

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: P852238

Luminaire Tested: **GLAN-SB2B-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7583 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

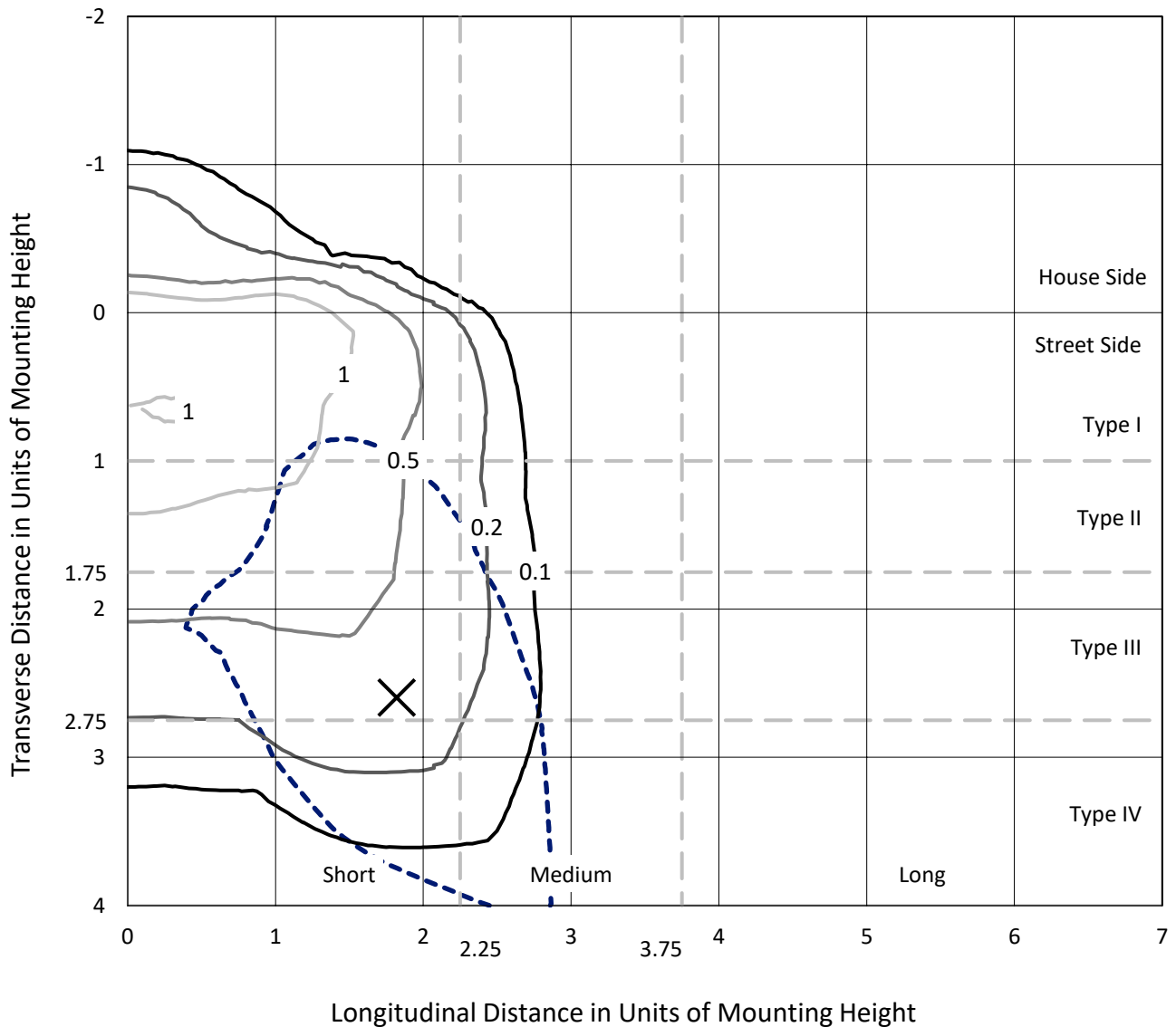
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

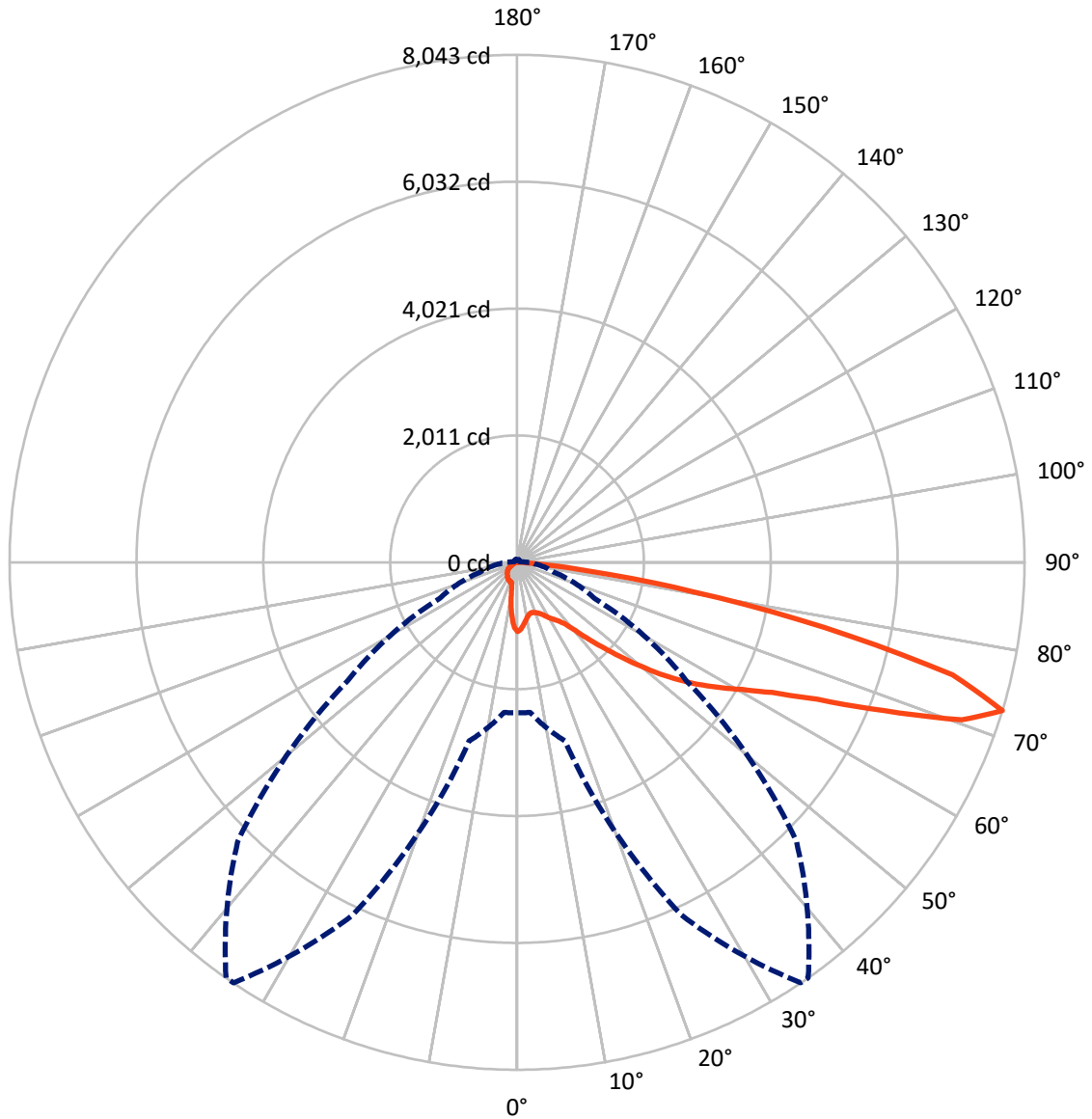
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	853.4	0.0	853.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6729.6	0.0	6729.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	7583.0	0.0	7583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.2
10°-20°	211.3	2.8
20°-30°	343.2	4.5
30°-40°	572.6	7.6
40°-50°	1083.4	14.3
50°-60°	1721.6	22.7
60°-70°	2129.7	28.1
70°-80°	1323.8	17.5
80°-90°	107.0	1.4
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°	7583.0	100.0
0°-180°	7583.0	100.0

Coefficient of Utilization

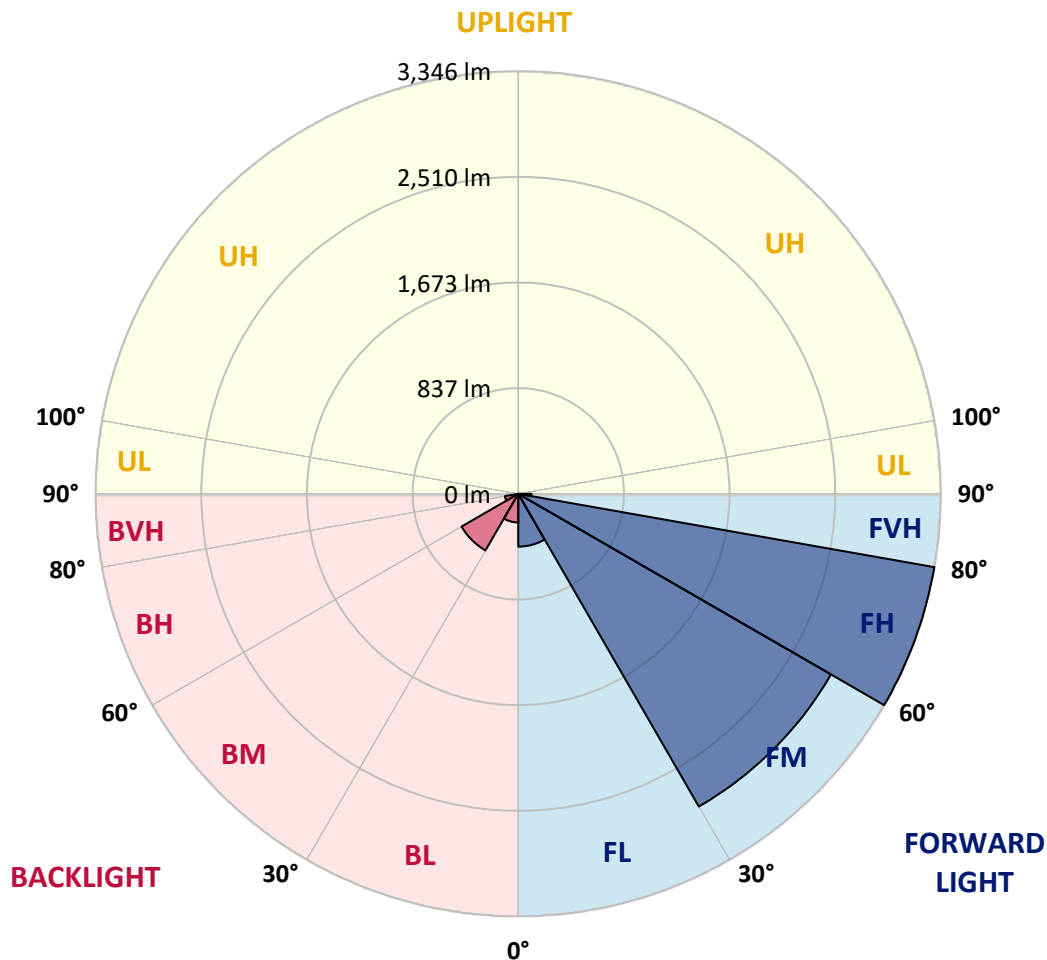


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.0	5.5			
FM (30°-60°)	2859.5	37.7			
FH (60°-80°)	3346.5	44.1			G2/5000
FVH (80°-90°)	105.5	1.4			G2/225
BL (0°-30°)	226.8	3.0	B1/500		
BM (30°-60°)	518.1	6.8	B1/1000		
BH (60°-80°)	107.1	1.4	B0/110		G0/110
BVH (80°-90°)	1.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0
