

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: P945164

Luminaire Tested: **GLAN-SB1A-940-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-940-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2505 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

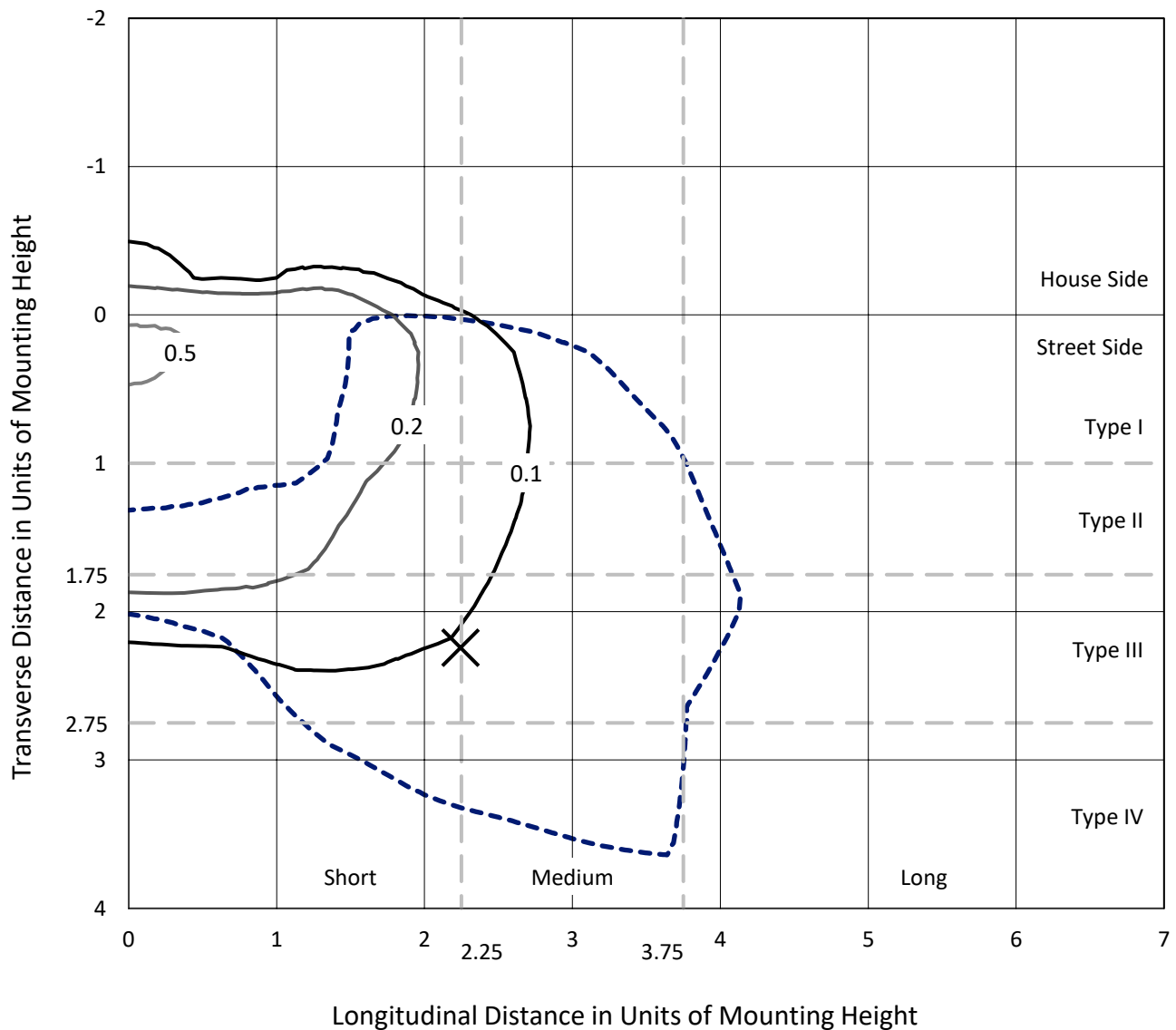
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945164
CATALOG NUMBER: GLAN-SB1A-940-U-T4W-HSS

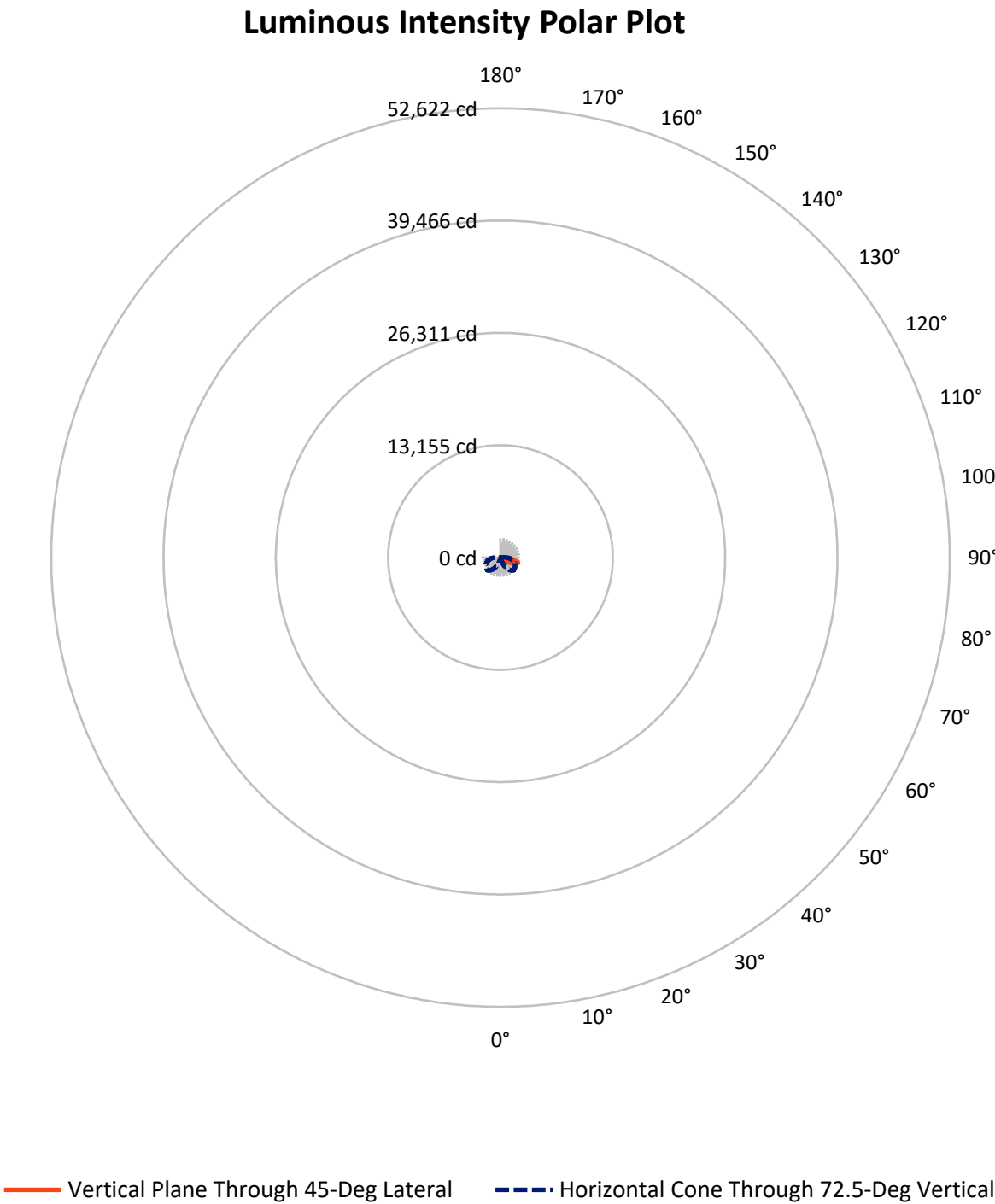
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
Type IV - Short - N/A

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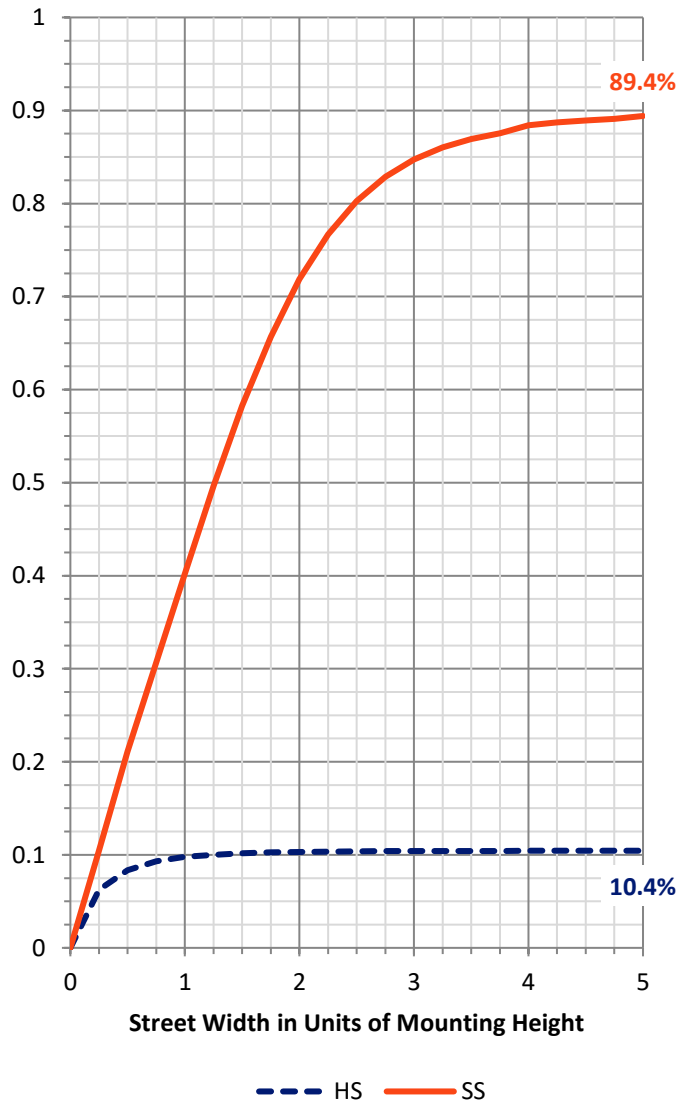
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	263.2	0.0	263.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2241.8	0.0	2241.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	2505.0	0.0	2505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	1.0
10°-20°	75.6	3.0
20°-30°	124.1	5.0
30°-40°	176.0	7.0
40°-50°	290.9	11.6
50°-60°	522.6	20.9
60°-70°	725.6	29.0
70°-80°	526.3	21.0
80°-90°	38.1	1.5
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°	2505.0	100.0
