

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: P850797

Luminaire Tested: **GLAN-SB8C-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850797
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-SB8C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 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: 37139 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

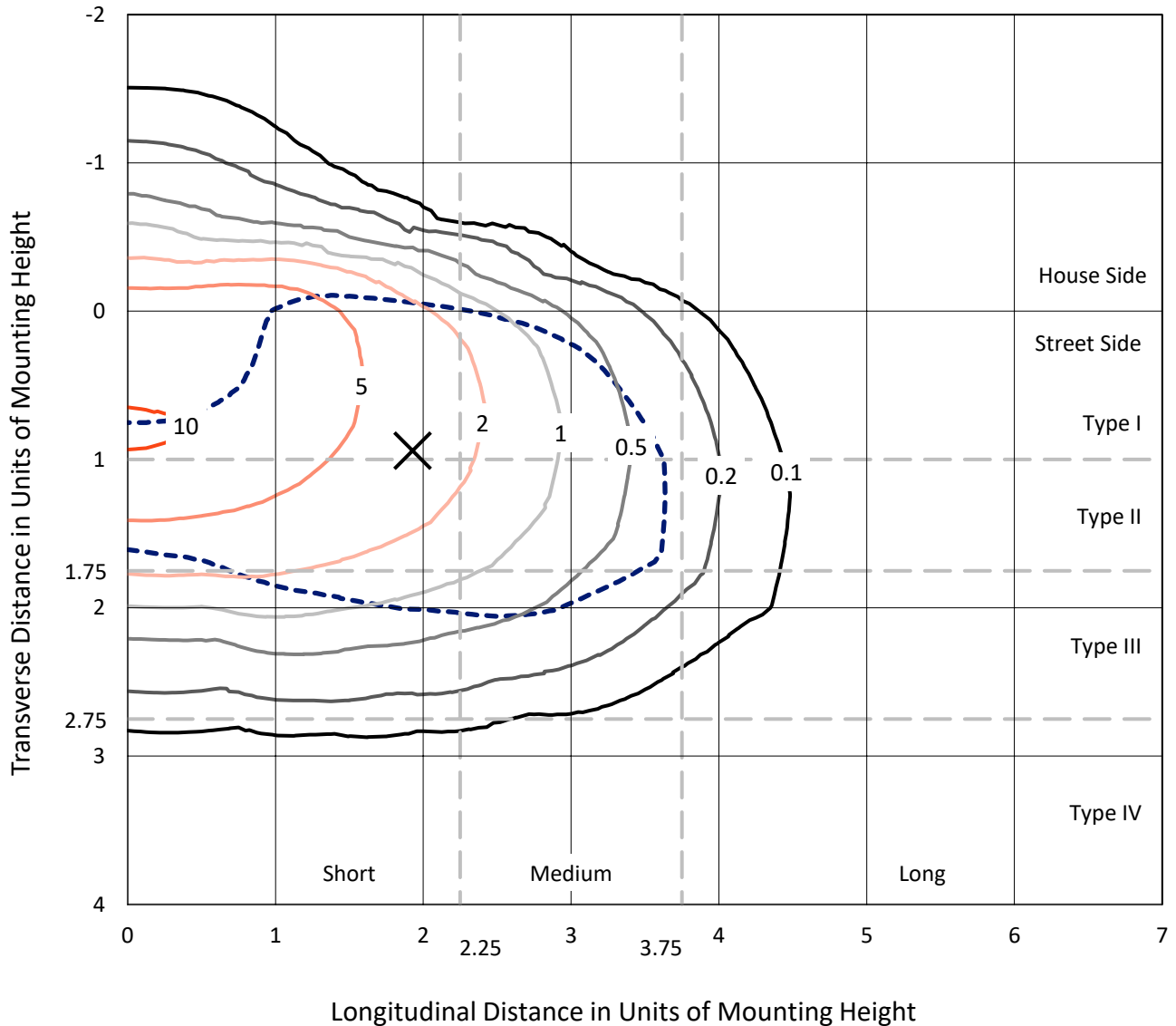
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

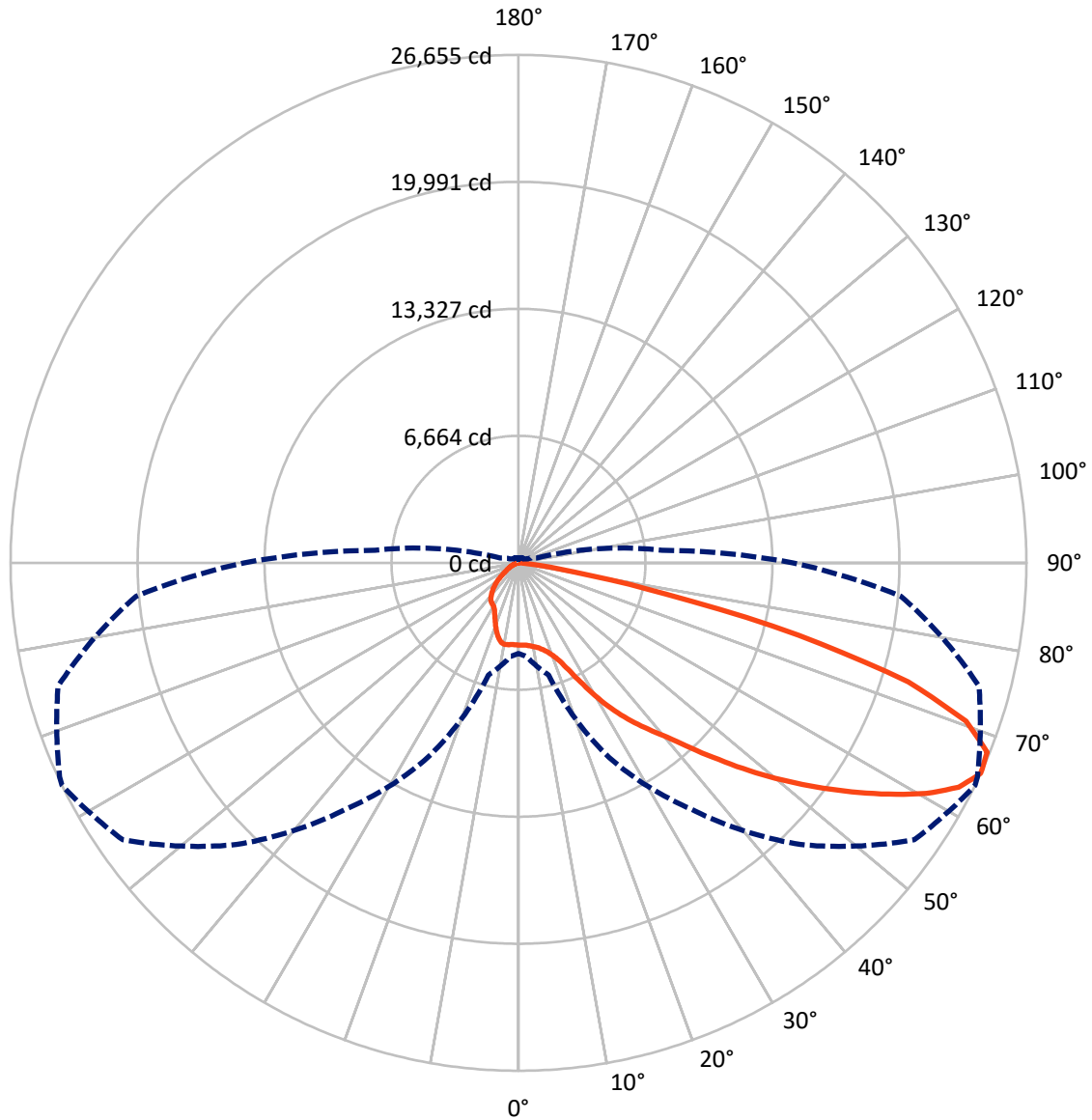
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	4966.6	0.0	4966.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	32172.4	0.0	32172.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	37139.0	0.0	37139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.5	1.1
10°-20°	1080.9	2.9
20°-30°	2048.3	5.5
30°-40°	4144.7	11.2
40°-50°	7060.6	19.0
50°-60°	9601.9	25.9
60°-70°	9016.6	24.3
70°-80°	3612.5	9.7
80°-90°	175.0	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°	37139.0	100.0
0°-180°	37139.0	100.0

Coefficient of Utilization



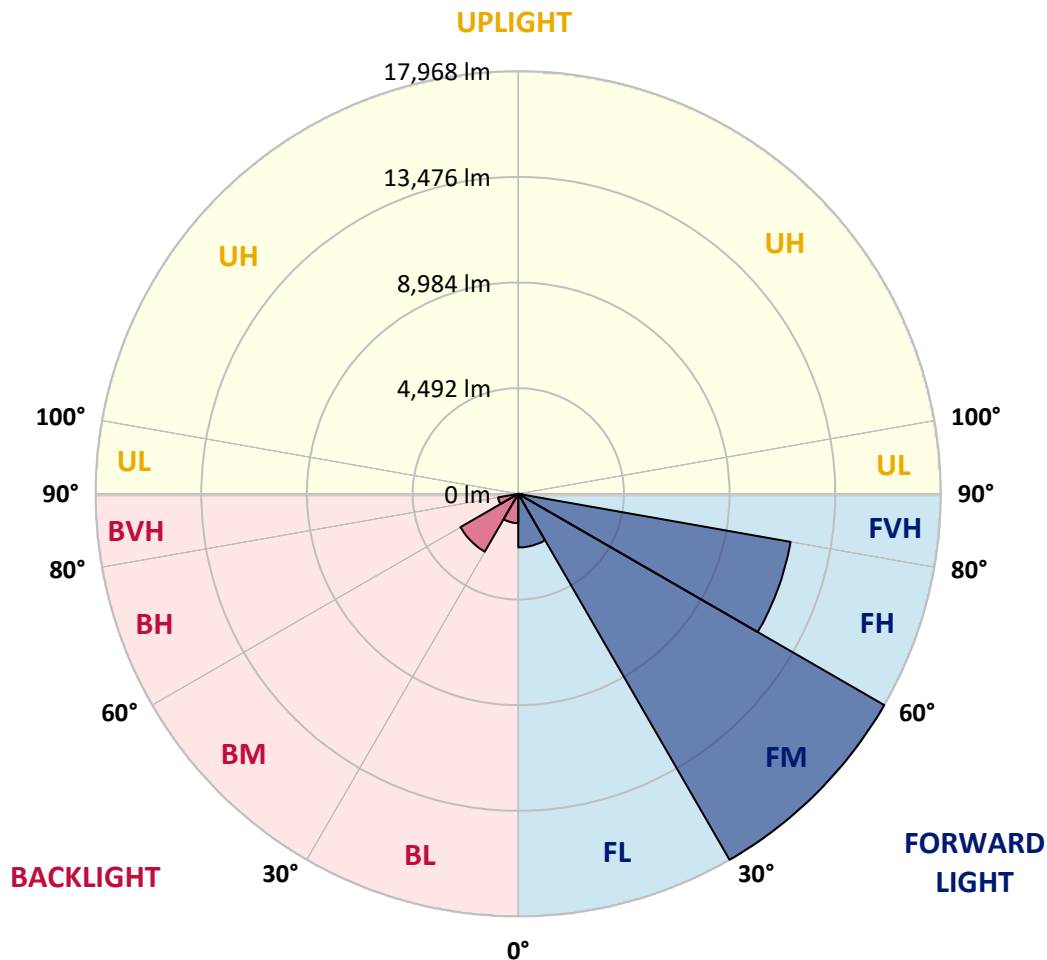
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2280.8	6.1			
FM (30°-60°)	17967.8	48.4			
FH (60°-80°)	11757.4	31.7			G4/12000
FVH (80°-90°)	166.5	0.4			G2/225
BL (0°-30°)	1247.0	3.4	B3/2500		
BM (30°-60°)	2839.4	7.6	B3/5000		
