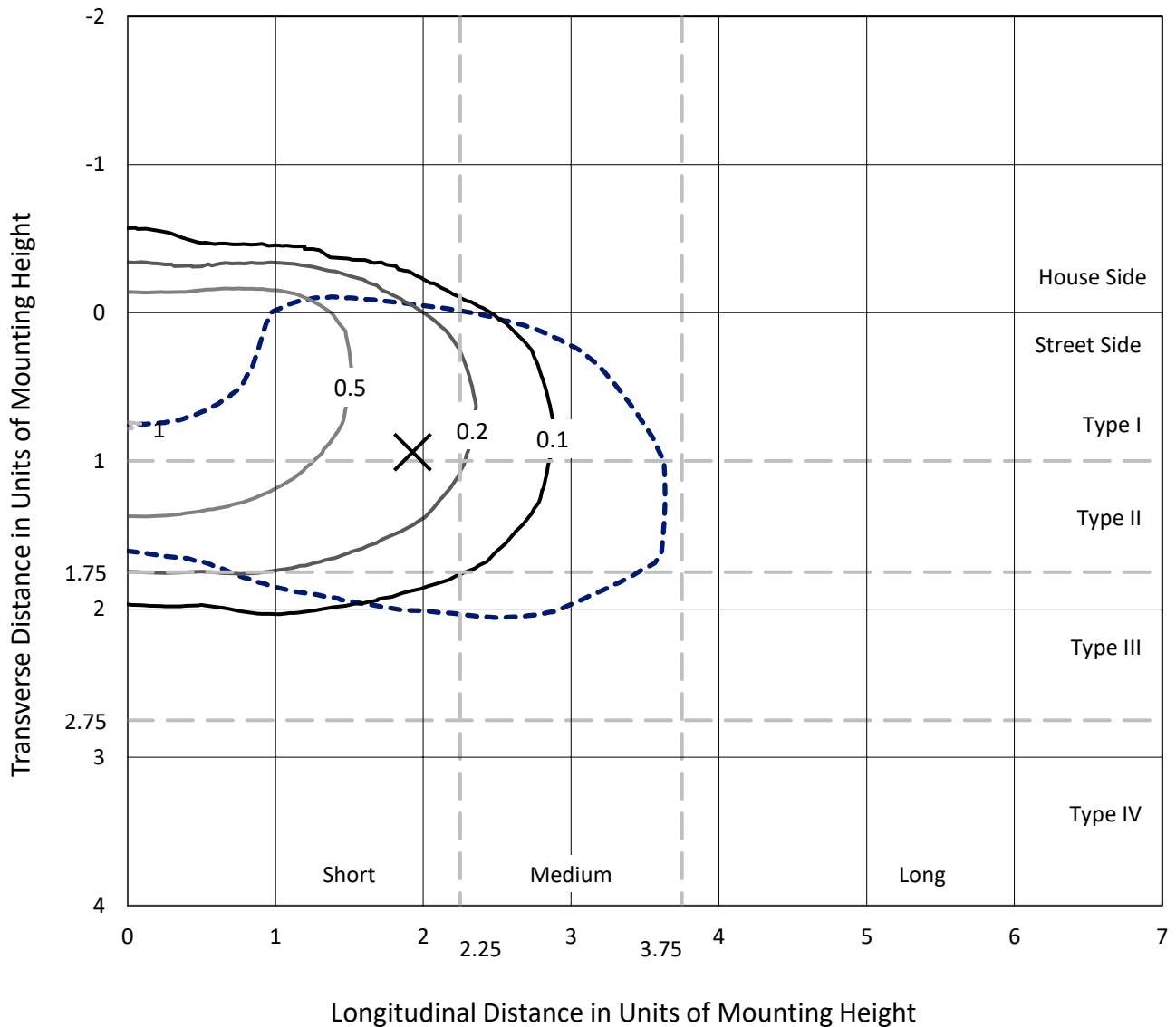
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

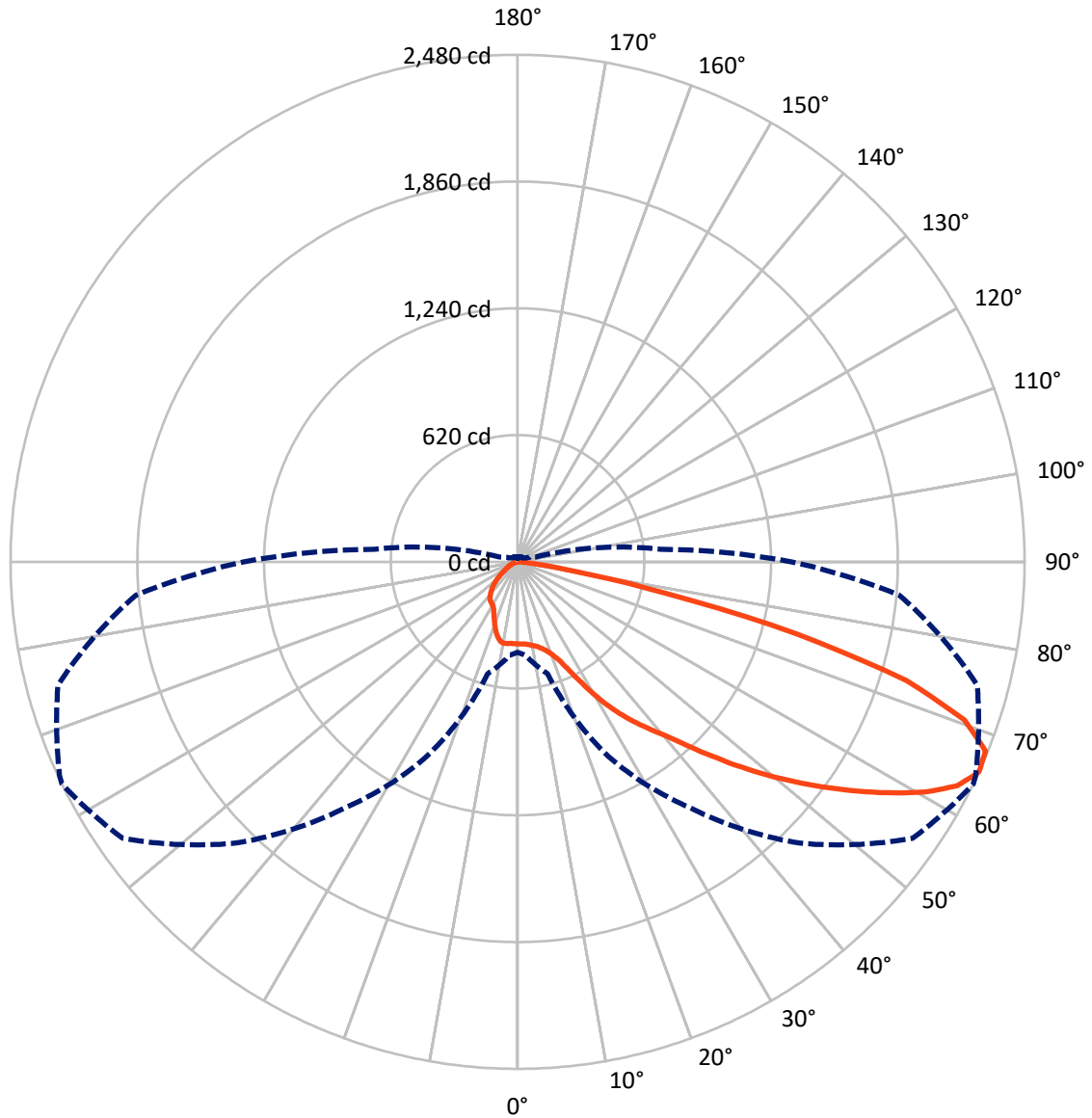
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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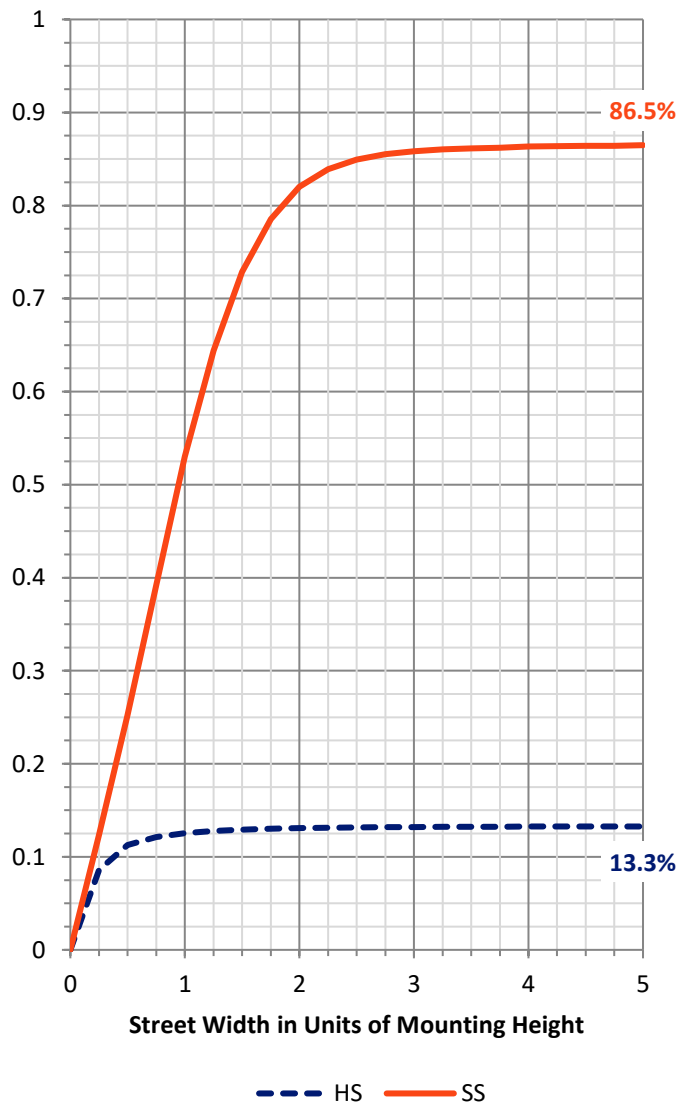
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	462.0	0.0	462.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2993.0	0.0	2993.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	3455.0	0.0	3455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.1
10°-20°	100.6	2.9
20°-30°	190.5	5.5
30°-40°	385.6	11.2
40°-50°	656.8	19.0
50°-60°	893.3	25.9
60°-70°	838.8	24.3
70°-80°	336.1	9.7
80°-90°	16.3	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°	3455.0	100.0
0°-180°	3455.0	100.0

Coefficient of Utilization



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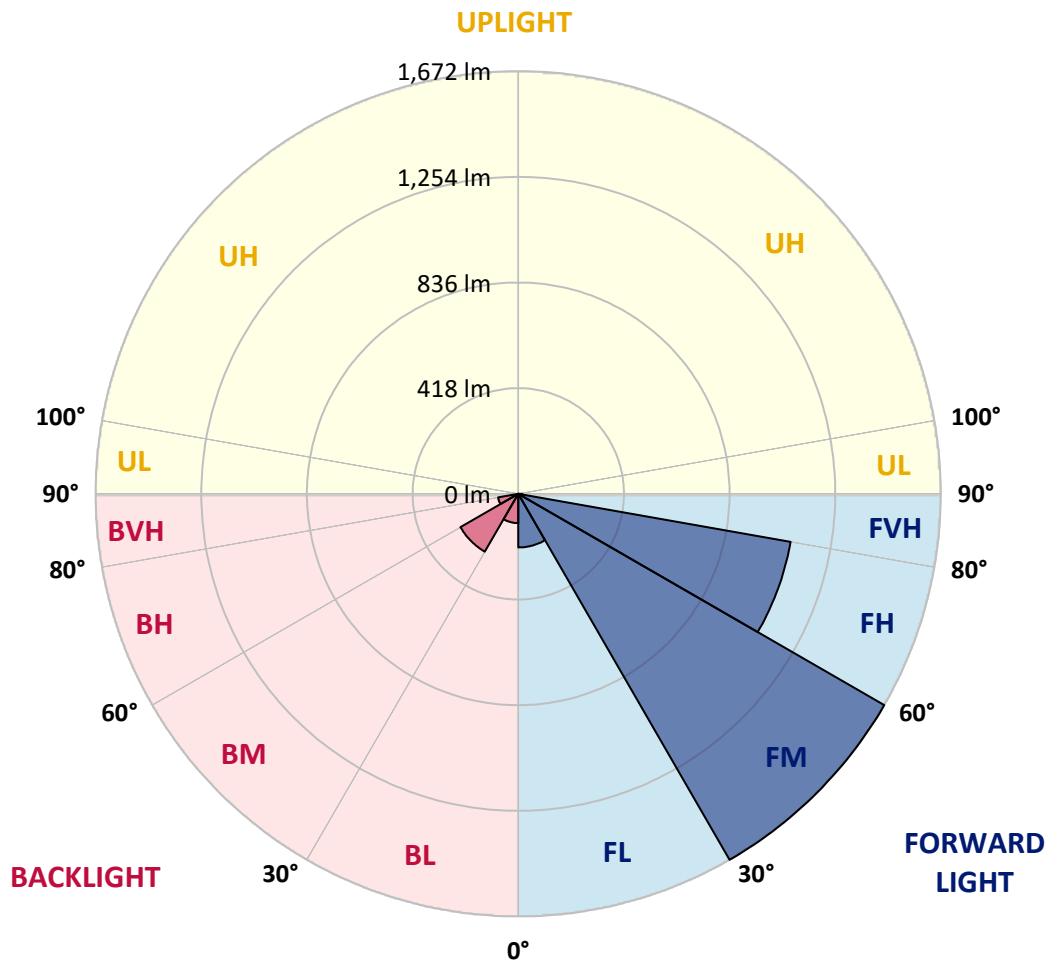
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.2	6.1			
FM (30°-60°)	1671.5	48.4			
FH (60°-80°)	1093.8	31.7			G1/1800
FVH (80°-90°)	15.5	0.4			G1/100
BL (0°-30°)	116.0	3.4	B1/500		
BM (30°-60°)	264.1	7.6	B1/1000		
BH (60°-80°)	81.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.8	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°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9
