

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: P846577

Luminaire Tested: **GLAN-SB2B-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846577
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-SB2B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8667 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

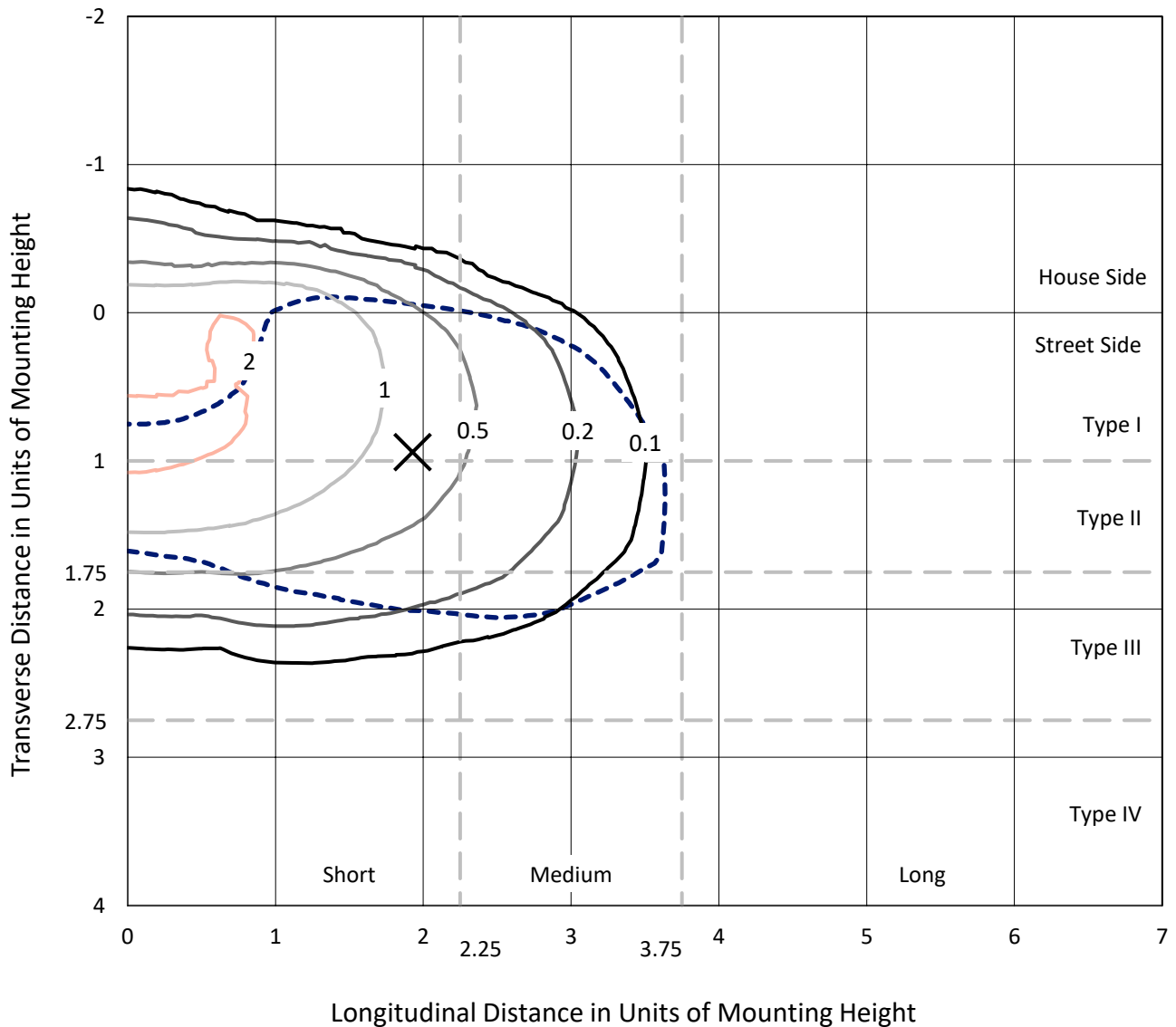
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

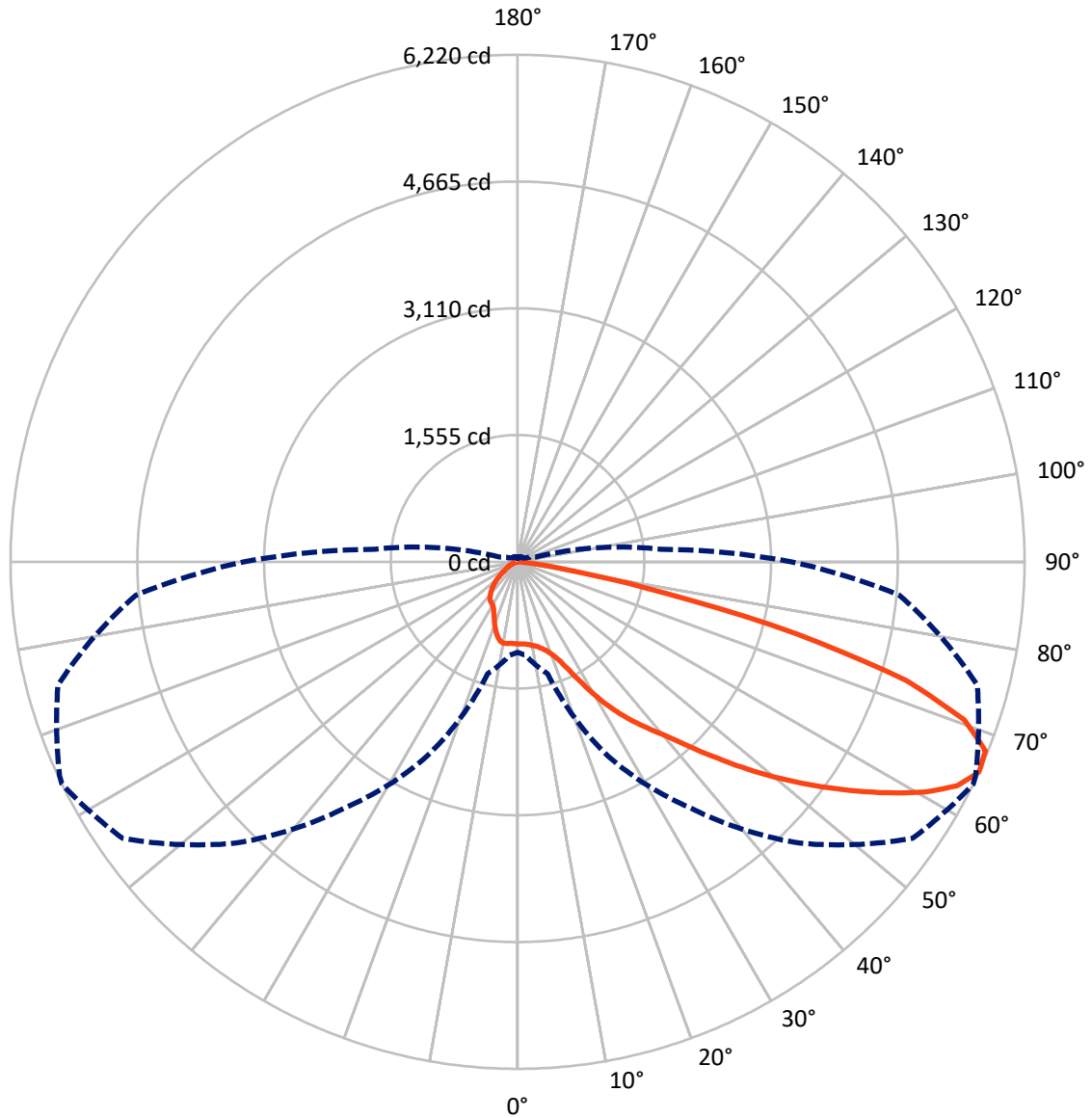
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	1159.0	0.0	1159.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7508.0	0.0	7508.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	8667.0	0.0	8667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	1.1
10°-20°	252.3	2.9
20°-30°	478.0	5.5
30°-40°	967.2	11.2
40°-50°	1647.7	19.0
50°-60°	2240.8	25.9
60°-70°	2104.2	24.3
70°-80°	843.0	9.7
80°-90°	40.8	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°	8667.0	100.0
0°-180°	8667.0	100.0

Coefficient of Utilization



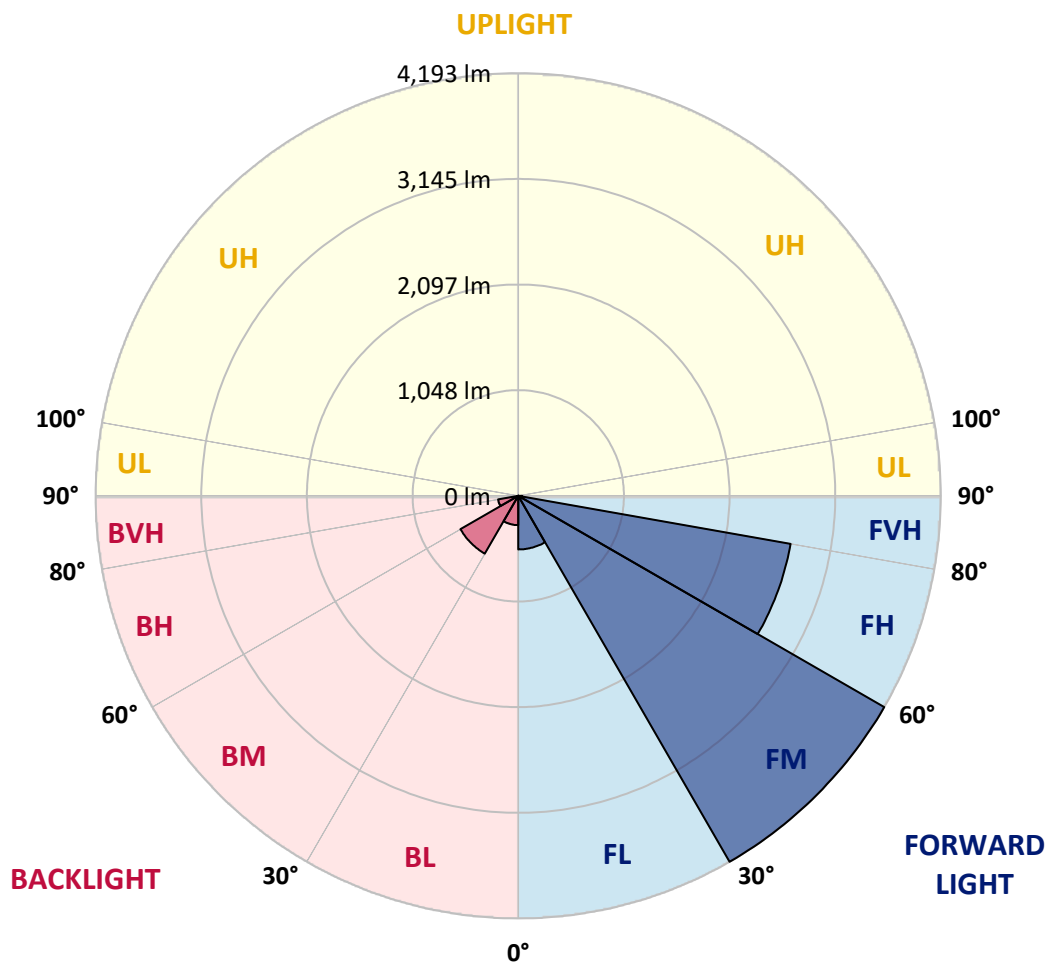
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.3	6.1			
FM (30°-60°)	4193.1	48.4			
FH (60°-80°)	2743.8	31.7			G2/5000
FVH (80°-90°)	38.8	0.4			G1/100
BL (0°-30°)	291.0	3.4	B1/500		
BM (30°-60°)	662.6	7.6	B1/1000		
BH (60°-80°)	203.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1