BH (60°-80°)	871.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7
2.5°	4304.7	4334.6	4327.1	4319.7	4317.2	4322.1	4324.6	4322.1	4322.1	4322.1
5°	4222.6	4247.4	4247.4	4264.9	4289.8	4319.7	4342.1	4347.0	4352.0	4359.5
7.5°	4065.7	4085.6	4100.6	4157.8	4220.1	4299.7	4367.0	4401.8	4406.8	4434.2
10°	3958.6	3983.5	4008.4	4068.2	4157.8	4277.3	4391.9	4476.5	4489.0	4553.7
12.5°	3953.7	3978.6	4010.9	4075.7	4180.2	4307.2	4446.6	4568.6	4591.0	4685.6
15°	4005.9	4035.8	4065.7	4145.4	4257.4	4411.8	4561.2	4713.0	4735.4	4869.9
17.5°	4113.0	4152.8	4175.2	4254.9	4374.4	4546.2	4742.9	4917.2	4937.1	5094.0
20°	4324.6	4371.9	4379.4	4444.1	4561.2	4745.4	4979.4	5196.0	5220.9	5400.2
22.5°	4762.8	4830.0	4770.3	4802.7	4907.2	5091.5	5345.4	5619.3	5654.1	5858.3
25°	5534.6	5629.2	5474.9	5420.1	5464.9	5656.6	5975.3	6321.4	6361.2	6525.5
27.5°	7050.9	6928.9	6694.8	6465.8	6331.3	6440.9	6799.4	7227.6	7277.4	7436.8
30°	8716.5	8609.4	8293.2	7785.3	7466.6	7449.2	7780.4	8258.4	8315.6	8467.5
32.5°	10384.6	10282.5	9938.9	9314.0	8761.3	8487.4	8716.5	9246.8	9276.7	9373.8
35°	12025.3	11920.7	11577.2	10937.3	10257.6	9635.2	9590.4	10187.9	10197.9	10299.9
37.5°	13676.0	13588.9	13222.9	12595.5	11925.7	11066.8	10651.0	11079.2	11091.7	11191.3
40°	14853.6	14891.0	14639.5	14154.0	13578.9	12640.3	11841.1	12027.8	11953.1	12119.9