0°-180°	2505.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945164

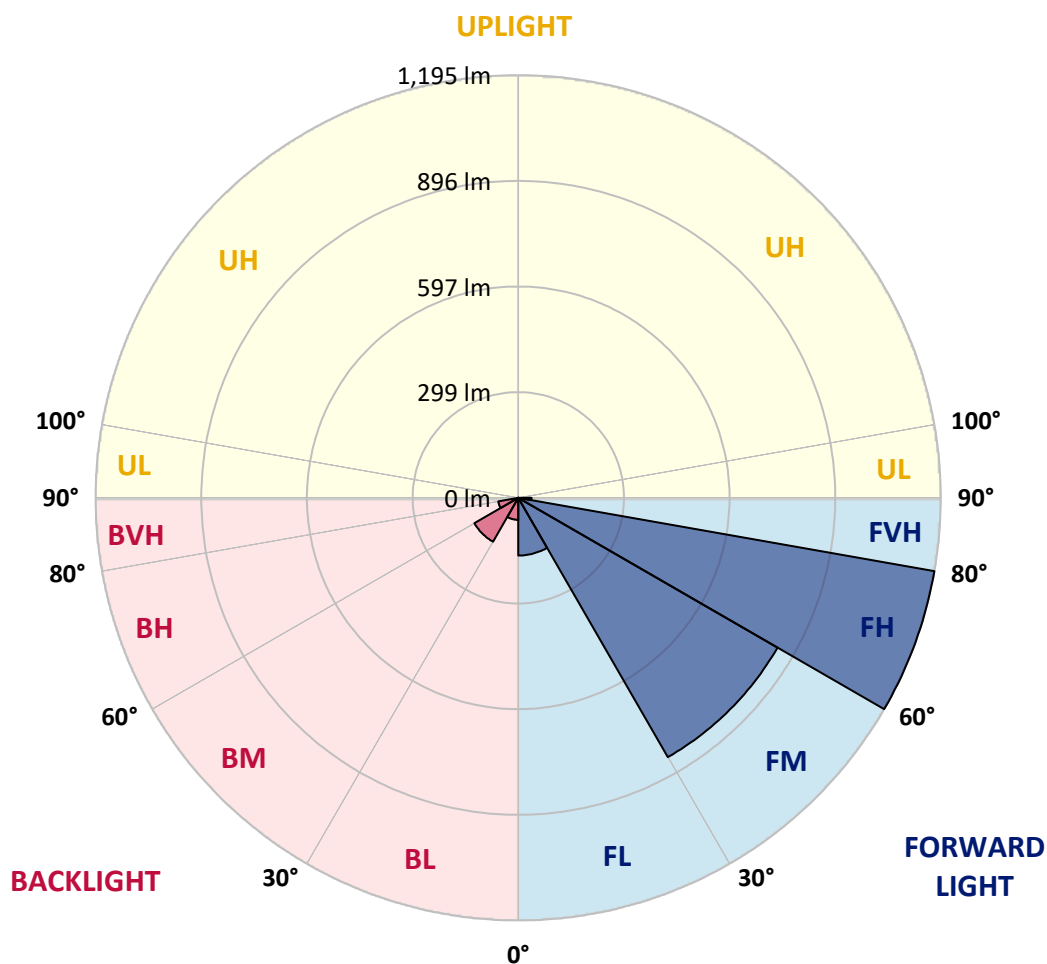
CATALOG NUMBER: GLAN-SB1A-940-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.2	6.5			
FM	(30°-60°)	846.3	33.8			
FH	(60°-80°)	1194.6	47.7			G1/1800
FVH	(80°-90°)	37.7	1.5			G1/100
BL	(0°-30°)	62.3	2.5	B0/110		
BM	(30°-60°)	143.1	5.7	B0/220		
BH	(60°-80°)	57.4	2.3	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



REPORT NUMBER: P945164

CATALOG NUMBER: GLAN-SB1A-940-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4
2.5°	299.7	300.2	299.9	297.9	294.4	292.6	291.5	288.1	285.9	282.0
5°	327.3	329.3	328.1	324.0	317.5	312.9	311.5	304.5	298.2	290.8
7.5°	356.5	357.5	355.3	350.0	341.3	333.4	332.2	322.5	312.4	301.1
10°	381.8	383.0	379.6	371.9	362.0	352.2	350.5	339.7	327.8	313.9
12.5°	403.0	404.2	399.8	390.5	379.6	369.5	367.8	356.5	343.3	327.9
15°	419.1	421.3	415.3	405.4	393.6	383.5	382.7	371.5	358.7	341.6
17.5°	428.5	430.7	425.1	413.1	403.0	394.5	393.4	384.2	372.2	355.8
20°	430.0	432.1	426.1	415.7	407.3	400.4	399.9	393.3	384.5	368.8
22.5°	425.4	428.0	422.5	414.1	408.3	404.7	404.0	400.3	395.3	382.0
