

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: P845872

Luminaire Tested: **GLAN-SB1B-727-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-727-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3497 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

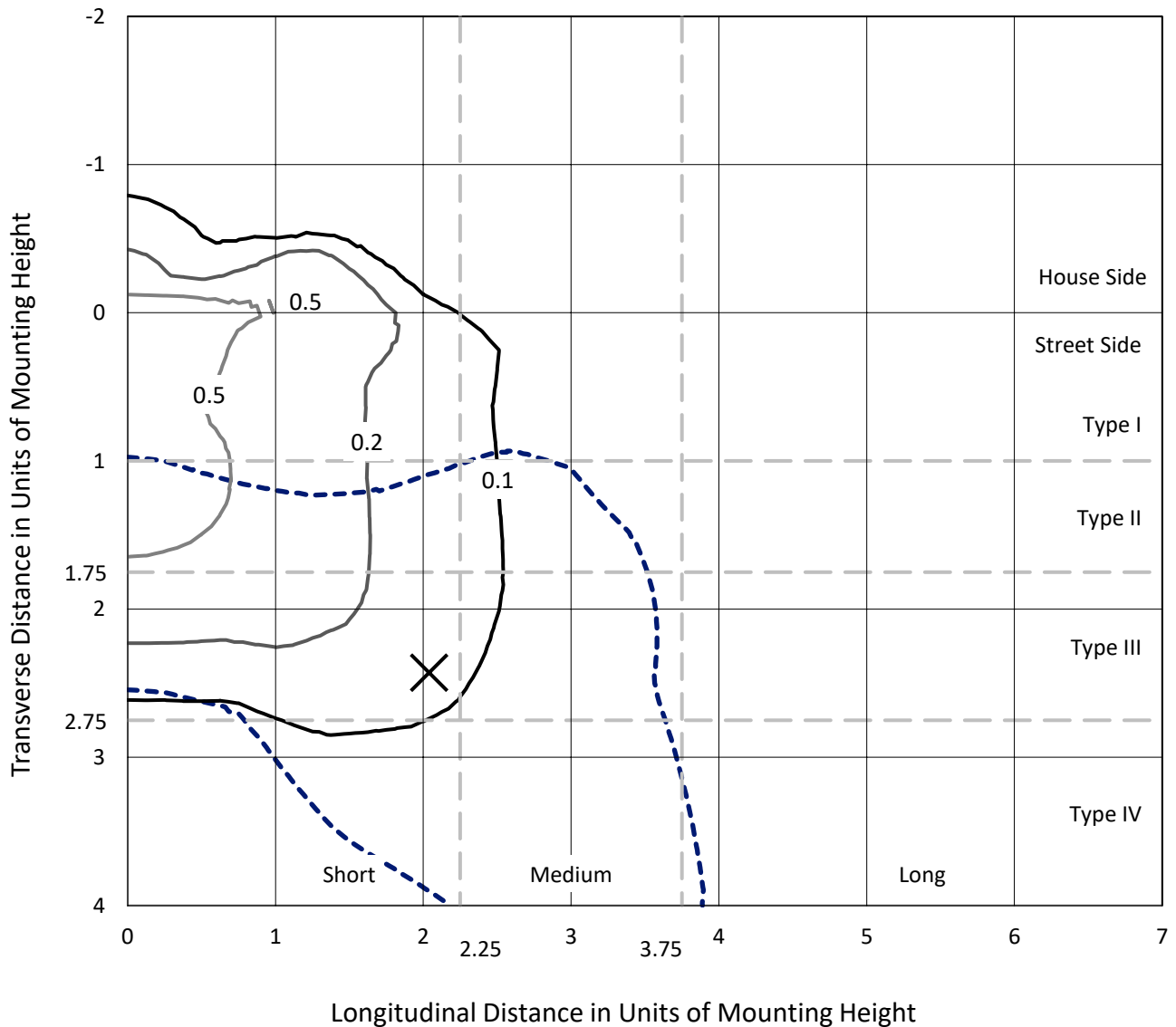
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

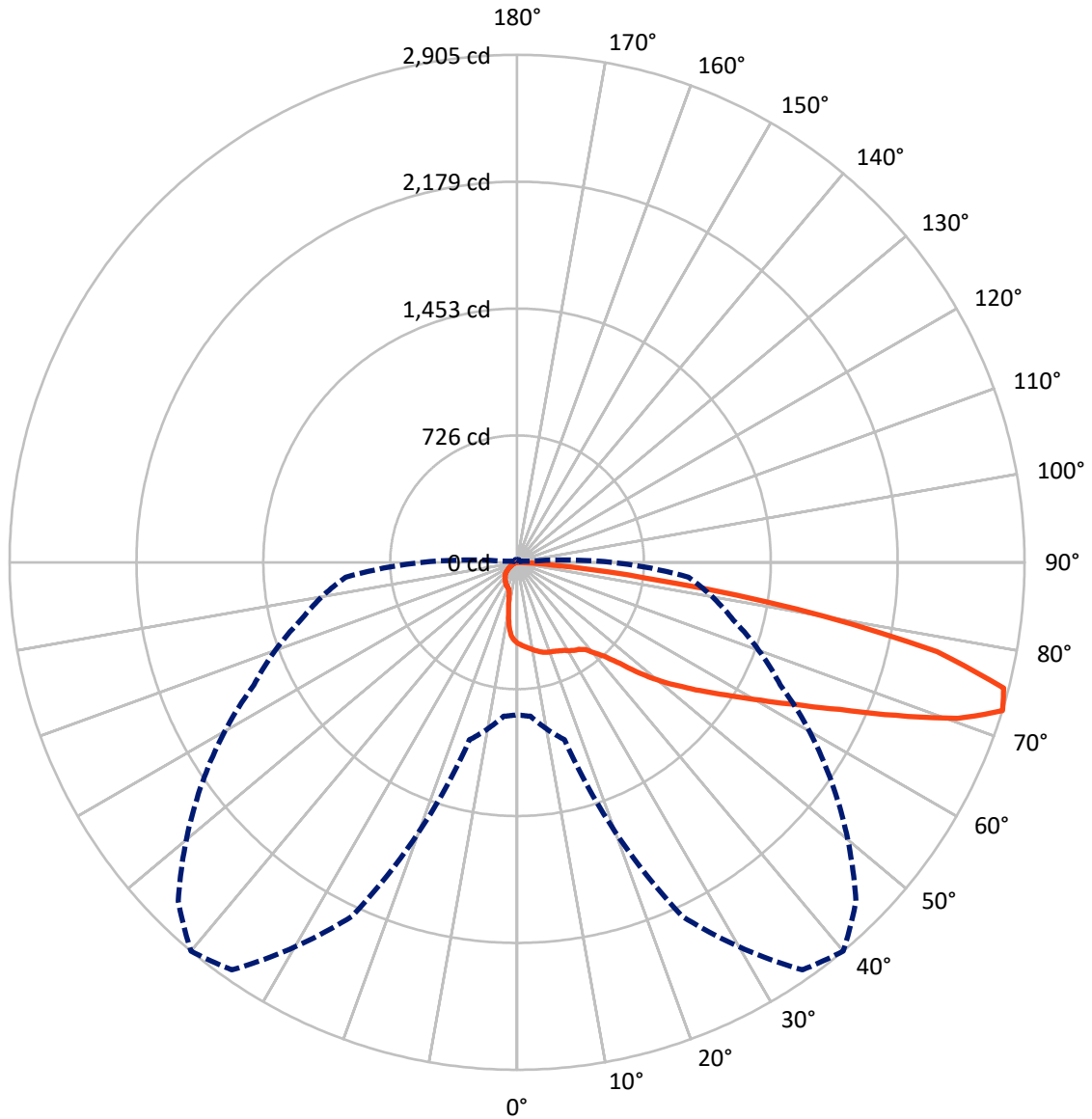
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	451.6	0.0	451.6
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	3045.4	0.0	3045.4
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	3497.0	0.0	3497.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.3	1.2
10°-20°	114.8	3.3
20°-30°	185.8	5.3
30°-40°	274.3	7.8
40°-50°	461.7	13.2
50°-60°	716.9	20.5
60°-70°	897.0	25.7
70°-80°	734.4	21.0
80°-90°	69.6	2.0
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°	3497.0	100.0
0°-180°	3497.0	100.0

**Coefficient of Utilization**



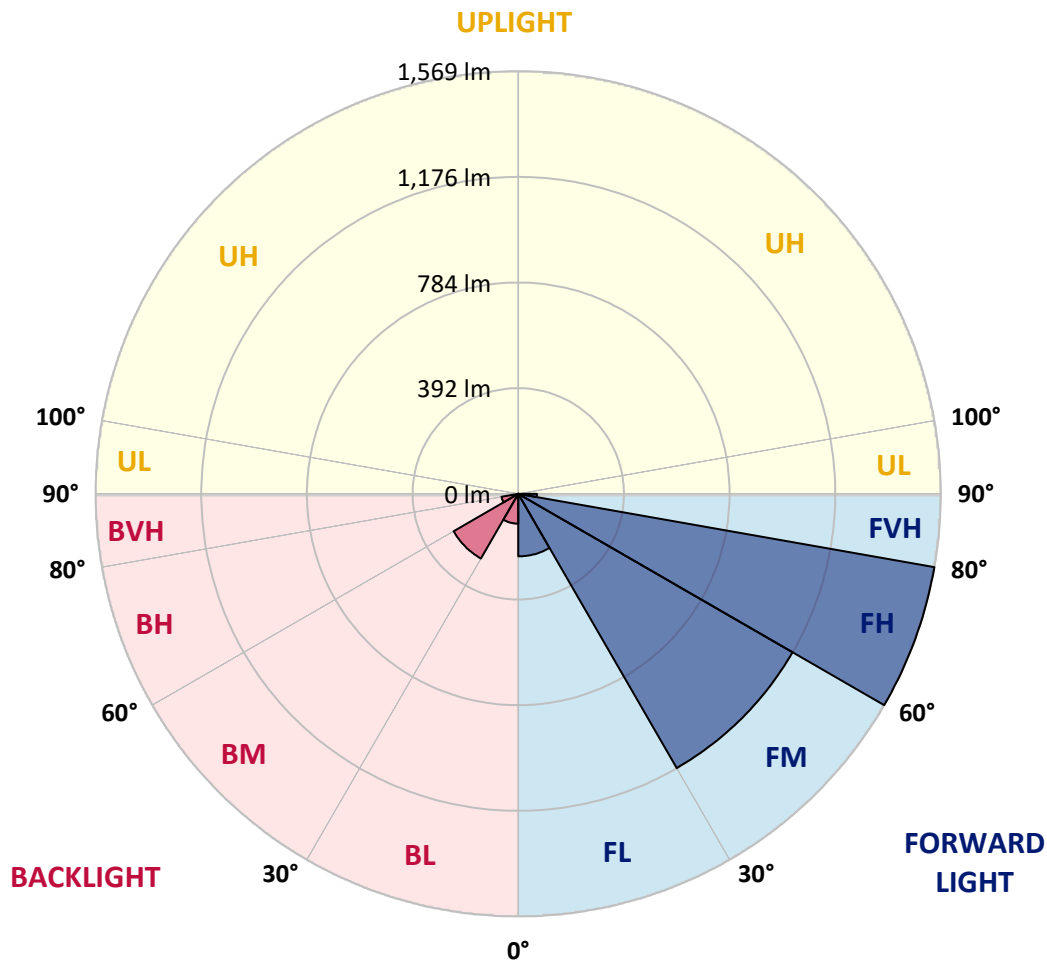
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.1	6.6			
FM (30°-60°)	1175.6	33.6			
FH (60°-80°)	1568.6	44.9			G1/1800
FVH (80°-90°)	69.1	2.0			G1/100
BL (0°-30°)	110.8	3.2	B1/500		
BM (30°-60°)	277.3	7.9	B1/1000		