2.5°	400.5	403.2	402.5	401.9	401.6	402.1	402.3	402.1	402.1	402.1
5°	392.8	395.1	395.1	396.8	399.1	401.9	403.9	404.4	404.9	405.6
7.5°	378.2	380.1	381.5	386.8	392.6	400.0	406.3	409.5	410.0	412.5
10°	368.3	370.6	372.9	378.5	386.8	397.9	408.6	416.4	417.6	423.6
12.5°	367.8	370.1	373.1	379.2	388.9	400.7	413.7	425.0	427.1	435.9
15°	372.7	375.4	378.2	385.6	396.1	410.4	424.3	438.4	440.5	453.0
17.5°	382.6	386.3	388.4	395.8	406.9	422.9	441.2	457.4	459.3	473.9
20°	402.3	406.7	407.4	413.4	424.3	441.5	463.2	483.4	485.7	502.4
22.5°	443.1	449.3	443.8	446.8	456.5	473.7	497.3	522.8	526.0	545.0
25°	514.9	523.7	509.3	504.2	508.4	526.2	555.9	588.1	591.8	607.1
27.5°	655.9	644.6	622.8	601.5	589.0	599.2	632.5	672.4	677.0	691.8
30°	810.9	800.9	771.5	724.3	694.6	693.0	723.8	768.3	773.6	787.7
32.5°	966.1	956.6	924.6	866.5	815.1	789.6	810.9	860.2	863.0	872.0
35°	1118.7	1109.0	1077.0	1017.5	954.3	896.4	892.2	947.8	948.7	958.2
37.5°	1272.3	1264.2	1230.1	1171.7	1109.4	1029.5	990.8	1030.7	1031.8	1041.1
40°	1381.8	1385.3	1361.9	1316.7	1263.2	1175.9	1101.6	1118.9	1112.0	1127.5
42.5°	1475.9	1482.8	1462.4	1439.7	1408.7	1331.8	1238.7	1235.7	1224.5	1232.9
45°	1557.1	1562.9	1544.6	1539.3	1538.6	1484.7	1388.5	1370.5	1354.9	1353.3