25°	420.6	422.7	418.6	411.2	408.1	407.8	408.3	407.6	406.6	395.3
27.5°	420.3	422.5	417.9	410.9	409.2	412.8	413.3	416.5	417.4	407.5
30°	423.2	424.7	420.3	412.9	412.1	420.3	420.4	426.3	427.6	417.7
32.5°	429.5	431.2	426.8	416.0	414.8	426.3	426.8	434.5	436.7	428.7
35°	444.4	446.4	441.3	424.6	420.3	431.9	433.4	442.5	447.0	440.3
37.5°	481.5	475.5	468.5	441.8	432.8	440.8	443.4	454.0	461.8	454.1
40°	573.6	554.8	533.0	471.2	454.6	459.8	461.8	472.4	483.2	475.7
42.5°	712.0	689.7	654.5	538.9	487.6	490.2	491.7	501.0	516.2	510.2
45°	835.3	827.2	791.3	654.5	549.4	536.7	538.6	543.4	565.8	563.6
47.5°	930.0	925.4	897.7	787.2	653.7	593.7	599.0	601.2	633.5	641.4
50°	1002.8	1001.1	976.3	905.2	789.9	677.6	679.5	674.7	723.1	742.6
52.5°	1071.6	1077.4	1059.1	1014.8	935.4	787.5	787.2	764.6	830.0	859.4
55°	1133.6	1135.7	1137.6	1126.6	1081.8	912.7	909.5	872.5	953.9	984.4
57.5°	1191.9	1192.8	1209.5	1231.9	1234.2	1047.1	1041.1	996.8	1089.3	1111.0
60°	1231.1	1235.0	1270.4	1332.6	1359.8	1185.8	1182.5	1137.4	1227.1	1237.2
62.5°	1174.7	1198.6	1287.8	1411.3	1478.5	1339.5	1337.9	1295.5	1372.1	1363.9
