

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: P846618

Luminaire Tested: **GLAN-SB2B-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8985 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

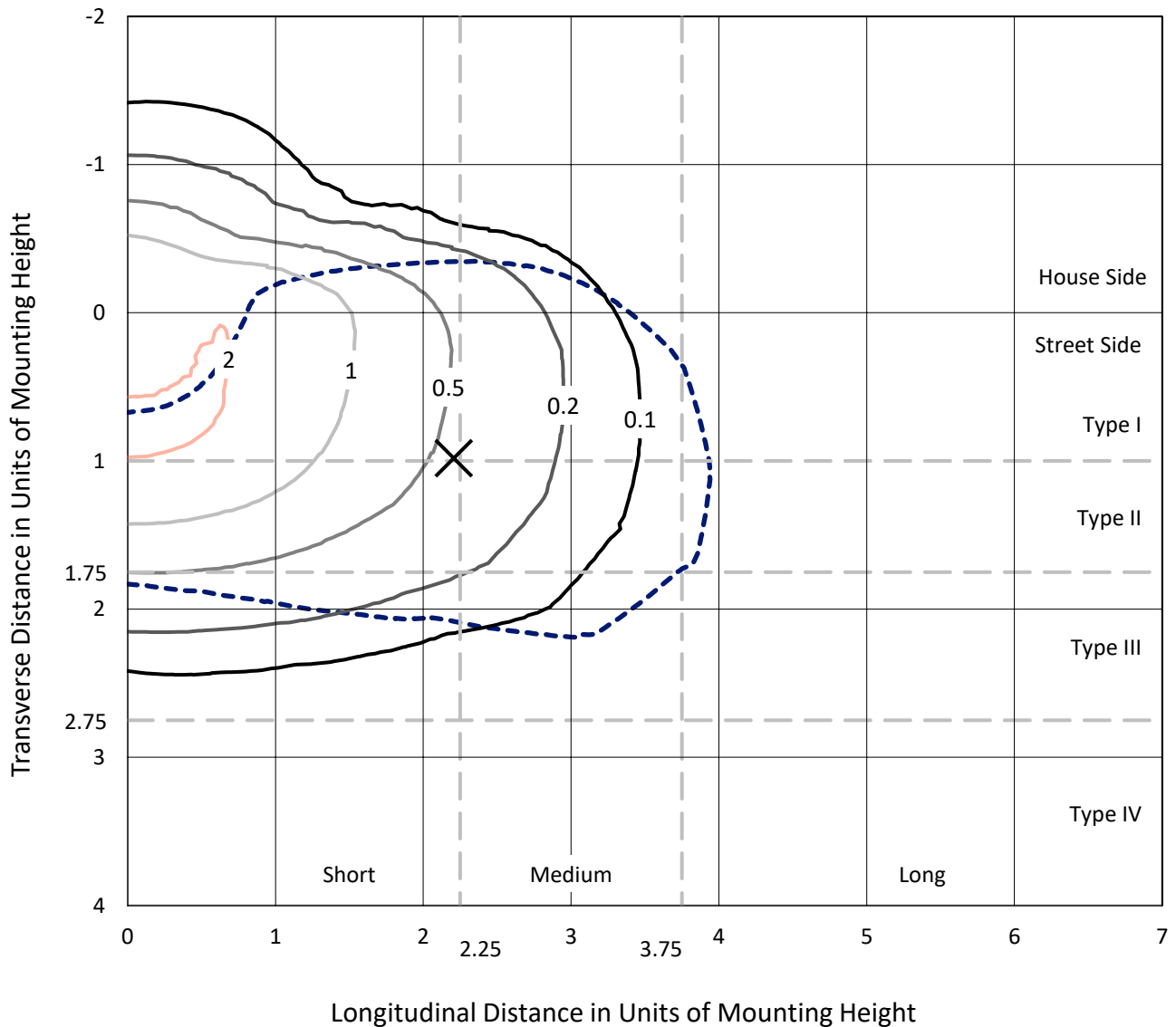
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

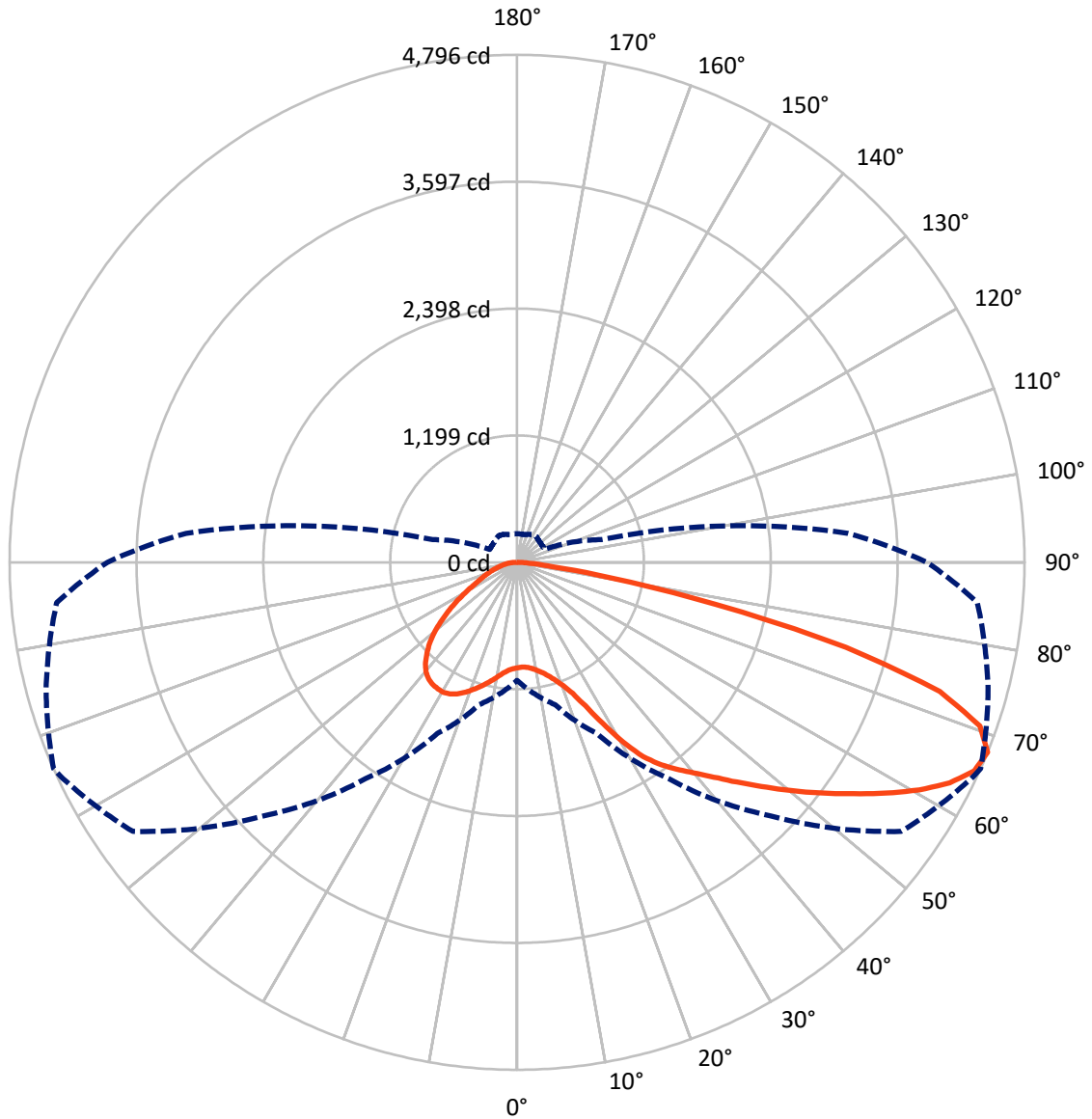
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2234.1	0.0	2234.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6750.9	0.0	6750.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	8985.0	0.0	8985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	1.1
10°-20°	326.4	3.6
20°-30°	629.2	7.0
30°-40°	1103.2	12.3
40°-50°	1640.1	18.3
50°-60°	2079.0	23.1
60°-70°	2034.2	22.6
70°-80°	970.4	10.8
80°-90°	103.7	1.2
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°	8985.0	100.0
0°-180°	8985.0	100.0

Coefficient of Utilization



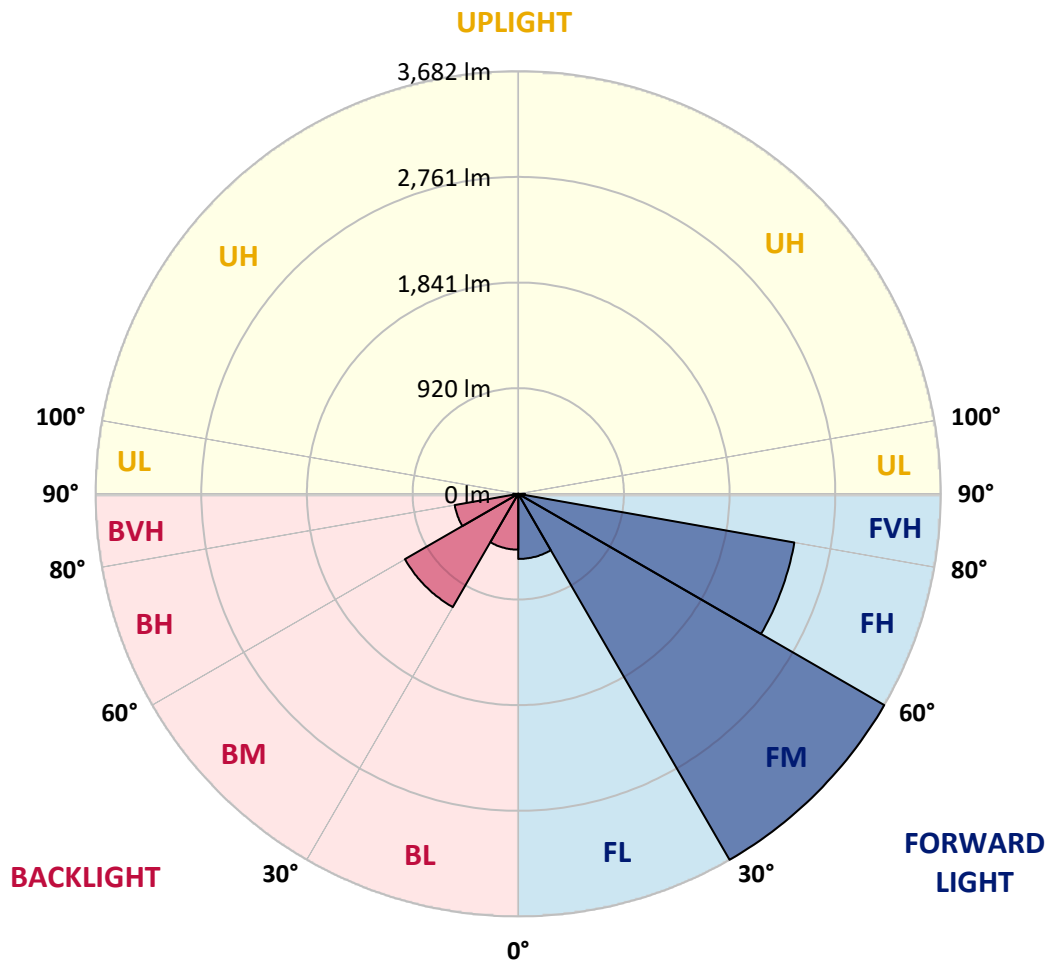
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.8	6.3			
FM (30°-60°)	3682.0	41.0			
FH (60°-80°)	2442.4	27.2			G2/5000
FVH (80°-90°)	58.8	0.7			G1/100
BL (0°-30°)	486.7	5.4	B1/500		
BM (30°-60°)	1140.3	12.7	B2/2500		
BH (60°-80°)	562.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	44.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6
2.5°	986.2	991.8	990.4	988.1	987.6	988.5	989.9	991.4	990.9	993.3
5°	983.3	989.0	988.5	988.5	990.4	994.2	996.6	998.9	996.6	999.4