BH (60°-80°)	62.9	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0
2.5°	477.0	478.8	477.8	475.7	475.1	474.1	472.8	472.2	470.4	468.8
5°	490.4	492.3	490.9	488.1	486.7	485.4	483.6	482.0	478.3	474.9
7.5°	505.2	506.8	505.2	501.0	498.9	497.3	494.6	492.3	488.1	483.0
10°	521.5	522.8	520.4	514.9	511.5	509.1	506.8	504.1	500.2	494.6
12.5°	536.8	538.4	534.7	528.1	524.1	521.8	519.1	517.0	513.1	507.8
15°	550.7	553.1	546.8	539.7	535.2	533.4	530.7	529.4	526.8	523.1
17.5°	561.3	562.9	556.3	547.8	542.8	541.5	539.7	540.5	539.9	538.1
20°	570.2	571.3	562.6	552.3	546.8	547.1	546.5	549.2	550.2	550.2
22.5°	581.3	581.6	570.5	557.6	551.0	552.8	553.6	556.5	558.6	560.7
25°	595.8	595.3	582.1	564.4	558.6	561.3	563.1	564.2	566.5	570.0
27.5°	617.4	615.8	598.9	575.5	568.6	571.0	574.4	573.9	572.9	575.5
30°	644.8	642.7	620.3	591.0	584.7	586.8	587.9	583.1	575.5	577.9
32.5°	688.2	684.5	653.5	608.4	598.7	601.0	599.7	590.0	578.7	581.0
35°	763.8	754.9	710.9	644.8	614.5	611.8	608.7	599.2	585.2	582.9
37.5°	924.5	908.7	833.6	715.6	650.3	633.2	623.4	614.0	592.4	582.9
40°	1105.7	1089.6	1003.0	834.1	709.8	680.9	657.7	631.3	599.7	586.3
42.5°	1294.8	1277.2	1188.1	981.1	794.9	735.4	692.2	645.3	611.8	596.8
45°	1506.0	1483.9	1367.5	1134.4	918.4	826.0	747.8	674.0	632.9	615.5