65°	950.8	991.4	1148.3	1464.5	1594.9	1511.1	1513.4	1468.2	1521.1	1494.4
67.5°	665.1	707.9	893.6	1468.7	1725.0	1712.7	1725.6	1654.8	1679.2	1619.4
70°	459.9	482.0	602.9	1376.8	1826.4	1990.4	1990.1	1883.9	1836.5	1676.3
72.5°	309.3	320.8	391.6	1092.2	1751.9	2155.4	2145.5	2059.0	1889.5	1567.7
75°	130.5	138.8	181.2	613.8	1386.0	1971.9	1945.1	1819.6	1678.9	1234.5
77.5°	41.4	45.0	71.5	219.7	763.4	1482.3	1453.9	1136.4	1125.2	619.3
80°	19.7	22.9	40.2	88.2	300.4	806.2	802.3	515.5	484.1	167.2
82.5°	8.5	10.1	22.2	47.2	134.4	287.6	293.4	175.4	145.2	63.4
85°	2.7	3.6	10.3	21.7	56.8	71.5	70.6	41.7	58.5	34.5
87.5°	0.0	0.0	3.4	5.0	5.8	4.1	4.6	3.6	16.2	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945164

CATALOG NUMBER: GLAN-SB1A-940-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
274.4	0°	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4
277.8	2.5°	275.8	273.1	268.3	263.8	259.9	256.0	253.6	250.1	249.8	249.8
282.3	5°	277.7	273.2	264.7	255.6	245.2	235.3	225.4	215.8	212.7	210.5
289.5	7.5°	283.1	276.1	262.6	245.4	225.5	203.8	188.6	172.2	165.9	162.4
299.0	10°	291.0	281.4	260.9	230.7	198.5	168.9	147.2	129.4	122.6	119.7
