

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: P946065

Luminaire Tested: **GLAN-SB1D-827-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-827-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7369 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 79.6
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



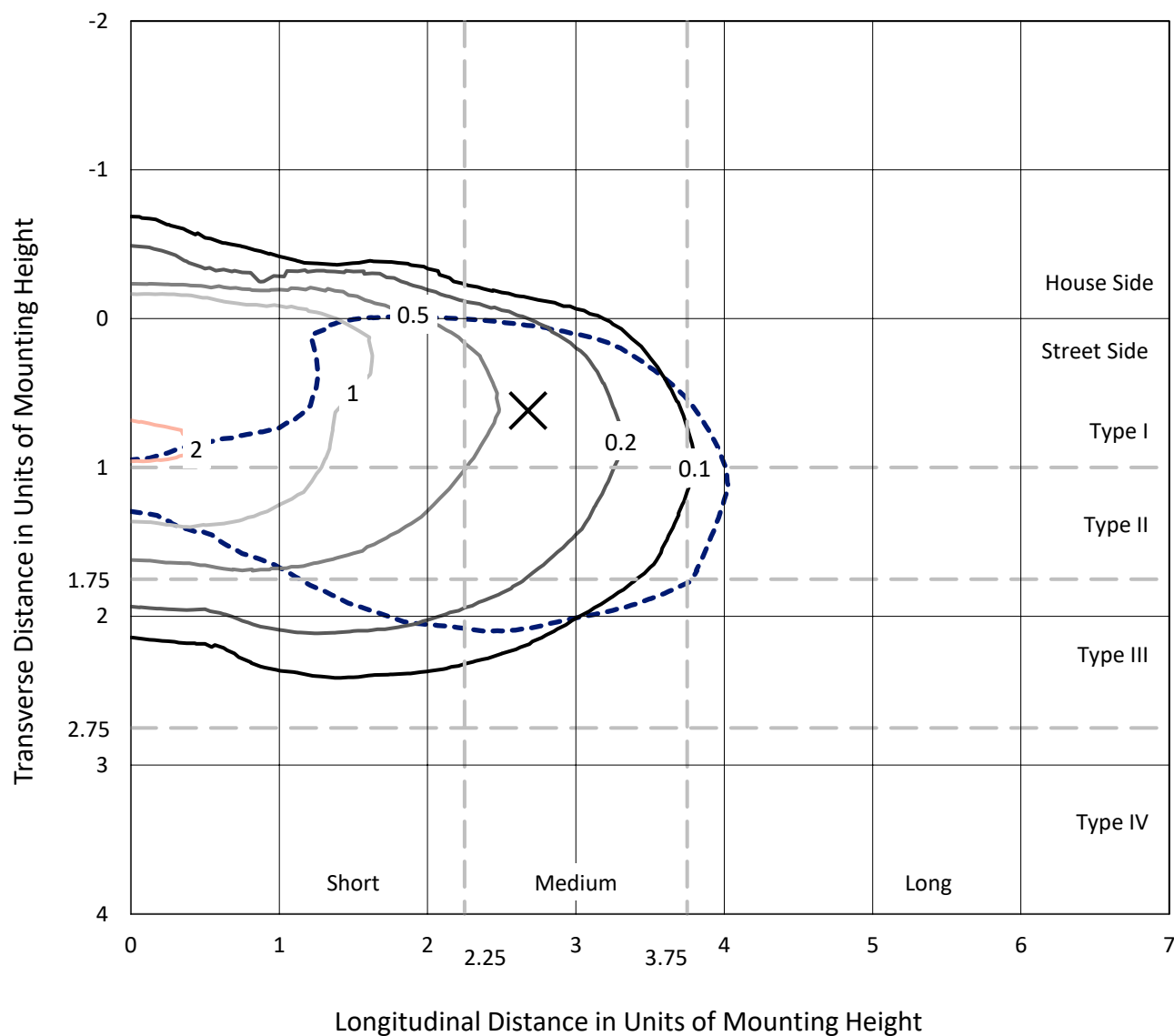
REPORT NUMBER: P946065

CATALOG NUMBER: GLAN-SB1D-827-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