47.5°	1728.9	1700.2	1546.3	1283.2	1051.4	951.3	849.4	725.4	664.0	643.5
50°	1926.4	1898.0	1731.0	1438.9	1175.8	1070.7	965.3	796.5	710.6	683.0
52.5°	2068.4	2046.8	1899.0	1599.5	1305.1	1182.6	1070.4	879.2	769.6	733.5
55°	2163.4	2143.7	2018.1	1751.8	1455.5	1305.9	1173.9	969.0	840.7	794.1
57.5°	2221.1	2209.8	2104.2	1887.7	1604.5	1440.7	1292.4	1067.8	924.5	865.5
60°	2241.7	2232.5	2157.7	2017.3	1784.7	1602.7	1431.8	1179.2	1026.1	946.6
62.5°	2186.9	2188.7	2196.1	2170.8	1974.6	1792.3	1598.7	1313.0	1138.9	1038.5
65°	1929.0	1944.3	2084.4	2341.0	2226.1	2029.9	1811.3	1476.3	1267.9	1143.1
67.5°	1597.2	1619.3	1793.7	2440.5	2494.3	2338.3	2107.3	1684.3	1421.8	1249.5
70°	1222.6	1246.3	1457.6	2419.7	2745.3	2675.5	2473.5	1949.1	1581.1	1323.2
72.5°	872.6	884.7	1051.2	2234.6	2848.2	2905.1	2743.2	2199.8	1662.5	1282.4
75°	613.2	611.1	721.4	1799.4	2687.8	2877.2	2648.6	2064.1	1504.5	1018.8
77.5°	267.1	267.6	360.3	1092.8	2145.3	2457.4	2201.6	1293.0	1048.8	539.9
80°	69.3	71.4	132.2	435.1	1291.6	1621.9	1342.7	568.4	484.6	131.7
82.5°	24.5	26.1	60.8	136.7	476.5	743.8	597.9	181.7	126.4	37.7
85°	7.1	8.4	32.7	41.9	98.5	210.2	145.1	35.3	31.1	19.5
87.5°	0.0	1.1	6.6	5.8	5.8	4.0	7.4	4.0	5.0	2.4
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°
463.0	0°	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0	463.0
