

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: P846827

Luminaire Tested: **GLAN-SB2C-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846827
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-SB2C-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 615mA 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: 10086 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

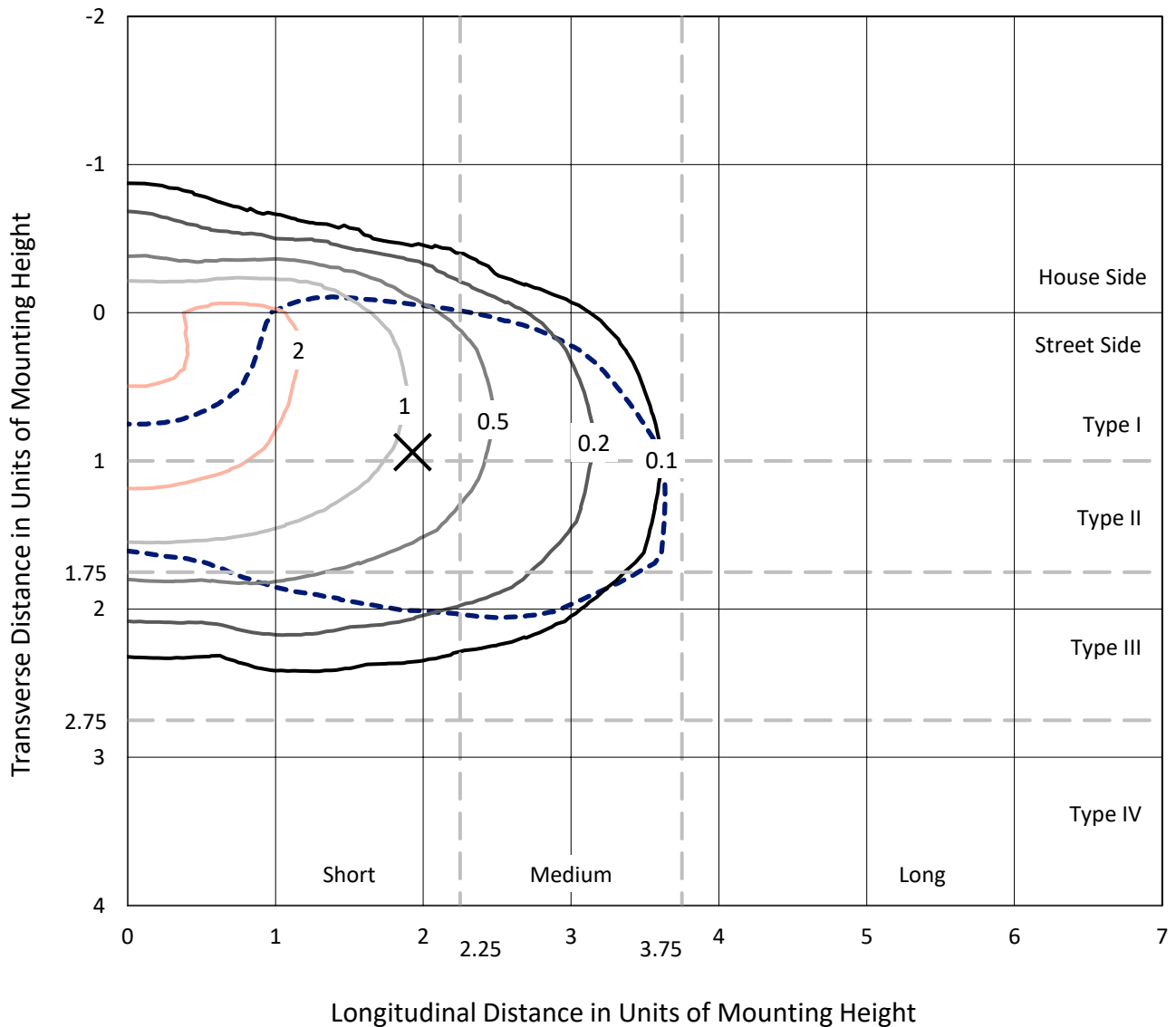
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

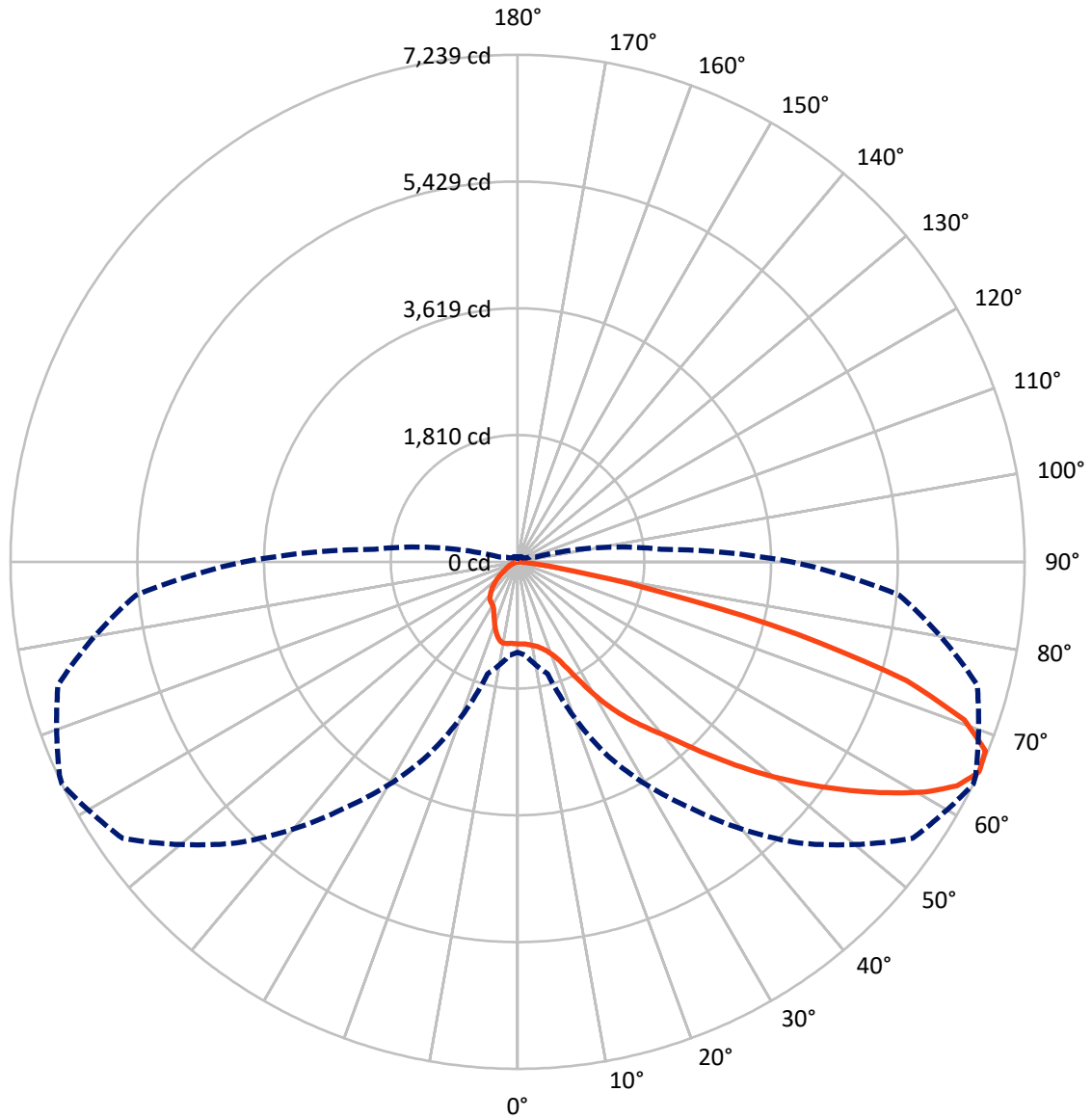
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	1348.8	0.0	1348.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8737.2	0.0	8737.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	10086.0	0.0	10086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	1.1
10°-20°	293.6	2.9
20°-30°	556.3	5.5
30°-40°	1125.6	11.2
40°-50°	1917.5	19.0
50°-60°	2607.6	25.9
60°-70°	2448.7	24.3
70°-80°	981.1	9.7
80°-90°	47.5	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°	10086.0	100.0
0°-180°	10086.0	100.0

Coefficient of Utilization



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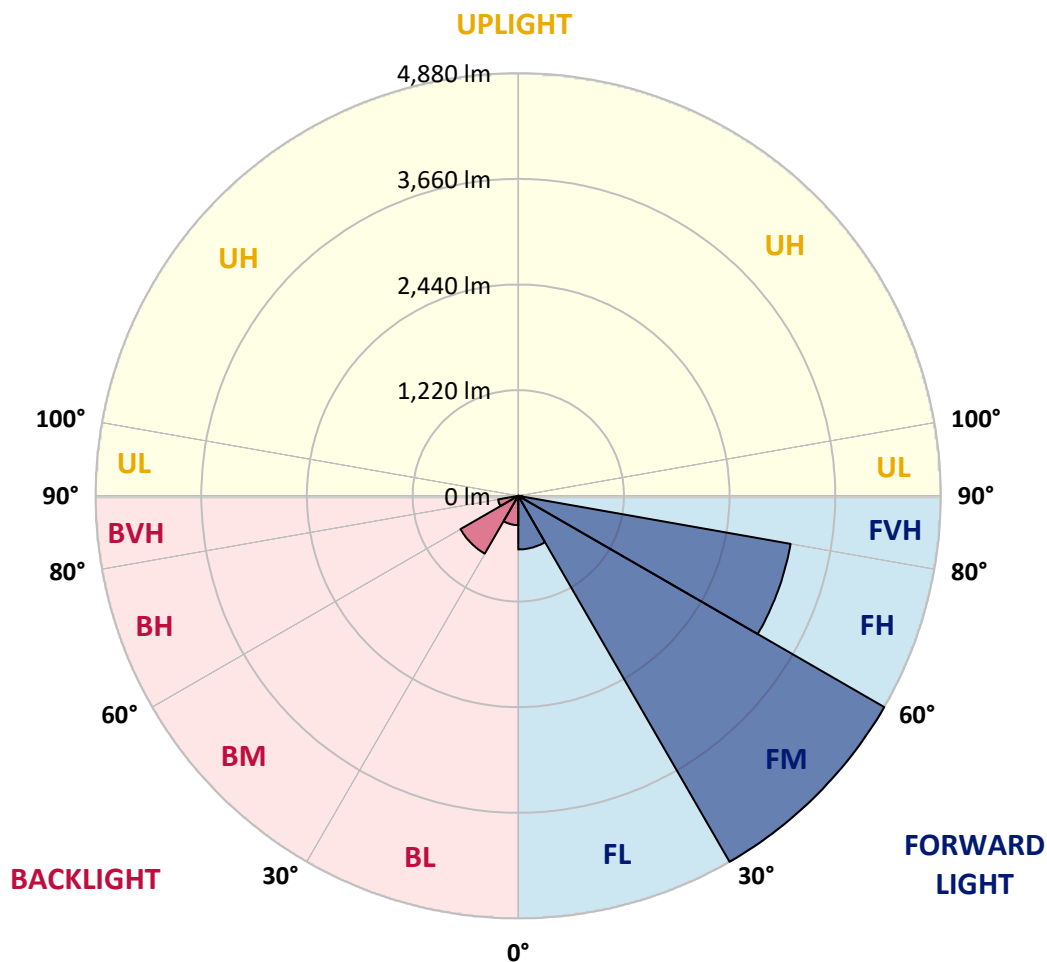
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.4	6.1			
FM (30°-60°)	4879.6	48.4			
FH (60°-80°)	3193.0	31.7			G2/5000
FVH (80°-90°)	45.2	0.4			G1/100
BL (0°-30°)	338.6	3.4	B1/500		
BM (30°-60°)	771.1	7.6	B1/1000		
