

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: P946062

Luminaire Tested: **GLAN-SB1D-827-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-827-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9016 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

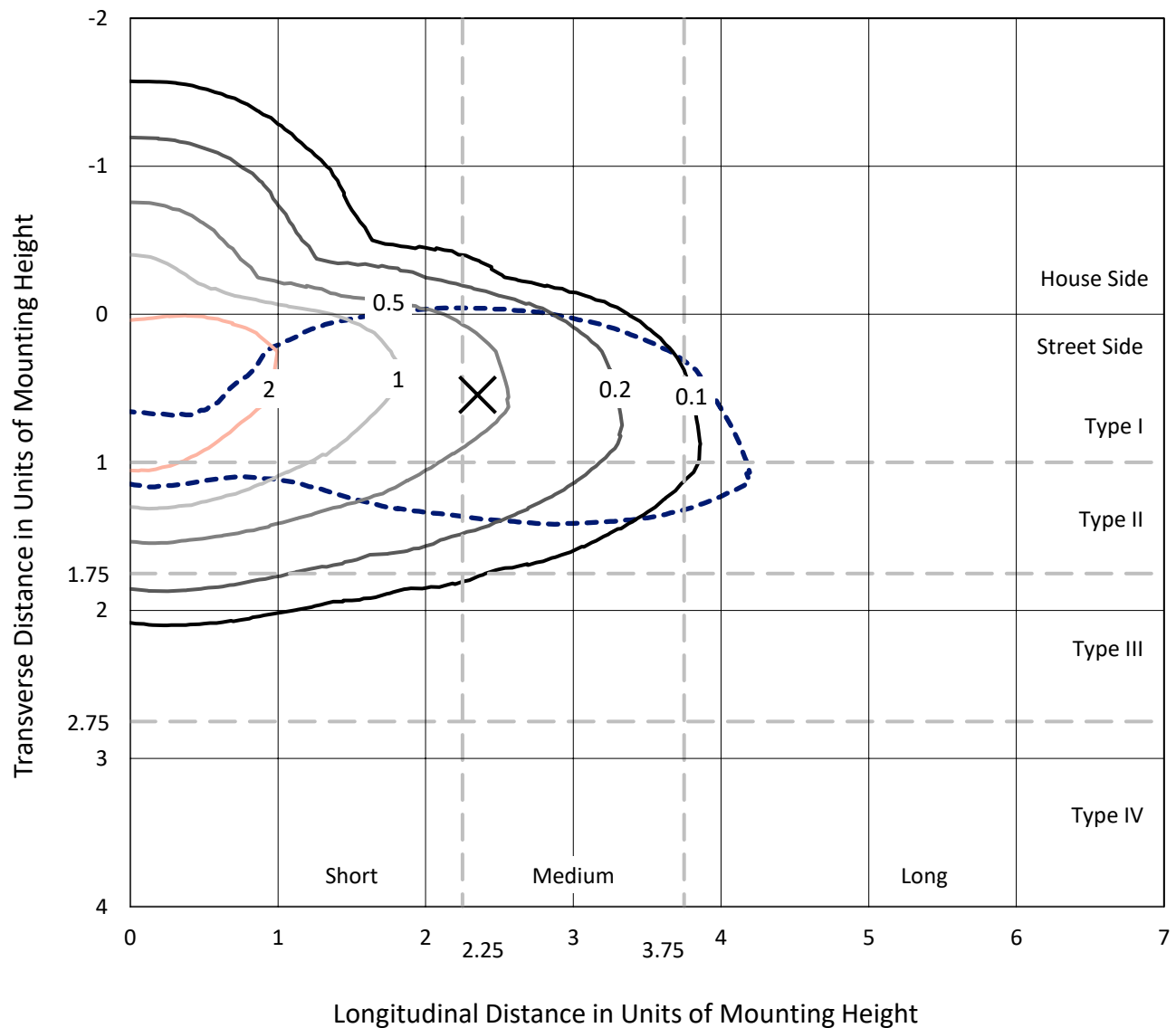
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

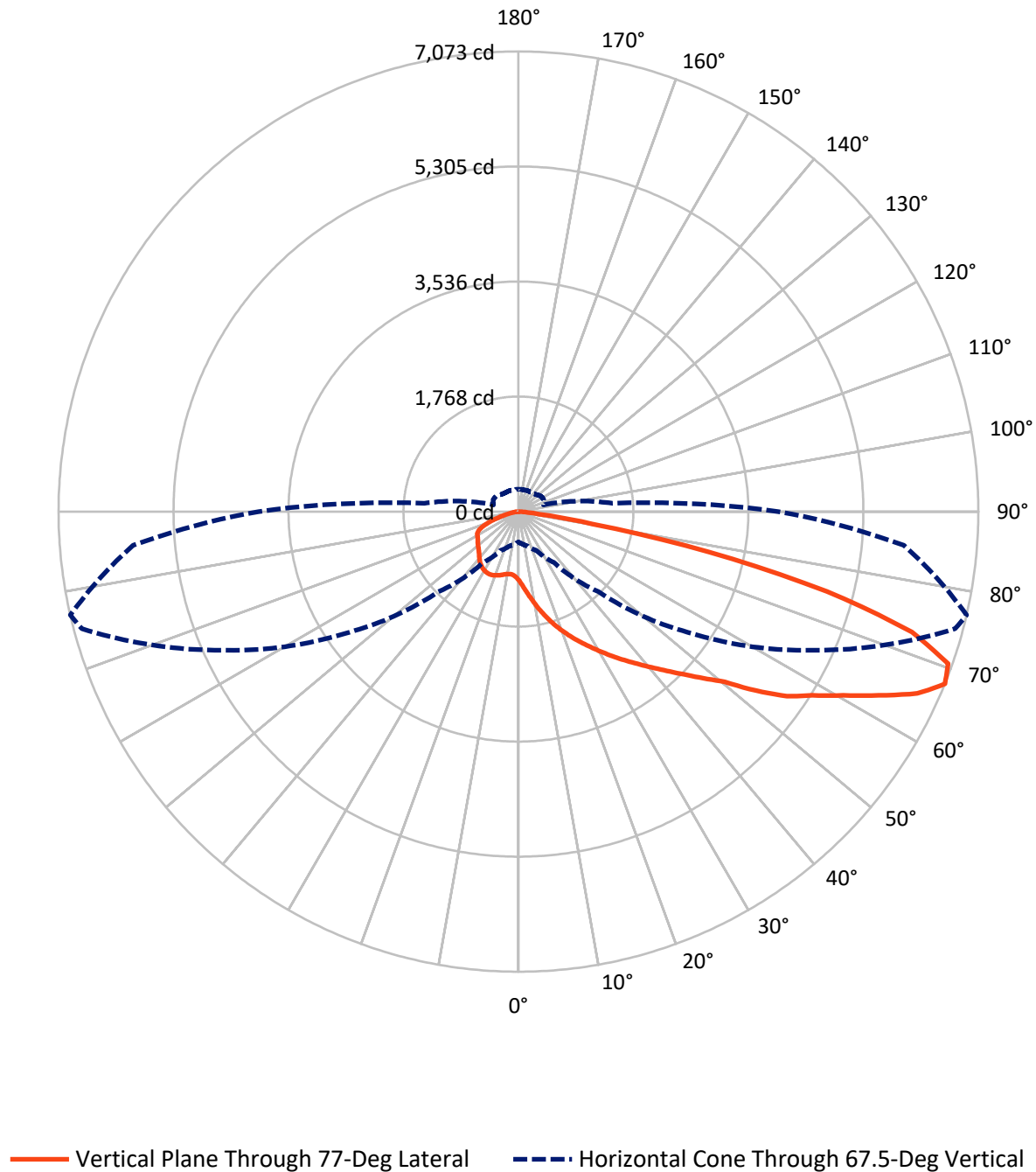
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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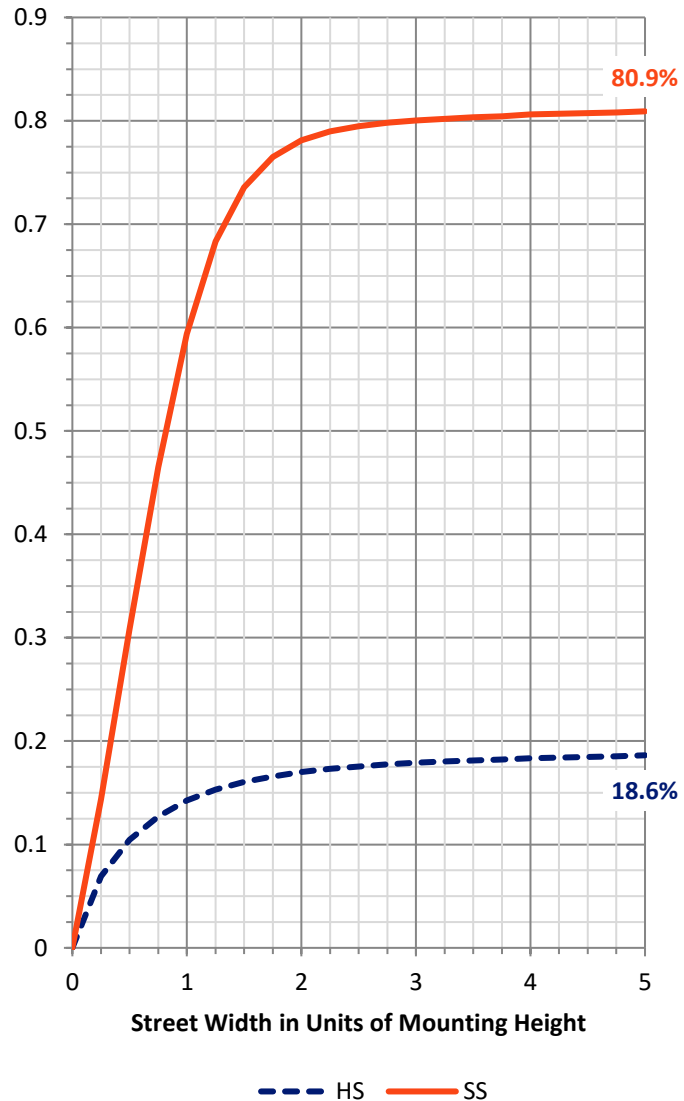
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1705.5	0.0	1705.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	7310.5	0.0	7310.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	9016.0	0.0	9016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	1.3
10°-20°	407.4	4.5
20°-30°	769.1	8.5
30°-40°	1239.1	13.7
40°-50°	1694.8	18.8
50°-60°	1911.8	21.2
60°-70°	1784.4	19.8
70°-80°	978.1	10.8
80°-90°	118.0	1.3
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°	9016.0	100.0
0°-180°	9016.0	100.0

Coefficient of Utilization



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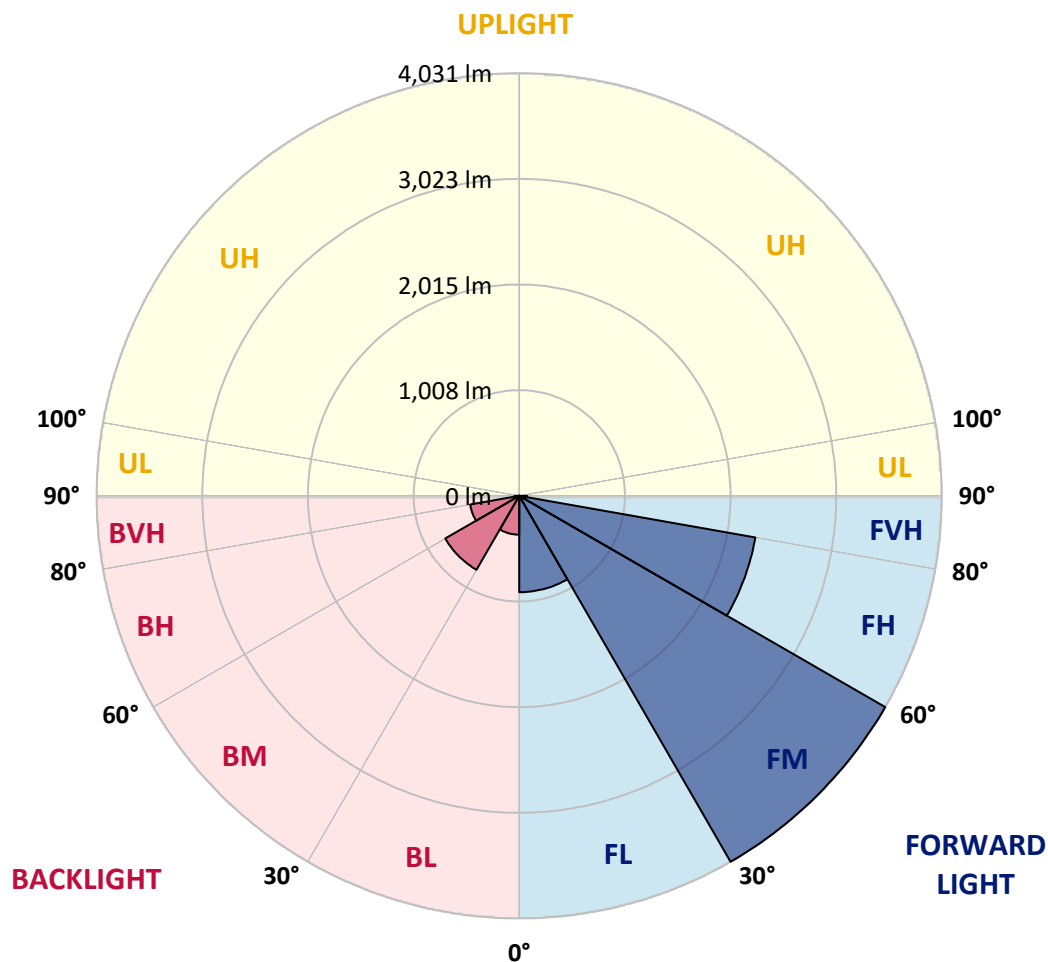