2.5°	1050.1	1059.0	1060.7	1063.5	1063.5	1066.8	1072.4	1080.1	1092.9	1099.6
5°	967.9	974.6	982.9	989.6	1002.4	1004.0	1025.7	1046.8	1076.3	1098.5
7.5°	885.1	892.9	904.0	920.1	936.8	941.8	974.6	1010.1	1056.8	1098.5
10°	826.8	827.3	837.3	853.4	880.1	886.2	926.2	976.8	1035.1	1091.8
12.5°	794.0	797.9	802.3	814.5	840.1	844.0	886.8	946.2	1013.5	1087.9
15°	794.0	796.8	799.5	805.7	826.2	829.6	867.3	926.8	1002.4	1089.6
17.5°	802.3	806.8	804.5	811.8	833.4	835.7	869.0	921.2	1001.8	1100.1
20°	822.3	825.7	821.2	825.7	847.3	851.8	886.2	931.8	1011.2	1118.5
22.5°	854.0	855.7	845.1	848.4	870.7	876.2	916.2	961.8	1034.0	1147.9
25°	894.0	897.3	881.2	885.1	906.2	912.9	959.0	1006.8	1070.1	1188.5
27.5°	940.1	941.8	927.9	927.3	954.6	964.0	1010.7	1062.4	1118.5	1239.6
30°	992.9	997.9	984.6	982.3	1016.8	1024.6	1070.7	1130.7	1189.6	1316.3
32.5°	1034.6	1038.5	1030.7	1036.2	1071.2	1077.4	1143.5	1227.4	1301.3	1425.2
35°	1094.6	1096.8	1079.0	1089.0	1129.0	1144.6	1242.9	1363.0	1441.9	1561.9
37.5°	1311.8	1311.8	1236.3	1186.8	1225.2	1239.0	1379.1	1533.5	1615.2	1745.2
40°	1612.4	1607.4	1496.9	1395.7	1390.7	1418.0	1573.0	1748.6	1839.1	1965.3
42.5°	1933.0	1925.2	1774.7	1674.7	1658.0	1667.4	1796.9	2013.6	2105.8	2233.6
45°	2217.5	2215.3	2077.5	1943.0	1913.0	1943.0	2076.4	2323.6	2389.8	2524.2
47.5°	2455.9	2455.9	2355.3	2267.5	2252.0	2269.7	2454.8	2667.6	2661.5	2833.7