BH (60°-80°)	236.7	2.3	B1/500		G1/500
BVH (80°-90°)	2.3	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°	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1
2.5°	1169.0	1177.2	1175.1	1173.1	1172.4	1173.8	1174.5	1173.8	1173.8	1173.8
5°	1146.7	1153.5	1153.5	1158.2	1165.0	1173.1	1179.2	1180.5	1181.9	1183.9
7.5°	1104.1	1109.5	1113.6	1129.2	1146.1	1167.7	1186.0	1195.4	1196.8	1204.2
10°	1075.1	1081.8	1088.6	1104.8	1129.2	1161.6	1192.7	1215.7	1219.1	1236.7
12.5°	1073.7	1080.5	1089.3	1106.8	1135.2	1169.7	1207.6	1240.7	1246.8	1272.5
15°	1087.9	1096.0	1104.1	1125.8	1156.2	1198.1	1238.7	1279.9	1286.0	1322.5
17.5°	1117.0	1127.8	1133.9	1155.5	1188.0	1234.6	1288.1	1335.4	1340.8	1383.4
20°	1174.5	1187.3	1189.3	1206.9	1238.7	1288.7	1352.3	1411.1	1417.9	1466.6
22.5°	1293.5	1311.7	1295.5	1304.3	1332.7	1382.7	1451.7	1526.1	1535.5	1591.0
25°	1503.1	1528.8	1486.8	1472.0	1484.1	1536.2	1622.7	1716.7	1727.5	1772.2
27.5°	1914.8	1881.7	1818.1	1755.9	1719.4	1749.2	1846.5	1962.8	1976.4	2019.6
30°	2367.2	2338.1	2252.2	2114.3	2027.8	2023.0	2112.9	2242.8	2258.3	2299.6
32.5°	2820.2	2792.5	2699.2	2529.4	2379.3	2305.0	2367.2	2511.2	2519.3	2545.7
35°	3265.8	3237.4	3144.1	2970.3	2785.7	2616.7	2604.5	2766.8	2769.5	2797.2
37.5°	3714.0	3690.4	3591.0	3420.6	3238.7	3005.5	2892.5	3008.8	3012.2	3039.3
40°	4033.9	4044.0	3975.7	3843.9	3687.7	3432.8	3215.7	3266.4	3246.2	3291.5