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	919.1	10.2			
FM	(30°-60°)	4030.9	44.7			
FH	(60°-80°)	2286.7	25.4			G2/5000
FVH	(80°-90°)	73.8	0.8			G1/100
BL	(0°-30°)	370.8	4.1	B1/500		
BM	(30°-60°)	814.7	9.0	B1/1000		
BH	(60°-80°)	475.8	5.3	B1/500		G1/500
BVH	(80°-90°)	44.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9
2.5°	1324.5	1333.8	1322.2	1322.2	1283.1	1262.6	1223.5	1193.8	1140.2	1130.9
5°	1565.6	1577.2	1561.0	1554.0	1507.9	1465.5	1399.9	1335.2	1239.8	1230.1
7.5°	1752.2	1767.1	1752.7	1745.3	1704.3	1656.8	1580.0	1489.7	1355.2	1336.2
10°	1904.4	1906.7	1902.1	1904.9	1872.8	1833.7	1755.0	1649.8	1481.8	1455.8
12.5°	1990.5	2001.2	2010.5	2027.3	2021.7	1997.5	1926.8	1801.1	1615.9	1582.4
15°	2031.0	2049.6	2070.6	2109.2	2140.4	2146.4	2092.4	1963.5	1752.2	1711.7
17.5°	2045.4	2063.1	2096.2	2152.0	2219.0	2264.2	2240.0	2121.3	1887.2	1840.7
20°	2118.5	2123.6	2143.6	2196.7	2269.3	2344.2	2362.4	2273.0	2020.8	1968.2
22.5°	2274.9	2264.6	2270.2	2294.4	2346.6	2419.2	2460.6	2407.1	2158.1	2097.6
25°	2533.2	2503.4	2473.6	2445.7	2472.2	2513.2	2560.2	2541.1	2301.9	2225.1
27.5°	2859.4	2823.1	2757.5	2665.8	2633.7	2648.1	2669.1	2665.4	2435.0	2357.3
