

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: P846288

Luminaire Tested: **GLAN-SB1D-830-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846288  
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-SB1D-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8746 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

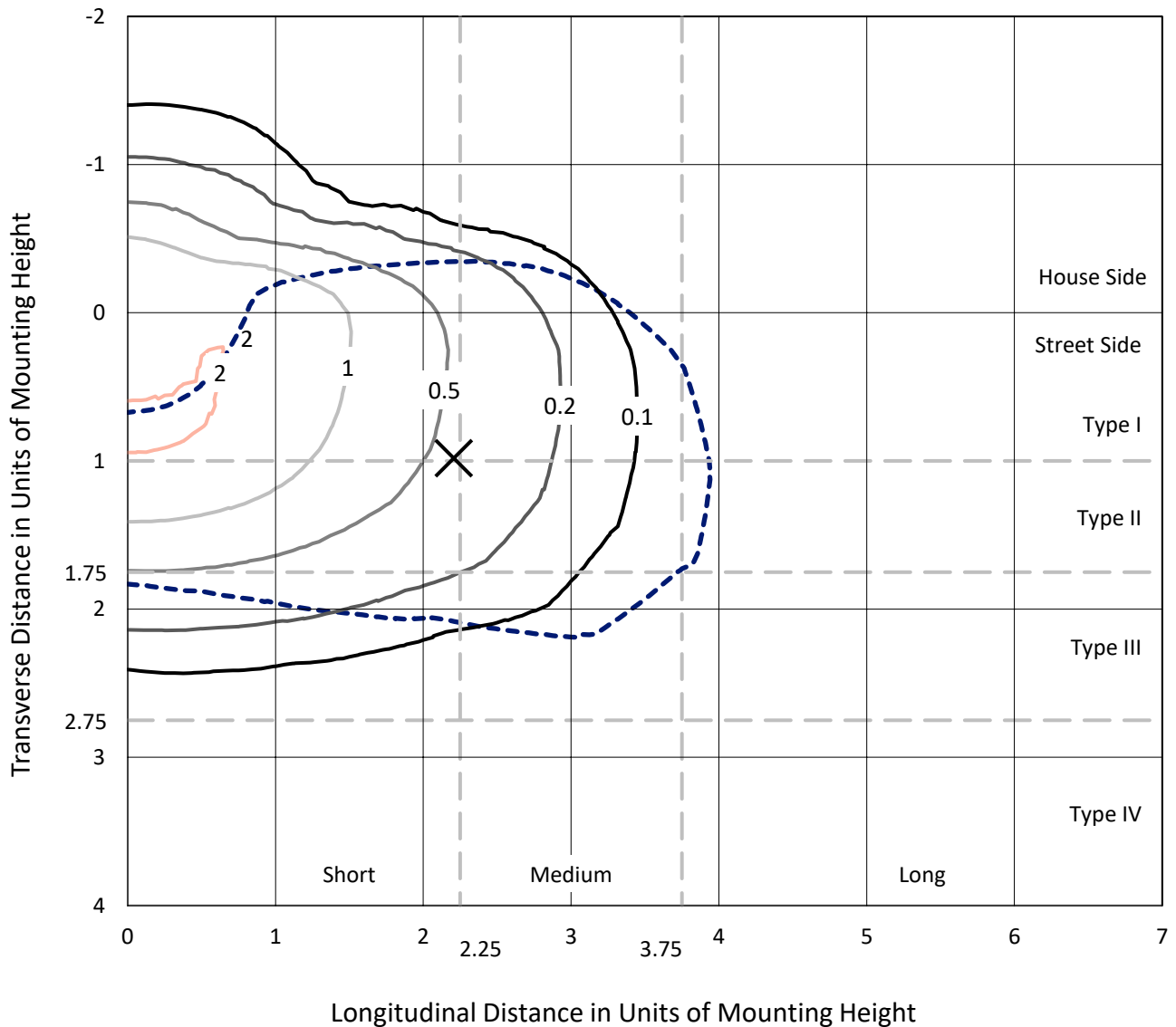
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

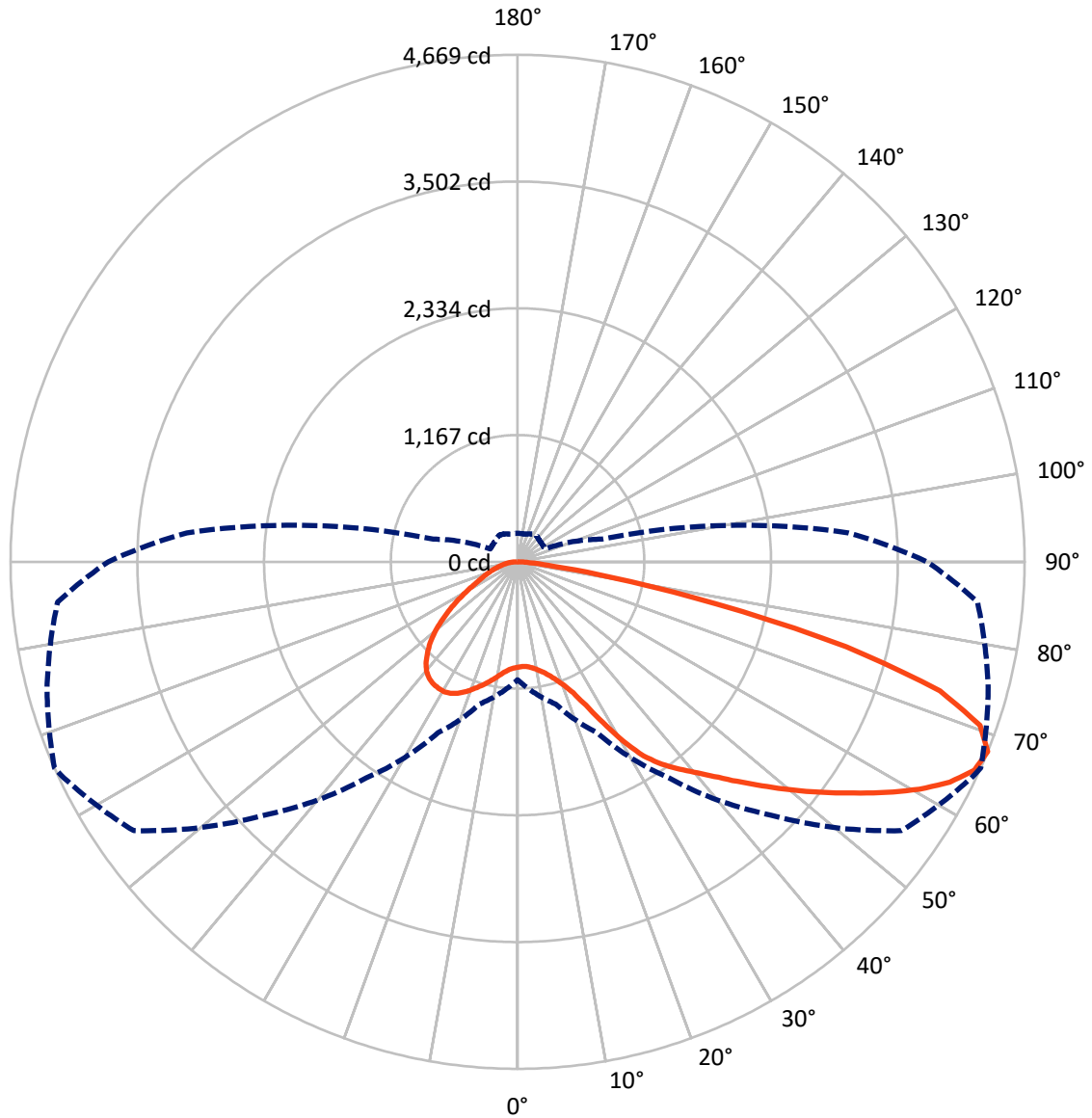
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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
<b>House Side</b>	Lumens	2174.7	0.0	2174.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	6571.3	0.0	6571.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	8746.0	0.0	8746.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.2	1.1
10°-20°	317.8	3.6
20°-30°	612.5	7.0
30°-40°	1073.9	12.3
40°-50°	1596.5	18.3
50°-60°	2023.7	23.1
60°-70°	1980.1	22.6
70°-80°	944.5	10.8
80°-90°	100.9	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°	8746.0	100.0
0°-180°	8746.0	100.0

**Coefficient of Utilization**



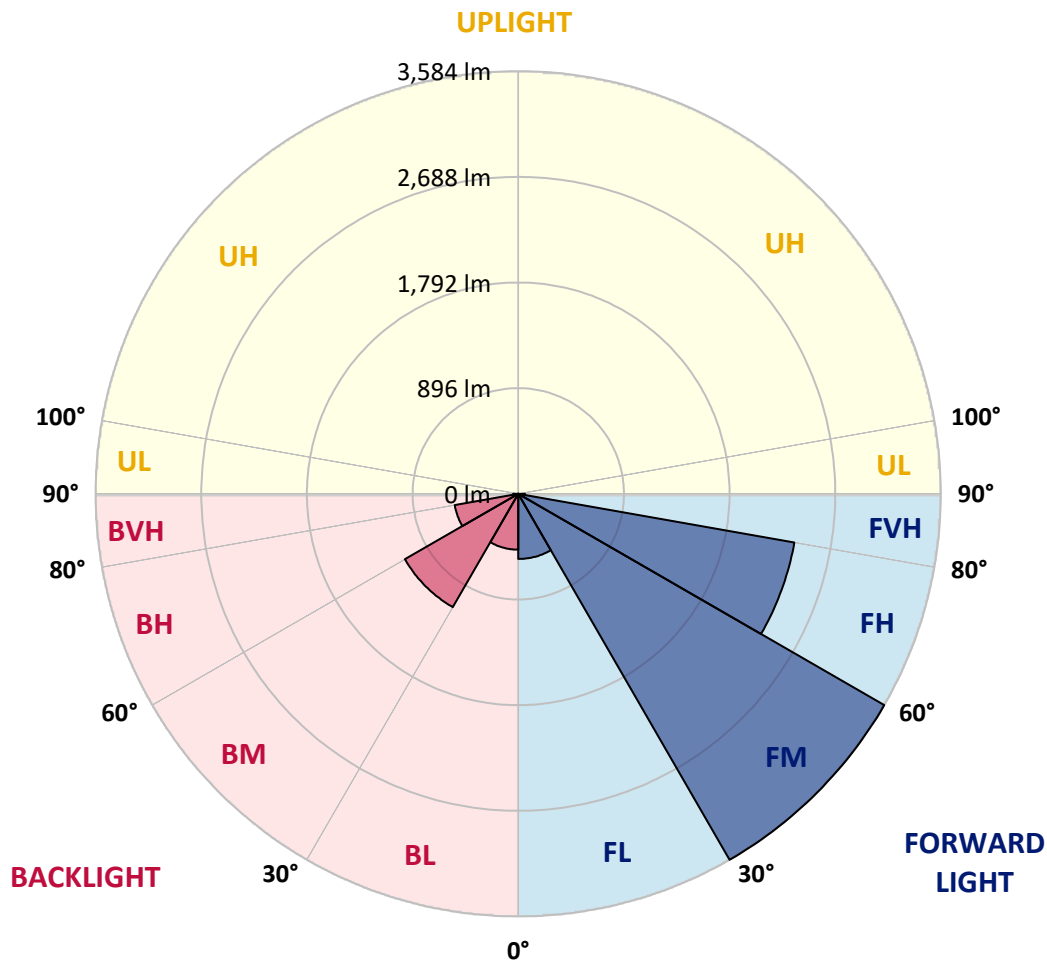
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.7	6.3			
FM (30°-60°)	3584.0	41.0			
FH (60°-80°)	2377.4	27.2			G2/5000
FVH (80°-90°)	57.2	0.7			G1/100
BL (0°-30°)	473.7	5.4	B1/500		
BM (30°-60°)	1110.0	12.7	B2/2500		