7.5°	985.2	989.5	991.4	993.3	998.0	1005.1	1010.7	1015.9	1013.1	1016.4
10°	1009.3	1012.6	1014.5	1014.5	1017.8	1025.8	1031.5	1040.9	1038.6	1043.8
12.5°	1053.2	1056.5	1056.5	1054.6	1057.0	1062.2	1064.1	1074.4	1070.2	1078.7
15°	1107.0	1113.6	1108.4	1105.1	1106.1	1111.3	1110.8	1118.8	1114.6	1121.7
17.5°	1166.5	1175.0	1166.5	1166.0	1164.1	1169.8	1170.3	1177.4	1169.8	1175.0
20°	1236.8	1248.6	1241.6	1243.9	1239.7	1242.0	1244.4	1254.8	1243.0	1246.8
22.5°	1336.0	1350.1	1342.6	1351.6	1348.7	1346.8	1346.4	1364.8	1346.4	1347.8
25°	1480.4	1497.4	1484.2	1496.5	1496.5	1502.6	1509.7	1533.3	1502.6	1493.7
27.5°	1693.8	1710.8	1684.8	1692.4	1690.0	1705.1	1697.6	1756.1	1723.1	1708.4
30°	1950.6	1980.8	1931.7	1929.9	1927.5	1951.6	1962.4	2001.1	1967.6	1953.0
32.5°	2228.2	2259.8	2201.3	2184.3	2175.3	2190.0	2181.0	2212.2	2189.0	2166.4
35°	2521.8	2553.0	2497.3	2464.2	2428.4	2397.7	2365.6	2373.6	2351.9	2317.4
37.5°	2799.4	2856.5	2797.5	2762.1	2696.0	2636.1	2546.4	2509.1	2488.8	2457.2
40°	3082.2	3114.8	3069.9	3039.7	2968.0	2874.0	2730.5	2651.7	2624.3	2593.6
42.5°	3290.4	3321.5	3297.5	3276.7	3220.5	3111.5	2925.9	2827.3	2787.6	2753.2
45°	3455.6	3478.7	3463.6	3471.2	3447.1	3341.4	3128.5	3015.6	2974.6	2932.5
47.5°	3522.2	3546.7	3570.8	3615.6	3656.7	3578.8	3346.1	3219.6	3176.1	3133.2
50°	3514.6	3539.6	3609.5	3704.9	3832.3	3806.4	3575.5	3436.7	3396.6	3347.5