2.5°	1004.6	1011.5	1009.8	1008.1	1007.5	1008.6	1009.2	1008.6	1008.6	1008.6
5°	985.4	991.2	991.2	995.3	1001.1	1008.1	1013.3	1014.5	1015.6	1017.4
7.5°	948.8	953.4	956.9	970.3	984.8	1003.4	1019.1	1027.2	1028.4	1034.8
10°	923.8	929.6	935.4	949.4	970.3	998.2	1024.9	1044.7	1047.6	1062.7
12.5°	922.7	928.5	936.0	951.1	975.5	1005.2	1037.7	1066.2	1071.4	1093.5
15°	934.9	941.8	948.8	967.4	993.5	1029.6	1064.4	1099.9	1105.1	1136.5
17.5°	959.8	969.1	974.4	993.0	1020.8	1060.9	1106.8	1147.5	1152.2	1188.8
20°	1009.2	1020.3	1022.0	1037.1	1064.4	1107.4	1162.0	1212.6	1218.4	1260.2
22.5°	1111.5	1127.2	1113.2	1120.8	1145.2	1188.2	1247.4	1311.4	1319.5	1367.1
25°	1291.6	1313.7	1277.7	1264.9	1275.3	1320.1	1394.4	1475.2	1484.5	1522.8
27.5°	1645.4	1617.0	1562.4	1508.9	1477.5	1503.1	1586.8	1686.7	1698.3	1735.5
30°	2034.1	2009.2	1935.4	1816.8	1742.5	1738.4	1815.7	1927.2	1940.6	1976.0
32.5°	2423.4	2399.6	2319.4	2173.6	2044.6	1980.7	2034.1	2157.9	2164.9	2187.5
35°	2806.3	2781.9	2701.7	2552.4	2393.8	2248.5	2238.1	2377.5	2379.8	2403.7
37.5°	3191.5	3171.2	3085.8	2939.4	2783.1	2582.6	2485.6	2585.5	2588.4	2611.7
40°	3466.3	3475.1	3416.4	3303.1	3168.9	2949.8	2763.3	2806.9	2789.5	2828.4
42.5°	3702.2	3719.7	3668.5	3611.6	3533.7	3340.8	3107.3	3099.7	3071.8	3092.7
45°	3906.2	3920.7	3874.8	3861.4	3859.7	3724.3	3483.2	3437.9	3398.9	3394.9