30°	3180.6	3138.2	3060.0	2927.4	2842.7	2804.5	2788.7	2778.0	2579.7	2496.9
32.5°	3437.0	3403.5	3326.7	3178.2	3055.4	2990.2	2937.6	2899.4	2731.0	2648.1
35°	3661.3	3630.1	3542.2	3380.2	3246.6	3177.3	3108.4	3027.0	2888.3	2804.5
37.5°	3866.1	3834.9	3714.4	3545.9	3411.4	3363.5	3302.0	3163.8	3046.1	2966.9
40°	3995.5	3988.5	3875.9	3685.0	3545.4	3521.7	3501.2	3322.5	3221.0	3147.5
42.5°	4028.5	4043.9	3954.5	3797.7	3664.6	3645.5	3693.4	3502.1	3417.4	3347.2
45°	3948.9	3993.1	3934.5	3827.9	3749.3	3739.0	3863.8	3698.5	3634.8	3570.6
47.5°	3747.4	3822.3	3798.1	3783.2	3772.1	3816.3	4013.6	3907.0	3881.0	3825.1
50°	3340.6	3482.6	3524.9	3619.0	3726.9	3876.3	4150.0	4134.6	4168.6	4112.3
52.5°	2637.4	2832.9	3078.6	3314.1	3588.2	3856.3	4299.8	4461.3	4604.7	4574.0
55°	2177.1	2265.1	2454.1	2886.0	3319.2	3772.1	4367.3	4725.2	5037.5	5010.0
57.5°	1823.4	1902.1	2018.4	2379.1	2912.5	3580.8	4409.2	4886.2	5334.0	5331.2
60°	1444.1	1527.4	1646.6	1902.1	2437.3	3250.4	4399.9	5069.6	5712.3	5735.6
62.5°	1016.0	1107.7	1239.8	1478.1	1951.9	2822.2	4210.0	5202.3	6157.7	6221.0
65°	667.9	728.4	827.9	1033.7	1454.4	2271.6	3847.5	5219.5	6634.3	6741.3