47.5°	1587.0	1598.1	1606.0	1623.9	1658.6	1635.9	1543.5	1515.5	1498.1	1485.3
50°	1598.4	1610.2	1637.1	1688.9	1771.2	1780.9	1697.7	1666.2	1644.9	1621.8
52.5°	1583.1	1604.2	1640.3	1727.6	1846.9	1897.2	1845.7	1818.2	1793.9	1756.1
55°	1493.0	1514.1	1588.0	1727.2	1884.7	1978.7	1985.6	1973.4	1946.0	1886.5
57.5°	1303.1	1334.3	1451.3	1668.3	1884.0	2048.9	2122.8	2131.6	2101.0	2015.7
60°	1040.0	1082.3	1225.0	1537.9	1825.8	2086.9	2243.0	2287.0	2254.5	2143.1
62.5°	725.7	774.8	909.8	1333.6	1692.9	2059.5	2330.7	2412.0	2387.5	2257.1
65°	442.6	458.4	567.2	1049.4	1466.8	1945.1	2357.8	2479.7	2471.6	2326.8
67.5°	294.8	308.0	339.3	719.6	1138.6	1716.5	2293.0	2467.9	2470.2	2315.5
70°	177.6	189.0	209.4	418.5	737.9	1358.7	2092.2	2317.3	2330.7	2163.7
72.5°	73.2	80.8	99.4	189.7	382.2	862.3	1666.0	1989.6	2020.8	1819.3
75°	41.5	45.4	58.4	95.2	165.8	401.9	1009.1	1412.4	1458.5	1254.0
77.5°	27.6	29.4	37.8	61.6	93.3	137.1	431.3	735.8	823.9	684.9
80°	18.5	20.2	25.9	41.2	60.7	58.8	137.3	272.6	335.4	235.3
82.5°	12.5	12.7	18.5	27.1	38.4	28.5	40.5	84.8	106.5	68.1
85°	7.2	6.9	13.7	15.7	17.1	11.8	12.3	25.5	33.4	28.7
87.5°	0.9	1.4	5.3	4.2	2.3	2.5	2.5	4.4	6.5	6.9
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°