BH (60°-80°)	547.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	43.7	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°	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0
2.5°	959.9	965.5	964.1	961.8	961.3	962.2	963.6	965.0	964.5	966.8
5°	957.2	962.7	962.2	962.2	964.1	967.7	970.0	972.3	970.0	972.8
7.5°	959.0	963.2	965.0	966.8	971.4	978.3	983.8	988.9	986.1	989.3
10°	982.5	985.7	987.5	987.5	990.7	998.5	1004.1	1013.2	1010.9	1016.0
12.5°	1025.2	1028.4	1028.4	1026.6	1028.9	1033.9	1035.8	1045.9	1041.7	1050.0
15°	1077.6	1084.0	1079.0	1075.7	1076.7	1081.7	1081.3	1089.1	1084.9	1091.8
17.5°	1135.5	1143.7	1135.5	1135.0	1133.2	1138.7	1139.2	1146.0	1138.7	1143.7
20°	1203.9	1215.4	1208.5	1210.8	1206.7	1209.0	1211.3	1221.4	1209.9	1213.6
22.5°	1300.4	1314.2	1306.9	1315.6	1312.8	1311.0	1310.6	1328.5	1310.6	1311.9
25°	1441.1	1457.6	1444.7	1456.7	1456.7	1462.7	1469.5	1492.5	1462.7	1453.9
27.5°	1648.8	1665.3	1640.0	1647.4	1645.1	1659.8	1652.4	1709.4	1677.2	1663.0
30°	1898.7	1928.1	1880.4	1878.5	1876.2	1899.7	1910.2	1947.9	1915.3	1901.0
32.5°	2168.9	2199.7	2142.7	2126.2	2117.5	2131.7	2123.0	2153.3	2130.8	2108.7
35°	2454.8	2485.1	2430.9	2398.7	2363.8	2333.9	2302.7	2310.5	2289.3	2255.8
37.5°	2725.0	2780.6	2723.1	2688.7	2624.3	2566.0	2478.7	2442.3	2422.6	2391.8
40°	3000.2	3031.9	2988.3	2958.9	2889.0	2797.6	2657.9	2581.1	2554.5	2524.6
42.5°	3202.9	3233.2	3209.7	3189.5	3134.8	3028.7	2848.1	2752.1	2713.5	2679.9
45°	3363.7	3386.2	3371.5	3378.9	3355.4	3252.5	3045.2	2935.4	2895.4	2854.5