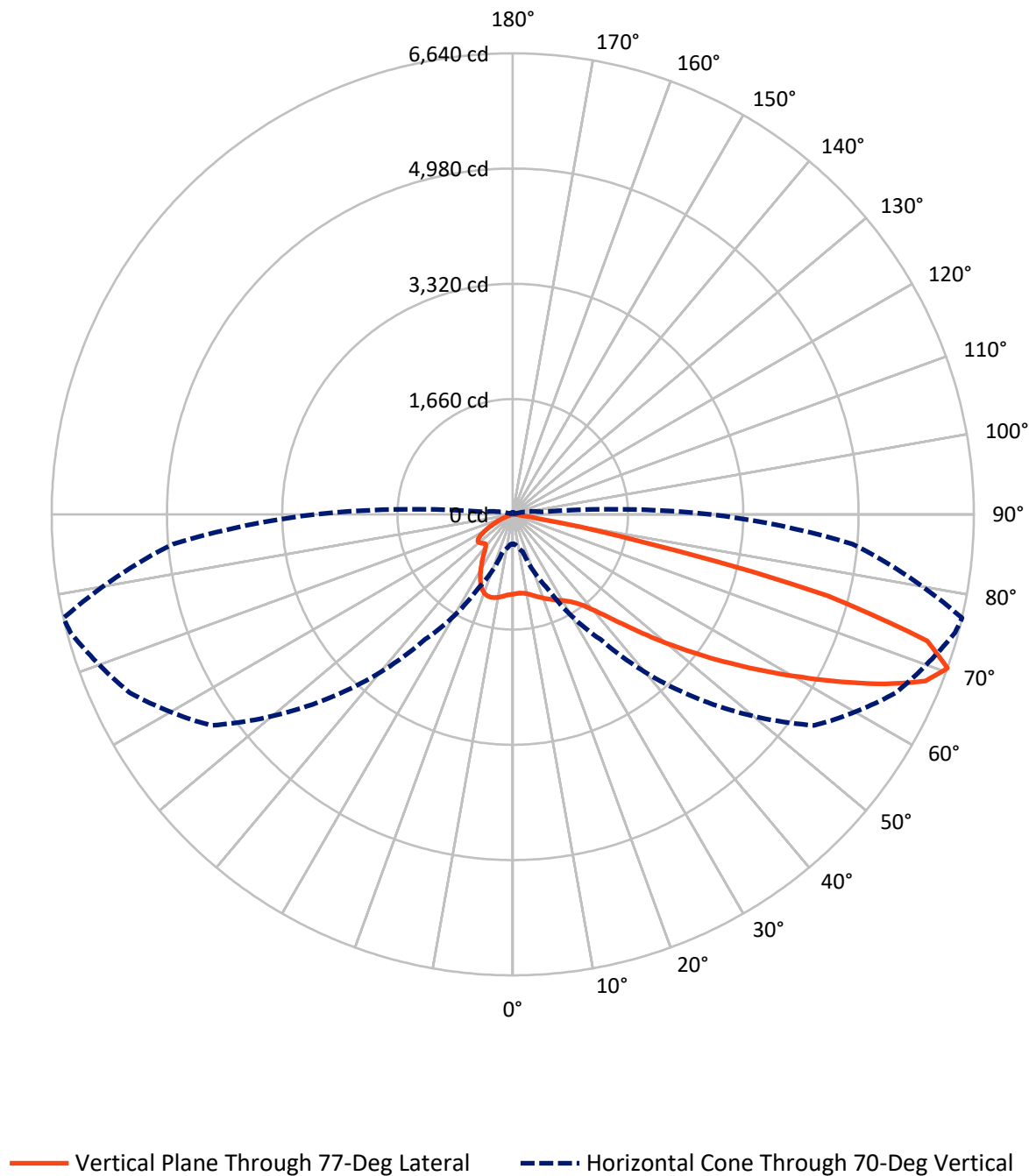
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type III - Medium - N/A

REPORT NUMBER: P946065
CATALOG NUMBER: GLAN-SB1D-827-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P946065