309.5	12.5°	299.7	287.9	257.8	212.4	168.9	133.5	112.3	104.1	103.1	103.1
322.0	15°	310.2	295.8	252.5	190.8	138.0	105.7	98.1	98.5	99.5	100.2
334.1	17.5°	320.9	304.2	244.2	166.7	110.6	95.1	95.2	95.8	96.6	97.3
347.3	20°	332.6	312.6	233.1	141.1	94.9	92.0	92.5	93.0	93.7	94.0
359.6	22.5°	345.0	320.4	219.9	115.9	89.6	89.4	89.6	90.1	91.0	91.0
373.9	25°	358.4	329.1	204.8	97.6	86.9	86.9	87.2	87.5	88.2	88.2
387.8	27.5°	372.1	337.2	188.9	88.1	84.5	84.3	84.3	84.8	85.1	85.3
401.5	30°	387.1	346.6	173.0	86.0	82.6	81.7	81.2	81.6	81.9	82.1
415.8	32.5°	402.5	355.6	158.8	86.9	80.7	79.2	77.5	77.1	77.1	77.8
430.7	35°	419.6	365.6	147.9	89.8	79.7	75.4	72.7	71.1	71.3	72.3
448.5	37.5°	440.1	377.5	139.9	92.3	79.0	71.1	66.7	64.8	63.6	64.8
472.9	40°	467.0	395.1	134.1	94.4	78.1	66.2	60.2	57.1	54.9	55.6
510.9	42.5°	506.5	422.8	131.8	94.6	76.3	60.4	53.5	49.4	46.2	46.3
568.0	45°	561.9	466.6	143.3	92.3	72.2	54.0	46.5	41.0	39.0	38.5
653.3	47.5°	637.8	530.4	169.8	87.7	66.2	47.9	39.7	35.1	33.5	32.7
765.3	50°	739.5	612.3	199.2	82.6	60.2	42.1	34.0	31.1	30.1	29.2
898.2	52.5°	857.5	695.4	223.3	77.5	54.2	36.9	30.4	28.7	27.9	27.2