52.5°	3454.2	3482.5	3572.2	3730.8	3933.8	3976.8	3809.2	3661.0	3623.2	3564.7
55°	3295.6	3312.6	3447.1	3671.8	3957.9	4095.7	4038.1	3899.8	3862.1	3780.4
57.5°	3001.5	3026.0	3221.9	3512.7	3897.5	4176.5	4239.3	4151.0	4114.6	3997.1
60°	2617.7	2656.9	2881.1	3245.5	3743.6	4176.0	4421.9	4397.9	4367.7	4210.5
62.5°	2183.4	2228.7	2444.4	2867.9	3474.5	4057.5	4536.2	4604.6	4589.1	4407.3
65°	1676.8	1708.0	1922.8	2379.3	3055.8	3803.1	4549.4	4745.8	4748.6	4557.0
67.5°	1116.5	1206.2	1392.6	1785.4	2494.9	3387.2	4433.3	4768.9	4796.3	4608.4
70°	544.8	662.8	845.5	1160.4	1785.4	2749.4	4129.7	4579.2	4640.0	4458.3
72.5°	226.1	264.4	364.0	572.6	1024.9	1855.3	3519.8	4064.6	4177.4	3950.3
75°	152.5	165.2	208.2	293.6	466.9	914.9	2538.4	3030.7	3212.5	2983.5
77.5°	117.5	125.6	151.5	205.4	277.6	346.0	1358.6	1826.5	1920.4	1777.8
80°	92.5	98.7	113.3	149.6	196.9	185.1	463.1	827.6	881.8	739.7
82.5°	80.3	82.6	81.2	101.5	130.8	108.1	152.0	305.4	337.1	244.5
85°	58.1	64.7	67.5	62.8	69.4	54.8	62.3	108.1	119.0	106.2
87.5°	23.6	34.9	43.0	40.6	25.5	15.6	19.4	31.6	36.3	39.7
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°
996.6	0°	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6
997.0	2.5°	997.5	1000.8	1003.2	1006.0	1007.9	1010.7	1016.4	1019.7	1020.2	1022.5
1004.6	5°	1006.5	1011.2	1016.4	1023.9	1032.4	1039.5	1050.4	1057.9	1060.8	1063.1
1023.0	7.5°	1025.8	1032.4	1041.9	1055.1	1067.4	1076.8	1090.0	1099.0	1108.0	1111.3