467.0	2.5°	465.4	463.6	459.6	455.4	451.4	447.8	446.7	442.8	440.9	441.2
470.7	5°	467.8	464.3	456.7	447.5	438.0	427.2	418.3	405.6	394.8	393.5
477.8	7.5°	474.1	468.6	456.2	438.3	414.6	384.8	357.2	329.8	314.2	305.8
488.3	10°	483.8	476.5	457.5	423.3	373.0	319.7	277.9	243.4	225.7	217.6
501.2	12.5°	495.4	487.3	459.6	397.7	319.2	249.4	204.1	183.1	179.4	178.8
517.0	15°	511.8	502.8	462.0	363.2	261.0	189.9	169.1	169.4	172.3	173.8
534.1	17.5°	529.9	521.0	458.6	321.1	203.6	162.2	161.7	164.1	168.3	169.9
549.9	20°	548.4	539.9	446.4	271.6	164.6	154.6	156.7	159.3	163.6	165.7
565.5	22.5°	567.3	560.0	427.2	218.9	148.5	149.1	151.7	154.3	159.1	161.5
580.8	25°	587.6	581.3	401.7	175.4	141.7	143.3	146.7	149.9	154.9	157.8
593.7	27.5°	608.2	603.4	372.7	146.4	135.4	137.2	141.2	145.4	150.4	153.8
605.0	30°	630.5	627.9	349.5	135.6	129.3	130.9	135.4	140.1	145.7	149.9
616.3	32.5°	653.5	652.9	338.2	143.5	123.8	124.8	128.8	133.5	140.4	145.7
625.8	35°	676.1	677.2	331.6	165.9	121.9	119.1	121.7	125.9	134.1	140.6
636.6	37.5°	705.1	707.7	331.3	190.2	126.4	113.3	115.1	118.0	125.1	132.7
653.5	40°	748.3	762.2	348.2	211.0	134.3	108.0	108.5	109.0	112.7	119.1
675.8	42.5°	805.7	846.5	409.0	225.2	137.5	103.2	101.4	98.5	98.0	101.4