CATALOG NUMBER: GLAN-SB1D-827-U-T3R-HSS

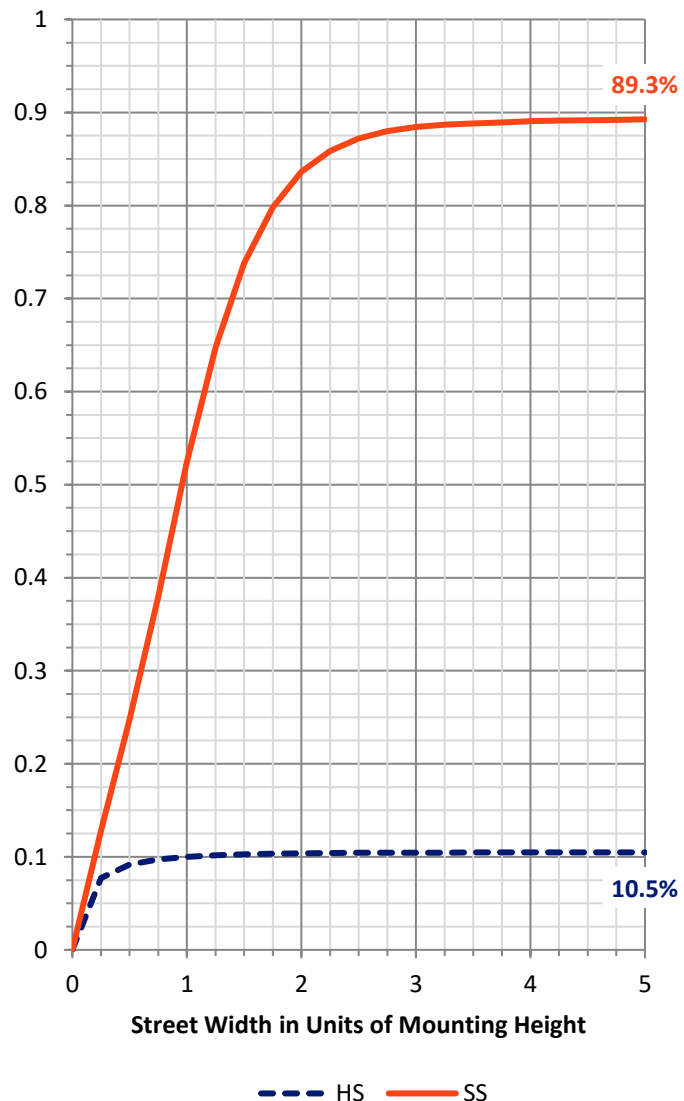
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	776.8	0.0	776.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6592.2	0.0	6592.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	7369.0	0.0	7369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	1.3
10°-20°	235.2	3.2
20°-30°	363.7	4.9
30°-40°	660.0	9.0
40°-50°	1245.9	16.9
50°-60°	1800.2	24.4
60°-70°	1916.2	26.0
70°-80°	1015.5	13.8
80°-90°	33.3	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°	7369.0	100.0
0°-180°	7369.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946065