47.5°	3428.5	3452.4	3475.8	3519.5	3559.4	3483.6	3257.1	3133.9	3091.7	3049.8
50°	3421.1	3445.5	3513.5	3606.3	3730.4	3705.1	3480.4	3345.3	3306.2	3258.5
52.5°	3362.3	3389.9	3477.2	3631.6	3829.2	3871.0	3707.9	3563.6	3526.8	3469.8
55°	3207.9	3224.5	3355.4	3574.1	3852.6	3986.8	3930.7	3796.1	3759.3	3679.8
57.5°	2921.6	2945.5	3136.2	3419.3	3793.8	4065.4	4126.5	4040.6	4005.2	3890.8
60°	2548.0	2586.2	2804.5	3159.2	3644.0	4064.9	4304.3	4280.9	4251.5	4098.5
62.5°	2125.3	2169.4	2379.4	2791.6	3382.1	3949.6	4415.5	4482.2	4467.0	4290.1
65°	1632.2	1662.5	1871.6	2316.0	2974.5	3701.9	4428.4	4619.6	4622.3	4435.7
67.5°	1086.8	1174.1	1355.6	1737.9	2428.6	3297.1	4315.4	4642.1	4668.7	4485.8
70°	530.3	645.2	823.0	1129.5	1737.9	2676.2	4019.9	4457.3	4516.6	4339.7
72.5°	220.1	257.3	354.3	557.4	997.6	1805.9	3426.2	3956.5	4066.3	3845.3
75°	148.4	160.8	202.6	285.8	454.5	890.6	2470.8	2950.1	3127.0	2904.2
77.5°	114.4	122.2	147.5	199.9	270.2	336.8	1322.5	1777.9	1869.3	1730.6
80°	90.1	96.0	110.3	145.7	191.6	180.1	450.8	805.5	858.4	720.1
82.5°	78.1	80.4	79.0	98.8	127.3	105.2	148.0	297.3	328.1	238.0
85°	56.5	63.0	65.7	61.1	67.5	53.3	60.7	105.2	115.8	103.4
87.5°	23.0	34.0	41.8	39.5	24.8	15.2	18.8	30.8	35.4	38.6
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°
970.0	0°	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0
970.5	2.5°	971.0	974.2	976.5	979.2	981.1	983.8	989.3	992.6	993.0	995.3
977.9	5°	979.7	984.3	989.3	996.7	1005.0	1011.9	1022.4	1029.8	1032.5	1034.8