706.4	45°	877.1	948.5	516.0	233.1	134.3	98.0	93.0	85.3	82.4	84.8
747.8	47.5°	961.1	1060.1	642.7	234.9	129.1	91.4	82.4	72.4	70.1	70.9
803.3	50°	1043.0	1143.9	754.1	219.7	120.4	83.0	70.9	62.4	60.8	61.1
868.9	52.5°	1115.4	1172.6	785.7	183.6	108.8	72.7	60.8	55.0	54.0	54.0
941.3	55°	1163.4	1141.5	700.6	140.4	94.3	62.2	52.2	49.3	48.7	48.5
1022.2	57.5°	1173.4	1040.4	529.1	101.4	73.7	52.4	46.4	44.8	43.7	42.7
1105.2	60°	1137.6	871.8	336.9	70.9	55.3	44.8	41.1	40.0	37.9	35.8
1183.1	62.5°	1060.1	658.5	186.5	49.3	44.5	38.2	36.3	35.0	31.1	27.7
1245.0	65°	956.1	437.7	82.4	38.5	36.3	32.1	31.1	29.2	24.5	20.5
1268.5	67.5°	851.5	252.1	37.1	30.8	29.2	26.3	25.5	24.2	20.8	17.1
1208.7	70°	732.2	127.7	25.5	24.5	22.7	20.0	20.8	20.5	17.1	14.0
985.9	72.5°	545.2	63.5	19.2	18.4	16.3	14.2	17.1	16.9	13.4	10.5
607.9	75°	308.7	31.3	14.0	12.9	9.7	10.5	13.7	12.9	9.2	6.8
256.5	77.5°	122.5	16.1	9.2	7.9	5.8	7.1	10.0	8.7	4.7	2.9
49.0	80°	28.2	7.9	4.7	3.4	2.6	4.2	5.3	3.2	1.3	0.3
13.2	82.5°	7.9	3.4	1.6	1.3	1.3	1.6	1.3	0.5	0.0	0.0
3.4	85°	2.6	1.6	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.1	87.5°	1.1	0.5	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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463.0
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