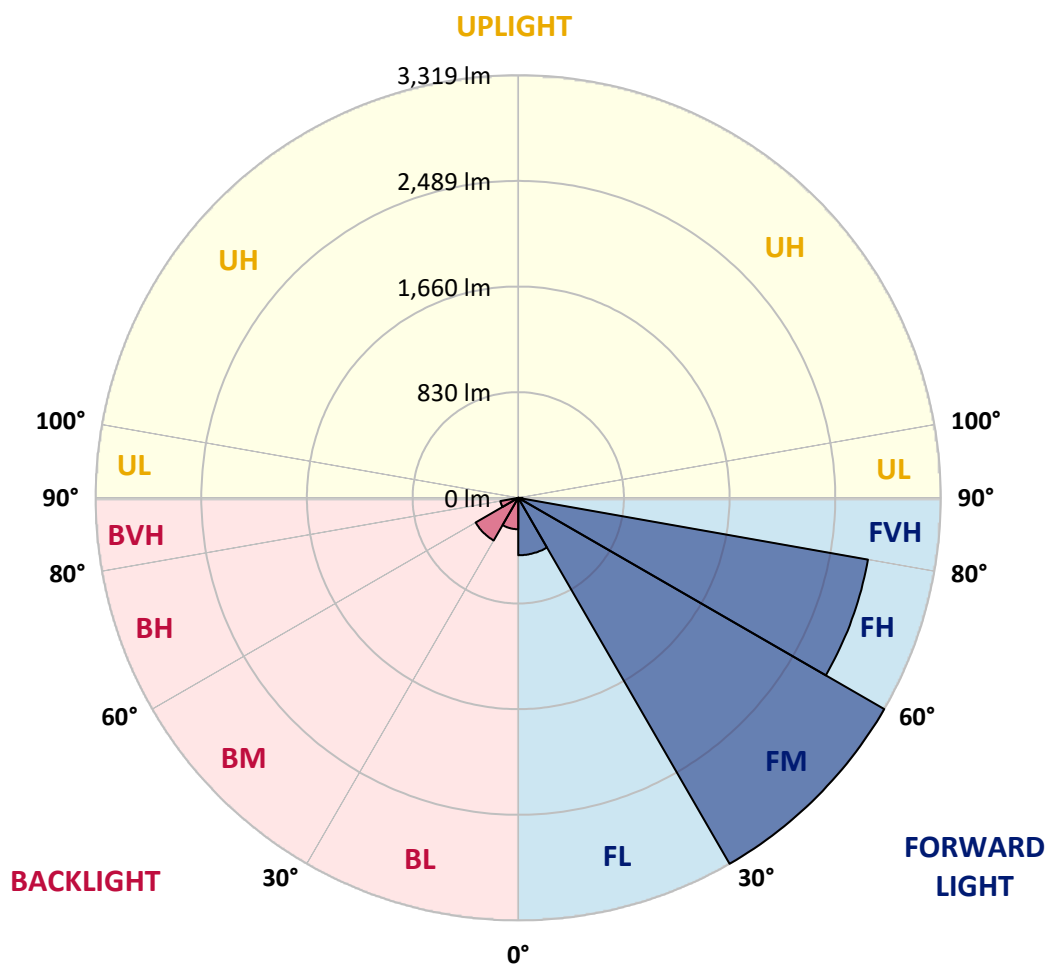
CATALOG NUMBER: GLAN-SB1D-827-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.2	6.1			
FM	(30°-60°)	3319.3	45.0			
FH	(60°-80°)	2789.3	37.9			G2/5000
FVH	(80°-90°)	32.4	0.4			G1/100
BL	(0°-30°)	246.8	3.3	B1/500		
BM	(30°-60°)	386.7	5.2	B1/1000		
BH	(60°-80°)	142.4	1.9	B1/500		G1/500
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-G2