50°	2730.4	2728.1	2632.6	2594.8	2610.9	2635.9	2890.4	3029.8	2942.6	3137.6
52.5°	2922.6	2935.9	2903.2	2897.0	2979.3	3022.6	3332.7	3384.3	3194.3	3426.0
55°	3074.8	3090.4	3128.2	3171.0	3329.3	3386.0	3761.0	3720.5	3404.9	3676.0
57.5°	3290.4	3268.2	3326.5	3411.0	3667.1	3735.5	4176.1	4037.7	3574.4	3878.8
60°	3552.1	3555.5	3565.5	3672.1	4004.4	4092.2	4585.0	4337.8	3683.3	4003.3
62.5°	3866.6	3871.6	3892.2	4056.1	4457.2	4540.0	5020.6	4583.4	3733.3	3968.3
65°	3844.9	3866.1	4095.5	4656.2	5145.7	5227.3	5529.0	4755.6	3657.7	3648.2
67.5°	3502.7	3537.1	3921.1	5372.9	6183.6	6274.7	6143.6	4789.5	3331.5	2837.0
70°	3053.7	3066.0	3527.7	6017.4	7385.4	7477.6	6693.6	4416.7	2528.1	1582.4
72.5°	2384.8	2387.5	2929.3	6166.9	8037.7	8042.7	6261.9	3278.8	1359.6	607.9
75°	1703.6	1686.9	1961.9	5001.2	7071.5	7128.1	4694.5	1538.0	519.5	287.3
77.5°	913.5	931.8	1110.1	2965.9	4885.1	4981.8	2561.4	443.4	264.5	195.6
80°	282.3	297.8	455.1	1358.0	2767.0	2825.4	949.6	197.2	184.5	139.5
82.5°	88.9	92.2	212.2	570.6	1148.5	1175.2	275.0	111.7	126.1	92.2
85°	25.6	26.1	94.5	212.8	283.9	289.5	77.2	43.3	72.2	57.2
87.5°	2.8	8.9	35.6	35.6	25.0	24.4	8.3	9.4	20.6	7.2
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°
1099.0	0°	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0	1099.0