1052.3	10°	1054.6	1064.1	1077.8	1095.7	1108.9	1121.2	1134.9	1142.4	1151.4	1155.2
1087.2	12.5°	1090.5	1100.4	1118.4	1143.4	1155.6	1164.1	1168.9	1167.0	1168.9	1172.2
1129.2	15°	1131.6	1142.4	1162.7	1189.6	1198.1	1190.6	1180.2	1170.8	1169.3	1170.3
1180.2	17.5°	1180.2	1188.2	1211.8	1234.5	1228.3	1197.2	1174.5	1159.4	1151.9	1149.5
1245.3	20°	1248.2	1248.2	1267.5	1281.7	1240.6	1187.7	1152.3	1127.8	1112.2	1105.6
1334.1	22.5°	1330.8	1323.2	1335.5	1325.6	1238.3	1161.3	1112.2	1069.7	1046.1	1036.7
1458.2	25°	1435.6	1426.6	1423.3	1361.9	1221.3	1119.3	1039.5	988.1	967.3	962.1
1637.2	27.5°	1593.7	1571.1	1528.1	1381.8	1190.1	1053.2	954.5	906.9	895.1	895.5
1867.1	30°	1804.3	1759.0	1653.7	1385.1	1139.1	959.7	867.7	833.7	828.0	830.4
2060.1	32.5°	1999.2	1956.3	1782.1	1370.0	1060.8	868.2	789.8	767.1	758.6	761.5
2207.4	35°	2152.2	2140.4	1901.1	1348.7	964.5	782.2	719.9	700.6	684.0	680.3
2346.2	37.5°	2296.7	2291.9	1990.3	1319.0	869.1	721.3	663.7	638.2	614.2	601.0
2499.6	40°	2455.3	2450.6	2048.8	1273.2	784.6	668.5	613.2	579.7	550.0	525.9
2673.4	42.5°	2633.7	2605.9	2076.7	1207.6	712.8	623.6	572.2	526.8	487.7	465.5
2869.8	45°	2828.7	2765.9	2076.2	1124.0	652.4	582.5	528.3	464.1	427.7	406.9
3071.3	47.5°	3035.5	2918.9	2050.7	1031.5	593.9	537.2	460.3	411.2	387.1	374.4
3290.4	50°	3248.8	3061.9	2007.3	925.3	533.9	485.8	417.8	384.3	365.9	354.1
3507.5	52.5°	3449.5	3191.7	1954.9	804.9	473.0	435.7	398.9	372.9	353.6	340.4