Type III Medium



REPORT NUMBER: P946065

CATALOG NUMBER: GLAN-SB1D-827-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4
2.5°	1079.2	1088.9	1087.5	1094.1	1096.4	1105.7	1115.0	1127.6	1141.5	1141.1
5°	1018.2	1028.0	1030.3	1039.1	1050.3	1064.7	1083.8	1108.9	1135.0	1139.2
7.5°	946.1	956.3	962.4	980.0	1000.5	1030.3	1061.5	1098.2	1141.5	1147.6
10°	873.9	883.2	891.2	916.3	948.9	993.1	1043.8	1096.8	1155.0	1163.9
12.5°	829.3	838.1	846.9	868.8	909.3	963.3	1032.2	1103.4	1177.4	1189.9
15°	813.4	821.4	828.3	847.9	885.6	947.0	1029.8	1116.9	1205.7	1222.5
17.5°	815.8	820.0	824.6	839.5	876.3	939.6	1034.0	1140.1	1239.2	1254.1
20°	829.3	831.6	832.1	842.3	874.9	938.6	1042.4	1162.5	1270.9	1290.9
22.5°	846.5	847.4	846.5	853.5	883.7	945.6	1053.6	1189.5	1306.3	1324.9
25°	927.0	909.3	887.0	873.5	898.6	959.1	1070.3	1225.7	1344.9	1363.0
27.5°	1176.9	1126.2	1046.1	956.3	929.3	978.6	1093.6	1262.5	1384.0	1400.3
30°	1582.7	1516.1	1380.2	1177.8	1028.0	1019.6	1123.8	1299.3	1425.4	1443.1
32.5°	1989.4	1973.1	1816.3	1536.1	1249.9	1110.8	1174.1	1349.1	1480.3	1494.3
35°	2400.8	2367.7	2239.3	1962.4	1592.0	1296.5	1257.9	1414.2	1552.4	1568.3
37.5°	2715.8	2695.8	2616.2	2388.2	1997.8	1583.1	1401.2	1515.2	1657.1	1674.8
40°	2994.1	2984.8	2957.8	2807.5	2451.5	1958.2	1624.1	1671.6	1802.3	1823.3
42.5°	3212.8	3234.7	3250.1	3208.2	2919.2	2386.3	1923.8	1891.2	2004.8	2026.2
45°	3436.7	3444.1	3506.0	3566.5	3383.6	2834.0	2261.6	2148.6	2256.5	2283.0
47.5°	3580.5	3610.2	3719.1	3825.7	3774.0	3278.0	2624.6	2452.4	2548.3	2598.1
50°	3591.2	3647.5	3797.3	3983.0	4058.4	3700.5	3019.2	2798.7	2900.6	2955.5
52.5°	3412.9	3500.4	3732.6	4004.4	4211.9	4058.4	3427.4	3144.9	3275.6	3347.3
55°	2616.7	2731.2	3489.2	3888.1	4218.0	4329.7	3824.8	3505.5	3693.5	3774.5
57.5°	2279.8	2337.5	2743.3	3686.1	4105.8	4439.0	4184.0	3849.0	4148.2	4248.7
60°	1896.8	1972.6	2300.7	3355.7	3953.7	4449.7	4501.4	4292.0	4641.0	4754.1
62.5°	1289.0	1371.4	1697.6	2788.0	3745.7	4444.6	4761.5	4748.0	5188.7	5310.2
65°	798.6	850.2	1065.2	2276.5	3454.8	4450.2	5033.8	5301.8	5766.7	5890.0
67.5°	631.0	654.8	766.9	1747.9	2953.6	4324.6	5305.5	5822.5	6310.7	6408.4
70°	423.9	438.4	558.0	1171.8	2197.4	3744.7	5300.4	6084.1	6590.8	6639.7
72.5°	223.4	234.5	326.2	542.6	1327.2	2661.8	4467.9	5771.4	6312.1	6238.6
75°	111.7	130.3	219.6	275.5	566.8	1484.5	2774.5	4550.3	4968.1	4683.3
77.5°	84.7	102.4	181.5	181.5	197.3	499.8	1175.0	2481.7	2289.1	1906.1
80°	54.0	69.8	158.7	137.3	82.4	127.0	306.2	695.2	486.3	370.0
82.5°	31.6	45.6	132.2	90.7	46.1	47.0	86.6	148.0	126.1	98.2
85°	12.6	29.8	90.7	35.8	18.1	11.6	26.1	31.6	26.1	19.5
87.5°	0.0	7.0	15.8	0.0	1.4	0.9	1.9	2.3	2.3	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P946065