42.5°	4308.4	4328.7	4269.2	4202.9	4112.3	3887.8	3616.0	3607.2	3574.8	3599.1
45°	4545.7	4562.6	4509.2	4493.6	4491.6	4334.1	4053.5	4000.7	3955.4	3950.7
47.5°	4632.9	4665.4	4688.4	4740.4	4841.9	4775.6	4505.8	4424.0	4373.3	4336.1
50°	4666.1	4700.5	4779.0	4930.4	5170.5	5198.9	4956.1	4864.2	4802.0	4734.3
52.5°	4621.4	4683.0	4788.4	5043.3	5391.6	5538.3	5388.2	5307.7	5236.7	5126.5
55°	4358.4	4419.9	4635.6	5042.0	5501.8	5776.3	5796.6	5760.7	5680.9	5507.2
57.5°	3804.0	3895.3	4236.7	4870.3	5499.7	5981.2	6196.8	6222.5	6133.3	5884.5
60°	3035.9	3159.6	3576.1	4489.6	5330.0	6092.0	6547.8	6676.2	6581.6	6256.3
62.5°	2118.4	2261.7	2655.9	3893.2	4941.9	6012.3	6804.0	7041.3	6969.7	6589.0
65°	1292.1	1338.1	1655.9	3063.6	4282.0	5678.2	6883.1	7238.8	7215.1	6792.5
67.5°	860.7	899.3	990.5	2100.8	3323.9	5010.9	6693.8	7204.3	7211.1	6759.4
70°	518.6	551.7	611.2	1221.8	2154.2	3966.2	6107.6	6764.8	6804.0	6316.5
72.5°	213.7	236.0	290.1	553.8	1115.6	2517.3	4863.5	5808.1	5899.3	5311.1
75°	121.0	132.5	170.4	277.9	484.1	1173.1	2946.0	4123.1	4257.7	3660.6
77.5°	80.5	85.9	110.2	179.9	272.5	400.3	1259.0	2148.1	2405.0	1999.4
80°	54.1	58.8	75.7	120.4	177.1	171.7	401.0	795.8	979.1	687.0
82.5°	36.5	37.2	54.1	79.1	112.2	83.2	118.3	247.5	311.0	198.8
85°	21.0	20.3	39.9	46.0	50.0	34.5	35.8	74.4	97.4	83.8
87.5°	2.7	4.1	15.6	12.2	6.8	7.4	7.4	12.8	18.9	20.3
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°
1173.1	0°	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1