67.5°	468.2	491.5	550.1	661.8	958.7	1742.0	3269.9	5041.2	6952.2	7072.7
70°	365.3	377.0	406.8	451.4	602.2	1171.4	2505.7	4577.7	6884.2	7009.9
72.5°	315.5	326.7	337.9	343.5	404.0	723.2	1697.3	3827.5	6244.3	6329.5
75°	286.2	289.0	298.3	296.5	308.1	469.1	979.7	2788.7	4926.7	4897.4
77.5°	240.6	244.3	259.7	257.4	273.7	320.7	508.7	1799.7	3194.0	2994.9
80°	203.8	205.7	222.5	219.7	237.8	232.2	259.7	917.3	1354.8	1147.7
82.5°	70.7	87.5	169.9	175.0	181.5	140.6	149.9	374.2	413.7	316.9
85°	34.4	36.8	86.6	122.9	122.4	70.7	73.1	133.6	130.3	102.4
87.5°	5.6	7.0	10.2	47.9	38.2	18.6	25.1	26.1	27.0	23.3
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°
1057.9	0°	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9
1095.6	2.5°	1069.5	1046.2	997.4	952.2	916.8	882.9	863.8	847.5	838.2	836.3
1146.7	5°	1098.3	1050.4	961.5	886.6	837.7	801.4	782.3	770.2	764.2	760.5
1215.6	7.5°	1139.8	1069.5	942.9	857.7	806.5	780.5	770.7	768.8	768.4	768.8
1298.9	10°	1197.0	1100.7	941.0	850.8	807.9	793.5	793.0	793.5	795.4	795.8
1389.7	12.5°	1258.9	1132.8	948.5	856.8	825.6	817.7	816.3	815.8	817.2	818.2
1481.4	15°	1326.4	1175.1	961.1	869.8	845.2	836.8	835.4	832.6	832.1	831.7
1577.7	17.5°	1395.7	1217.0	975.0	883.8	857.7	846.1	841.0	834.5	829.3	827.9