1104.0	2.5°	1101.3	1101.8	1094.6	1082.4	1069.0	1057.9	1044.0	1032.9	1025.1	1022.9
1114.0	5°	1109.0	1105.1	1084.6	1047.4	1002.9	964.6	921.8	887.9	865.7	856.2
1124.6	7.5°	1120.7	1109.6	1064.6	991.2	906.2	830.7	754.0	694.5	656.8	637.9
1134.6	10°	1130.7	1108.5	1031.2	910.1	780.1	665.6	562.3	490.6	450.6	431.7
1146.3	12.5°	1140.1	1107.9	987.9	814.0	637.9	497.8	401.7	366.2	355.0	351.2
1165.2	15°	1157.9	1109.6	933.5	704.0	496.2	376.2	341.2	340.6	342.8	341.7
1194.0	17.5°	1182.4	1111.3	871.8	587.3	382.8	331.7	330.0	335.0	338.4	336.7
1230.2	20°	1214.0	1117.9	806.2	471.7	328.9	320.6	324.5	328.9	331.7	328.9
1278.5	22.5°	1258.5	1129.6	734.5	378.9	311.7	313.9	317.3	322.3	325.0	321.2
1340.2	25°	1312.9	1147.9	664.0	329.5	303.4	306.2	311.2	316.7	320.0	316.2
1418.0	27.5°	1383.5	1177.4	599.0	318.4	295.0	296.7	303.9	312.3	316.7	311.7
1528.5	30°	1485.7	1225.7	542.8	323.4	290.0	286.1	296.1	307.8	312.8	308.4
1679.1	32.5°	1621.3	1294.1	508.4	331.2	287.8	273.9	283.4	298.4	306.7	303.9
1875.8	35°	1799.1	1398.0	495.1	340.0	286.1	261.1	267.8	283.9	298.4	301.2
2123.6	37.5°	2014.7	1542.4	499.0	343.9	281.1	250.6	253.9	267.8	286.7	295.6
2402.5	40°	2259.7	1710.8	521.2	340.0	275.6	241.7	242.3	252.8	269.5	282.8
2702.6	42.5°	2512.5	1907.5	562.3	325.6	270.6	233.9	232.3	239.5	250.6	260.0