1174.5	2.5°	1174.5	1173.8	1171.8	1169.7	1165.0	1162.3	1163.6	1162.3	1161.6	1162.3
1183.2	5°	1183.2	1181.2	1175.8	1169.0	1159.6	1148.1	1140.7	1129.8	1119.7	1113.6
1206.9	7.5°	1206.9	1204.9	1197.4	1178.5	1148.1	1100.1	1056.1	1017.6	988.5	971.6
1244.8	10°	1244.8	1241.4	1229.9	1188.0	1108.2	1003.4	916.2	843.8	796.5	774.2
1289.4	12.5°	1289.4	1285.3	1265.1	1179.2	1032.5	868.8	748.5	668.0	624.1	604.5
1340.8	15°	1342.1	1336.7	1296.8	1137.3	922.3	720.1	609.9	549.7	521.3	503.7
1406.4	17.5°	1407.7	1398.3	1320.5	1074.4	802.6	606.5	524.7	479.4	454.4	437.5
1492.2	20°	1492.9	1477.4	1339.4	999.3	692.4	534.8	467.2	429.4	410.4	395.5
1614.0	22.5°	1611.9	1589.6	1362.4	918.2	614.6	485.5	424.6	396.9	381.3	364.4
1783.7	25°	1759.3	1733.0	1390.8	843.1	561.2	442.9	393.5	370.5	352.3	332.7
2006.1	27.5°	1965.5	1918.2	1424.6	781.6	515.2	406.4	365.1	339.4	318.5	302.2
2258.3	30°	2195.4	2117.7	1454.4	744.4	473.3	372.6	327.9	302.2	282.6	271.1
2484.8	32.5°	2413.2	2307.7	1474.0	728.2	435.4	334.0	287.4	259.6	244.8	241.4
2706.6	35°	2618.7	2479.4	1472.0	712.7	401.6	295.5	247.5	219.1	207.6	209.6
2945.3	37.5°	2855.3	2662.6	1457.8	688.3	373.9	260.3	213.0	188.0	177.8	178.5
3235.3	40°	3130.5	2874.3	1449.0	642.3	343.5	227.9	184.6	164.3	156.9	154.2
3541.0	42.5°	3424.0	3079.2	1450.3	590.3	305.6	198.8	165.0	148.1	141.3	139.3
3881.1	45°	3718.8	3274.6	1452.4	536.2	265.7	176.5	150.8	136.6	132.5	129.8