1677.3	20°	1466.0	1258.4	984.8	890.8	858.7	842.4	832.1	821.0	812.1	807.0
1777.8	22.5°	1540.9	1301.7	990.8	888.9	850.3	827.9	809.3	796.3	782.8	774.0
1879.3	25°	1614.0	1339.4	990.4	879.1	834.0	805.6	781.9	765.1	746.5	737.2
1984.0	27.5°	1684.3	1373.4	978.7	861.9	810.7	779.1	750.7	730.7	712.5	703.7
2089.7	30°	1756.9	1401.8	960.6	836.8	783.3	748.4	717.2	700.0	683.7	675.3
2201.3	32.5°	1829.0	1427.9	935.0	805.6	751.6	718.1	687.4	671.6	661.8	661.8
2321.4	35°	1905.4	1446.0	901.0	769.3	718.1	686.0	661.8	652.5	651.6	646.0
2448.5	37.5°	1985.9	1457.6	859.6	732.1	685.1	654.8	647.4	636.2	626.9	614.8
2588.1	40°	2070.6	1469.3	809.8	693.4	650.2	633.4	630.2	615.3	588.7	558.9
2746.3	42.5°	2173.4	1477.2	758.1	654.8	613.4	607.8	612.5	586.9	544.5	522.2
2937.1	45°	2292.6	1490.2	710.7	616.7	575.7	575.7	595.2	561.7	526.8	512.9
3155.0	47.5°	2447.1	1520.5	666.5	574.8	540.8	550.1	557.1	531.5	511.9	494.7
3420.2	50°	2670.5	1593.1	620.8	532.4	514.3	532.9	523.1	508.2	485.4	471.5
3841.9	52.5°	2947.9	1635.9	580.4	494.3	491.5	510.1	496.1	482.2	464.9	446.3
4161.6	55°	3136.8	1643.8	546.4	466.3	476.1	474.2	469.1	456.6	447.3	422.6