47.5°	3981.1	4009.0	4028.8	4073.5	4160.7	4103.7	3871.9	3801.6	3758.0	3726.1
50°	4009.6	4039.2	4106.6	4236.8	4443.0	4467.4	4258.8	4179.8	4126.4	4068.3
52.5°	3971.2	4024.1	4114.8	4333.8	4633.0	4759.1	4630.1	4561.0	4500.0	4405.3
55°	3745.2	3798.1	3983.4	4332.6	4727.7	4963.6	4981.0	4950.3	4881.7	4732.4
57.5°	3268.8	3347.2	3640.6	4185.1	4726.0	5139.7	5325.0	5347.1	5270.4	5056.6
60°	2608.8	2715.1	3073.0	3857.9	4580.1	5235.0	5626.6	5736.9	5655.6	5376.1
62.5°	1820.3	1943.5	2282.2	3345.5	4246.6	5166.4	5846.8	6050.7	5989.1	5662.0
65°	1110.3	1149.8	1422.9	2632.6	3679.6	4879.4	5914.7	6220.4	6200.0	5836.9
67.5°	739.6	772.8	851.2	1805.2	2856.3	4305.9	5752.1	6190.7	6196.5	5808.4
70°	445.6	474.1	525.2	1049.9	1851.1	3408.2	5248.3	5813.1	5846.8	5427.8
72.5°	183.6	202.8	249.3	475.9	958.7	2163.1	4179.2	4990.9	5069.4	4563.9
75°	104.0	113.9	146.4	238.8	416.0	1008.1	2531.5	3543.0	3658.7	3145.6
77.5°	69.1	73.8	94.7	154.6	234.1	344.0	1081.9	1845.9	2066.7	1718.1
80°	46.5	50.5	65.1	103.4	152.2	147.6	344.5	683.9	841.3	590.3
82.5°	31.4	32.0	46.5	68.0	96.4	71.5	101.7	212.7	267.3	170.8
85°	18.0	17.4	34.3	39.5	43.0	29.6	30.8	63.9	83.7	72.0
87.5°	2.3	3.5	13.4	10.5	5.8	6.4	6.4	11.0	16.3	17.4
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°
1008.1	0°	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1