995.8	7.5°	998.5	1005.0	1014.2	1027.0	1039.0	1048.2	1061.0	1069.8	1078.5	1081.7
1024.3	10°	1026.6	1035.8	1049.1	1066.5	1079.4	1091.4	1104.7	1112.0	1120.8	1124.4
1058.3	12.5°	1061.5	1071.1	1088.6	1113.0	1124.9	1133.2	1137.8	1135.9	1137.8	1141.0
1099.2	15°	1101.5	1112.0	1131.8	1158.0	1166.3	1158.9	1148.8	1139.6	1138.2	1139.2
1148.8	17.5°	1148.8	1156.6	1179.6	1201.6	1195.7	1165.3	1143.3	1128.6	1121.2	1118.9
1212.2	20°	1215.0	1215.0	1233.8	1247.6	1207.6	1156.2	1121.7	1097.8	1082.6	1076.2
1298.6	22.5°	1295.4	1288.0	1300.0	1290.3	1205.3	1130.4	1082.6	1041.3	1018.3	1009.1
1419.5	25°	1397.4	1388.7	1385.5	1325.7	1188.8	1089.5	1011.9	961.8	941.6	936.5
1593.6	27.5°	1551.3	1529.3	1487.5	1345.0	1158.5	1025.2	929.1	882.7	871.3	871.7
1817.4	30°	1756.3	1712.2	1609.7	1348.2	1108.8	934.2	844.6	811.5	806.0	808.3
2005.3	32.5°	1946.1	1904.3	1734.7	1333.5	1032.5	845.1	768.8	746.7	738.4	741.2
2148.7	35°	2095.0	2083.5	1850.5	1312.8	938.8	761.4	700.8	681.9	665.8	662.2
2283.8	37.5°	2235.6	2231.0	1937.3	1283.9	846.0	702.1	646.1	621.3	597.8	585.0
2433.2	40°	2390.0	2385.4	1994.3	1239.3	763.7	650.7	596.9	564.3	535.3	511.9
2602.3	42.5°	2563.7	2536.6	2021.4	1175.5	693.9	607.0	556.9	512.8	474.7	453.1
2793.4	45°	2753.4	2692.3	2021.0	1094.1	635.1	567.0	514.2	451.7	416.3	396.1
2989.6	47.5°	2954.7	2841.2	1996.2	1004.1	578.1	522.9	448.0	400.2	376.8	364.4
3202.9	50°	3162.4	2980.4	1953.9	900.7	519.7	472.8	406.7	374.0	356.1	344.6
3414.2	52.5°	3357.7	3106.8	1902.9	783.5	460.4	424.1	388.3	363.0	344.2	331.3