401.9	0°	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9	401.9
402.3	2.5°	402.3	402.1	401.4	400.7	399.1	398.1	398.6	398.1	397.9	398.1
405.3	5°	405.3	404.6	402.8	400.5	397.2	393.3	390.7	387.0	383.6	381.5
413.4	7.5°	413.4	412.7	410.2	403.7	393.3	376.8	361.8	348.6	338.6	332.8
426.4	10°	426.4	425.2	421.3	406.9	379.6	343.7	313.8	289.1	272.8	265.2
441.7	12.5°	441.7	440.3	433.4	403.9	353.7	297.6	256.4	228.8	213.8	207.1
459.3	15°	459.8	457.9	444.2	389.6	315.9	246.7	208.9	188.3	178.6	172.6
481.8	17.5°	482.2	479.0	452.3	368.0	274.9	207.8	179.7	164.2	155.6	149.9
511.2	20°	511.4	506.1	458.8	342.3	237.2	183.2	160.0	147.1	140.6	135.5
552.9	22.5°	552.2	544.5	466.7	314.5	210.5	166.3	145.5	136.0	130.6	124.8
611.0	25°	602.7	593.6	476.4	288.8	192.2	151.7	134.8	126.9	120.7	114.0
687.2	27.5°	673.3	657.1	488.0	267.7	176.5	139.2	125.1	116.3	109.1	103.5
773.6	30°	752.1	725.4	498.2	255.0	162.1	127.6	112.3	103.5	96.8	92.9
851.2	32.5°	826.6	790.5	504.9	249.4	149.2	114.4	98.4	88.9	83.8	82.7
927.2	35°	897.0	849.3	504.2	244.1	137.6	101.2	84.8	75.0	71.1	71.8
1008.9	37.5°	978.1	912.1	499.4	235.8	128.1	89.2	73.0	64.4	60.9	61.1
1108.3	40°	1072.4	984.6	496.4	220.0	117.7	78.1	63.2	56.3	53.7	52.8
1213.0	42.5°	1172.9	1054.8	496.8	202.2	104.7	68.1	56.5	50.7	48.4	47.7