1009.2	2.5°	1009.2	1008.6	1006.9	1005.2	1001.1	998.8	999.9	998.8	998.2	998.8
1016.8	5°	1016.8	1015.0	1010.4	1004.6	996.4	986.6	980.2	970.9	962.2	956.9
1037.1	7.5°	1037.1	1035.4	1029.0	1012.7	986.6	945.3	907.5	874.4	849.4	834.9
1069.6	10°	1069.6	1066.7	1056.9	1020.8	952.3	862.2	787.3	725.1	684.4	665.3
1108.0	12.5°	1108.0	1104.5	1087.1	1013.3	887.2	746.6	643.2	574.0	536.3	519.4
1152.2	15°	1153.3	1148.7	1114.4	977.3	792.5	618.8	524.1	472.4	448.0	432.9
1208.5	17.5°	1209.7	1201.5	1134.7	923.2	689.7	521.2	450.9	411.9	390.4	375.9
1282.3	20°	1282.9	1269.5	1151.0	858.7	595.0	459.6	401.5	368.9	352.7	339.9
1386.9	22.5°	1385.1	1366.0	1170.7	789.0	528.1	417.2	364.9	341.1	327.7	313.2
1532.7	25°	1511.8	1489.1	1195.1	724.5	482.2	380.6	338.2	318.4	302.7	285.9
1723.9	27.5°	1689.0	1648.3	1224.2	671.7	442.7	349.2	313.7	291.7	273.7	259.7
1940.6	30°	1886.6	1819.7	1249.8	639.7	406.7	320.1	281.8	259.7	242.9	233.0
2135.2	32.5°	2073.6	1983.0	1266.6	625.8	374.2	287.0	246.9	223.1	210.3	207.4
2325.8	35°	2250.3	2130.6	1264.9	612.4	345.1	253.9	212.7	188.2	178.4	180.1
2530.9	37.5°	2453.6	2288.0	1252.7	591.5	321.3	223.7	183.0	161.5	152.8	153.4
2780.2	40°	2690.1	2469.9	1245.1	552.0	295.2	195.8	158.6	141.2	134.8	132.5
3042.8	42.5°	2942.3	2645.9	1246.3	507.2	262.6	170.8	141.8	127.2	121.4	119.7