42.5°	15864.4	15939.1	15720.0	15476.1	15142.4	14315.8	13315.0	13282.6	13163.1	13252.7
45°	16738.3	16800.6	16603.9	16546.6	16539.2	15959.1	14925.8	14731.6	14564.8	14547.4
47.5°	17059.5	17179.0	17263.7	17455.4	17828.8	17584.8	16591.4	16290.2	16103.5	15966.5
50°	17181.5	17308.5	17597.3	18155.0	19038.8	19143.4	18249.6	17911.0	17681.9	17433.0
52.5°	17017.2	17243.7	17632.1	18570.8	19853.0	20393.2	19840.5	19544.2	19282.8	18877.0
55°	16048.7	16275.3	17069.5	18565.8	20258.8	21269.6	21344.3	21212.4	20918.6	20278.7
57.5°	14007.1	14343.2	15600.5	17933.4	20251.3	22024.0	22818.2	22912.8	22584.2	21668.0
60°	11178.8	11634.4	13168.1	16531.7	19626.4	22432.3	24110.4	24583.4	24234.9	23037.3
62.5°	7800.3	8328.1	9779.6	14335.8	18197.3	22138.5	25054.0	25927.9	25664.0	24262.2
65°	4757.8	4927.1	6097.3	11280.9	15767.3	20908.6	25345.3	26654.9	26567.7	25011.7
67.5°	3169.4	3311.3	3647.4	7735.5	12239.4	18451.3	24648.2	26527.9	26552.8	24889.7
70°	1909.6	2031.6	2250.7	4498.9	7932.2	14604.7	22489.6	24909.6	25054.0	23258.9
72.5°	786.7	868.9	1068.1	2039.1	4108.0	9269.2	17908.5	21386.6	21722.7	19556.7
75°	445.7	488.0	627.4	1023.3	1782.6	4319.7	10847.7	15182.3	15677.7	13479.3
77.5°	296.3	316.2	405.8	662.3	1003.4	1473.9	4635.8	7909.8	8855.9	7362.1
80°	199.2	216.6	278.8	443.2	652.3	632.4	1476.4	2930.4	3605.1	2529.5
82.5°	134.4	136.9	199.2	291.3	413.3	306.2	435.7	911.2	1145.3	732.0