CATALOG NUMBER: GLAN-SB1D-827-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1149.4	0°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4
1150.4	2.5°	1154.5	1155.5	1158.3	1158.7	1152.2	1143.8	1140.6	1139.2	1133.6	1133.1
1157.8	5°	1168.5	1172.7	1168.5	1156.4	1127.6	1087.1	1056.4	1031.2	1008.4	1001.4
1183.4	7.5°	1196.4	1200.6	1188.1	1140.6	1068.0	987.5	914.9	863.7	817.6	800.4
1214.6	10°	1236.5	1242.0	1202.5	1106.6	978.2	848.8	726.0	639.4	571.9	544.5
1256.9	12.5°	1286.7	1289.0	1210.4	1055.0	861.4	676.6	502.6	410.0	349.9	327.6
1308.1	15°	1342.1	1338.8	1211.3	984.7	702.2	478.4	328.1	269.4	245.2	237.8
1359.3	17.5°	1400.3	1386.8	1192.7	883.2	527.7	327.1	243.4	229.4	225.2	223.4
1410.0	20°	1457.5	1427.2	1158.7	750.6	378.8	244.3	221.0	216.9	214.5	213.6
1461.2	22.5°	1509.6	1458.0	1100.6	596.6	275.0	215.9	208.9	205.2	201.0	199.2
1511.0	25°	1560.3	1475.6	1018.7	452.8	220.1	202.0	196.4	189.4	183.8	181.5
1564.5	27.5°	1609.7	1486.8	916.3	335.1	196.4	188.9	178.7	168.9	164.7	163.8
1621.8	30°	1662.3	1490.5	799.9	249.9	182.0	172.6	157.8	146.6	144.3	144.7
1699.0	32.5°	1726.5	1496.1	682.7	204.8	169.9	153.1	135.4	123.8	121.9	123.8
1811.6	35°	1803.3	1507.3	569.6	188.5	159.2	133.1	114.0	104.2	102.4	103.8
1955.9	37.5°	1907.5	1525.4	464.0	185.2	150.3	116.3	95.9	88.0	88.0	88.4
2132.7	40°	2046.2	1573.8	369.5	182.9	145.7	103.8	81.0	77.7	79.1	80.0
2358.0	42.5°	2215.1	1676.7	305.7	180.1	140.5	98.2	73.5	72.1	74.5	75.4
2627.9	45°	2404.5	1807.0	283.4	175.4	135.9	101.9	70.3	68.4	71.2	71.7
2930.4	47.5°	2600.4	1934.5	280.6	170.3	131.2	107.5	69.3	65.1	68.4	68.9
3253.3	50°	2798.7	2017.8	283.4	162.4	123.8	107.5	69.8	61.9	64.7	66.1
3588.4	52.5°	2998.3	2055.9	281.5	145.2	110.8	101.0	69.8	59.1	61.9	62.8
3950.4	55°	3191.9	2048.5	253.2	119.6	94.0	89.3	67.9	56.8	58.6	59.1
4292.4	57.5°	3345.0	1944.7	200.6	93.1	76.3	74.5	61.9	54.0	55.4	54.9
4606.1	60°	3425.0	1716.7	143.3	71.7	60.0	58.6	54.4	50.3	51.2	48.9
4871.8	62.5°	3426.0	1415.1	95.9	56.8	47.9	46.5	46.5	45.1	44.2	39.6
5077.5	65°	3352.9	1080.6	63.8	45.1	38.6	36.3	39.1	38.6	35.4	28.9
5140.3	67.5°	3187.2	708.3	48.4	35.4	29.8	28.4	31.2	32.6	30.2	24.2
4911.4	70°	2846.6	412.3	40.0	27.5	22.3	20.9	25.1	27.9	25.1	19.5
4198.0	72.5°	2364.5	222.4	32.6	20.5	15.4	14.0	20.0	22.8	20.0	14.4
2693.5	75°	1534.3	119.1	25.1	13.5	7.9	8.8	14.9	16.8	14.0	9.3
790.6	77.5°	515.1	52.6	15.8	6.5	3.7	3.7	8.8	10.2	6.5	3.3
143.8	80°	114.9	21.9	6.5	2.8	1.4	1.4	1.9	1.9	0.9	0.0
44.2	82.5°	37.7	8.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
11.2	85°	14.4	3.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.7	87.5°	5.6	0.5	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°
1149.4
1134.1
997.3
793.4
532.8
320.6
237.8
222.9
212.7
198.7
180.6
162.9
144.7
123.3
103.3
88.0
80.0
75.4
72.1
69.3
66.5
62.8
59.1
54.9
48.4
38.2
27.9
23.7
18.6
14.0
8.4
2.8
0.0
0.0
0.0
0.0
0.0