3002.1	45°	2753.1	2109.7	602.9	305.6	264.5	226.1	222.3	225.0	227.3	231.1
3293.8	47.5°	2963.2	2252.0	591.2	287.3	256.1	217.3	210.6	209.5	202.8	202.2
3554.3	50°	3108.2	2283.1	525.1	268.9	243.9	207.2	196.7	190.0	178.4	172.8
3749.4	52.5°	3154.3	2160.3	428.9	250.6	223.9	193.9	178.9	168.4	153.9	148.9
3861.6	55°	3093.2	1919.7	342.8	228.4	196.1	176.1	159.5	145.6	133.9	127.8
3873.8	57.5°	2943.7	1613.5	271.1	202.2	166.7	156.1	139.5	125.6	115.6	109.5
3738.3	60°	2695.9	1281.3	214.5	171.1	142.2	134.5	117.2	108.3	99.5	92.2
3388.2	62.5°	2319.7	914.6	168.4	135.6	118.9	110.0	100.0	93.3	82.8	72.8
2758.7	65°	1810.2	559.5	130.0	99.5	95.6	91.1	85.0	78.9	66.1	56.1
1799.7	67.5°	1141.8	265.0	92.8	75.0	75.6	73.3	70.6	65.6	56.1	47.2
806.2	70°	502.8	128.3	61.1	57.2	56.1	56.1	58.3	56.7	47.8	39.4
280.0	72.5°	171.1	68.9	45.6	43.3	40.6	40.0	48.9	47.2	38.3	30.6
139.5	75°	89.5	46.1	33.3	31.1	24.4	29.4	38.9	36.7	27.2	20.0
92.2	77.5°	58.3	32.8	22.8	20.0	13.9	19.4	28.9	25.6	16.1	10.0
60.6	80°	36.7	21.7	13.3	9.4	6.7	10.6	15.6	11.1	6.1	2.2
35.6	82.5°	19.4	11.1	5.0	3.3	2.8	3.3	3.9	2.8	1.1	0.0
18.3	85°	7.8	3.9	1.7	1.1	0.6	0.0	1.1	0.6	0.0	0.0
3.3	87.5°	2.8	0.6	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°
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1099.0
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