4477.2	57.5°	3348.1	1659.6	518.5	449.6	466.3	445.9	444.0	433.3	421.2	404.4
4862.0	60°	3600.8	1684.3	494.3	443.1	458.0	427.2	417.9	413.7	401.6	393.3
5325.1	62.5°	3876.3	1706.6	469.6	444.0	448.2	409.1	395.1	393.7	386.3	383.5
5759.8	65°	4064.3	1645.7	438.9	443.1	432.8	390.5	372.8	372.3	366.3	365.3
5948.3	67.5°	3998.7	1452.5	397.5	430.0	417.0	371.9	352.3	350.4	342.5	343.0
5751.4	70°	3670.2	1177.0	340.2	397.9	397.5	355.1	330.9	324.9	314.1	316.0
5000.7	72.5°	3054.0	872.2	263.4	344.4	366.3	339.7	306.2	296.5	283.0	284.8
3691.6	75°	2205.5	592.9	191.7	262.0	318.8	321.6	282.0	265.3	249.0	251.8
2054.7	77.5°	1128.6	336.0	141.0	180.6	250.4	292.3	260.2	237.8	234.1	260.2
592.5	80°	368.1	168.5	97.7	126.6	164.3	239.2	228.0	202.4	201.5	207.6
124.3	82.5°	109.8	71.2	62.8	83.3	90.8	183.4	196.9	153.1	131.7	138.7
41.4	85°	37.7	34.4	35.8	41.4	43.3	107.5	137.8	101.5	95.9	105.6
9.3	87.5°	8.8	12.1	10.2	9.3	9.3	26.1	53.5	42.4	58.6	39.1
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°
1057.9
836.3
760.0
770.2
796.3
818.6
831.2
829.3
808.9
774.4
737.2
703.2
674.8
662.3
644.6
612.9
554.8
522.6
515.2
494.3
470.1
442.6
423.0
398.8
395.6
383.5
364.9
343.0
317.9
284.4
252.7
256.4
178.2
143.3
104.2
37.7
0.0