3335.0	45°	3195.6	2813.9	1248.0	460.7	228.3	151.6	129.6	117.4	113.9	111.6
3631.3	47.5°	3433.8	2956.8	1215.5	410.8	194.6	137.1	119.7	111.6	108.6	105.7
3928.8	50°	3655.8	3052.1	1137.0	352.7	167.9	125.5	112.1	106.3	103.4	100.5
4198.4	52.5°	3828.3	3067.2	1007.5	292.8	149.3	116.8	107.5	102.3	98.8	95.9
4416.3	55°	3905.0	2972.5	823.3	237.1	134.8	109.2	102.8	97.6	93.5	90.6
4587.7	57.5°	3885.3	2773.2	642.0	190.6	120.9	101.7	97.0	93.5	88.9	84.2
4726.6	60°	3788.2	2506.5	484.0	158.6	108.1	93.5	90.6	87.7	81.3	74.4
4780.0	62.5°	3620.3	2171.3	345.1	131.3	94.1	84.2	83.1	80.8	71.5	58.7
4701.0	65°	3363.5	1764.0	232.4	109.2	80.8	73.8	74.4	70.3	58.1	43.6
4411.7	67.5°	2988.2	1289.9	148.7	89.5	67.4	61.6	62.2	59.8	49.4	37.2
3863.2	70°	2510.0	854.1	97.0	68.0	54.0	47.6	51.1	51.7	41.8	30.2
2964.9	72.5°	1840.1	504.3	68.0	50.5	39.5	33.1	41.8	43.0	33.7	22.7
1783.7	75°	1048.7	239.4	51.1	36.6	24.4	23.2	32.5	32.5	23.2	15.1
772.2	77.5°	440.4	99.9	36.0	23.8	13.9	13.4	22.1	20.3	11.6	7.0
188.2	80°	127.2	44.7	19.2	11.6	5.8	5.2	8.7	6.4	2.9	1.2
71.5	82.5°	50.0	19.8	7.6	4.6	2.3	2.3	1.2	0.0	0.0	0.0
40.7	85°	29.6	8.1	3.5	1.7	0.6	0.0	0.0	0.0	0.0	0.0
8.7	87.5°	7.6	1.7	1.2	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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1008.1
1001.1
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