1026.4	55°	965.7	752.7	221.9	72.0	48.4	32.8	27.9	26.8	25.8	25.1
1136.9	57.5°	1033.1	760.7	183.0	66.0	41.7	29.6	25.5	24.8	23.6	22.7
1232.4	60°	1064.0	714.9	128.2	58.1	35.1	26.5	22.9	22.6	21.0	19.8
1322.9	62.5°	1069.7	629.7	85.5	48.4	29.2	23.6	20.3	19.8	17.8	15.7
1396.4	65°	1046.8	508.0	59.2	37.8	25.0	20.5	17.4	16.4	14.2	12.1
1413.9	67.5°	974.3	356.7	41.2	27.2	21.2	16.2	13.8	13.5	11.8	10.1
1324.9	70°	841.4	203.3	27.5	20.3	16.8	11.1	10.9	11.3	9.6	8.2
1082.5	72.5°	645.1	93.0	17.1	14.9	11.5	7.5	8.7	8.9	7.4	6.2
675.4	75°	379.8	39.8	10.8	9.6	5.8	5.0	6.3	6.5	5.0	3.9
246.9	77.5°	129.3	15.0	6.8	5.6	2.9	2.7	4.1	4.1	2.7	1.5
49.6	80°	29.4	5.6	3.4	2.2	1.4	1.2	1.4	1.2	0.7	0.2
15.2	82.5°	8.4	2.2	1.4	0.9	0.5	0.5	0.2	0.0	0.0	0.0
5.3	85°	2.4	1.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
1.9	87.5°	1.0	0.2	0.0	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°
274.4
250.7
211.5
162.9
119.7
103.1
100.2
97.3
94.2
91.3
88.4
85.5
82.4
78.3
72.8
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55.2
45.7
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27.0
24.8
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