1329.5	45°	1273.9	1121.7	497.5	183.7	91.0	60.5	51.7	46.8	45.4	44.5
1447.6	47.5°	1368.8	1178.7	484.5	163.8	77.6	54.7	47.7	44.5	43.3	42.2
1566.2	50°	1457.3	1216.7	453.3	140.6	66.9	50.0	44.7	42.4	41.2	40.1
1673.7	52.5°	1526.1	1222.7	401.6	116.7	59.5	46.6	42.8	40.8	39.4	38.2
1760.5	55°	1556.7	1184.9	328.2	94.5	53.7	43.5	41.0	38.9	37.3	36.1
1828.8	57.5°	1548.8	1105.5	255.9	76.0	48.2	40.5	38.7	37.3	35.4	33.6
1884.2	60°	1510.1	999.2	192.9	63.2	43.1	37.3	36.1	35.0	32.4	29.6
1905.5	62.5°	1443.2	865.5	137.6	52.3	37.5	33.6	33.1	32.2	28.5	23.4
1874.0	65°	1340.8	703.2	92.6	43.5	32.2	29.4	29.6	28.0	23.2	17.4
1758.7	67.5°	1191.2	514.2	59.3	35.7	26.9	24.6	24.8	23.9	19.7	14.8
1540.0	70°	1000.6	340.5	38.7	27.1	21.5	19.0	20.4	20.6	16.7	12.0
1181.9	72.5°	733.5	201.0	27.1	20.2	15.7	13.2	16.7	17.1	13.4	9.0
711.1	75°	418.1	95.4	20.4	14.6	9.7	9.3	13.0	13.0	9.3	6.0
307.8	77.5°	175.6	39.8	14.4	9.5	5.6	5.3	8.8	8.1	4.6	2.8
75.0	80°	50.7	17.8	7.6	4.6	2.3	2.1	3.5	2.5	1.2	0.5
28.5	82.5°	19.9	7.9	3.0	1.9	0.9	0.9	0.5	0.0	0.0	0.0
16.2	85°	11.8	3.2	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0
3.5	87.5°	3.0	0.7	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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401.9
399.1
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