3718.1	55°	3635.9	3303.6	1880.8	681.7	423.5	402.2	389.9	368.2	346.0	330.5
3931.9	57.5°	3801.6	3376.3	1752.8	566.0	388.0	379.1	380.5	360.2	334.7	321.5
4142.5	60°	3939.5	3429.6	1563.5	458.9	359.3	356.4	365.9	345.1	315.3	300.2
4320.5	62.5°	4022.1	3428.7	1331.3	375.8	334.7	335.6	346.5	326.2	296.0	281.8
4413.5	65°	4015.0	3344.7	1076.3	321.5	311.1	312.0	326.2	305.4	279.9	271.4
4366.7	67.5°	3872.9	3139.8	825.7	286.1	285.1	289.4	305.9	291.3	270.0	269.1
4088.2	70°	3488.2	2714.4	594.8	257.8	258.2	264.4	286.1	282.3	264.8	266.7
3437.2	72.5°	2797.1	2069.6	399.4	228.0	228.5	238.4	267.2	275.2	259.6	284.7
2438.8	75°	1862.8	1290.7	256.8	196.4	196.9	209.6	250.7	261.5	245.5	283.7
1268.9	77.5°	895.1	580.2	186.0	165.2	165.2	177.0	216.7	234.2	209.1	220.5
407.9	80°	309.2	218.1	146.3	133.1	130.3	138.3	182.7	203.0	180.3	166.2
133.1	82.5°	121.8	113.3	117.5	103.4	93.9	99.1	142.1	167.6	132.7	119.9
75.1	85°	69.9	73.6	83.1	68.5	54.3	60.9	104.3	120.4	100.1	88.3
24.5	87.5°	18.9	26.0	38.2	35.4	24.5	26.0	49.6	66.6	57.6	44.4
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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996.6
1022.0
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896.9
838.4
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406.0
371.5
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313.0
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