3619.2	55°	3539.2	3215.7	1830.7	663.5	412.2	391.5	379.6	358.4	336.8	321.7
3827.3	57.5°	3700.5	3286.5	1706.2	551.0	377.7	369.0	370.4	350.6	325.8	312.9
4032.3	60°	3834.7	3338.4	1521.9	446.7	349.7	346.9	356.1	335.9	307.0	292.3
4205.5	62.5°	3915.1	3337.5	1295.8	365.8	325.8	326.7	337.3	317.5	288.1	274.3
4296.1	65°	3908.2	3255.7	1047.7	312.9	302.8	303.7	317.5	297.3	272.5	264.2
4250.6	67.5°	3769.9	3056.3	803.7	278.5	277.6	281.7	297.8	283.5	262.8	261.9
3979.4	70°	3395.4	2642.2	579.0	250.9	251.4	257.3	278.5	274.8	257.8	259.6
3345.8	72.5°	2722.7	2014.5	388.8	221.9	222.4	232.1	260.1	267.9	252.7	277.1
2373.9	75°	1813.3	1256.3	250.0	191.2	191.6	204.0	244.0	254.6	239.0	276.2
1235.2	77.5°	871.3	564.8	181.1	160.8	160.8	172.3	210.9	227.9	203.6	214.6
397.0	80°	301.0	212.3	142.5	129.6	126.8	134.6	177.8	197.6	175.5	161.8
129.6	82.5°	118.6	110.3	114.4	100.6	91.4	96.5	138.3	163.1	129.1	116.7
73.1	85°	68.0	71.7	80.9	66.6	52.8	59.3	101.6	117.2	97.4	85.9
23.9	87.5°	18.4	25.3	37.2	34.5	23.9	25.3	48.2	64.8	56.1	43.2
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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970.0
994.9
1034.4
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1126.3
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1142.4
1122.1
1074.8
1007.7
937.4
873.1
816.1
744.9
664.9
585.4
514.2
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395.2
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