4225.9	47.5°	3996.0	3440.9	1414.5	478.0	226.5	159.6	139.3	129.8	126.4	123.1
4572.1	50°	4254.3	3551.8	1323.2	410.4	195.4	146.0	130.5	123.7	120.4	117.0
4885.8	52.5°	4455.1	3569.4	1172.4	340.8	173.8	135.9	125.1	119.0	114.9	111.6
5139.4	55°	4544.4	3459.1	958.1	275.9	156.9	127.1	119.7	113.6	108.9	105.5
5338.8	57.5°	4521.4	3227.2	747.1	221.8	140.6	118.3	112.9	108.9	103.4	98.0
5500.4	60°	4408.4	2916.9	563.2	184.6	125.8	108.9	105.5	102.1	94.7	86.5
5562.6	62.5°	4213.0	2526.7	401.6	152.8	109.5	98.0	96.7	94.0	83.2	68.3
5470.7	65°	3914.2	2052.8	270.5	127.1	94.0	85.9	86.5	81.8	67.6	50.7
5133.9	67.5°	3477.4	1501.0	173.1	104.1	78.4	71.7	72.3	69.6	57.5	43.3
4495.7	70°	2920.9	993.9	112.9	79.1	62.9	55.4	59.5	60.2	48.7	35.2
3450.4	72.5°	2141.3	586.9	79.1	58.8	46.0	38.5	48.7	50.0	39.2	26.4
2075.8	75°	1220.4	278.6	59.5	42.6	28.4	27.0	37.9	37.9	27.0	17.6
898.6	77.5°	512.5	116.3	41.9	27.7	16.2	15.6	25.7	23.7	13.5	8.1
219.1	80°	148.1	52.1	22.3	13.5	6.8	6.1	10.1	7.4	3.4	1.4
83.2	82.5°	58.1	23.0	8.8	5.4	2.7	2.7	1.4	0.0	0.0	0.0
47.3	85°	34.5	9.5	4.1	2.0	0.7	0.0	0.0	0.0	0.0	0.0
10.1	87.5°	8.8	2.0	1.4	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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1173.1
1165.0
1115.0
972.3
772.2
602.4
504.4
436.1
392.8
361.7
330.6
298.9
269.1
243.4
209.6
181.2
153.5
138.6
129.8
123.1
117.0
110.9
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