85°	77.2	74.7	146.9	169.3	184.2	127.0	132.0	273.9	358.5	308.7
87.5°	10.0	14.9	57.3	44.8	24.9	27.4	27.4	47.3	69.7	74.7
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°
4319.7	0°	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7	4319.7
4324.6	2.5°	4324.6	4322.1	4314.7	4307.2	4289.8	4279.8	4284.8	4279.8	4277.3	4279.8
4357.0	5°	4357.0	4349.5	4329.6	4304.7	4269.9	4227.5	4200.1	4160.3	4123.0	4100.6
4444.1	7.5°	4444.1	4436.7	4409.3	4339.6	4227.5	4050.8	3888.9	3747.0	3640.0	3577.7
4583.6	10°	4583.6	4571.1	4528.8	4374.4	4080.6	3694.7	3373.6	3107.2	2932.9	2850.7
4747.9	12.5°	4747.9	4732.9	4658.3	4342.1	3801.8	3199.3	2756.1	2459.8	2298.0	2225.8
4937.1	15°	4942.1	4922.2	4775.3	4187.7	3396.0	2651.5	2245.7	2024.1	1919.6	1854.8
5178.6	17.5°	5183.6	5148.7	4862.4	3956.2	2955.3	2233.3	1932.0	1765.2	1673.1	1610.8
5494.8	20°	5497.3	5440.0	4932.1	3679.8	2549.5	1969.4	1720.4	1581.0	1511.3	1456.5
5942.9	22.5°	5935.5	5853.3	5016.8	3381.0	2263.1	1787.6	1563.5	1461.5	1404.2	1342.0
6567.9	25°	6478.2	6381.1	5121.3	3104.7	2066.5	1630.8	1449.0	1364.4	1297.1	1224.9
7387.0	27.5°	7237.6	7063.3	5245.8	2878.1	1897.2	1496.3	1344.4	1249.8	1172.7	1112.9
8315.6	30°	8084.1	7797.8	5355.4	2741.2	1742.8	1371.8	1207.5	1112.9	1040.7	998.4
9149.7	32.5°	8885.8	8497.4	5427.6	2681.4	1603.4	1229.9	1058.1	956.0	901.3	888.8
9966.3	35°	9642.7	9129.8	5420.1	2624.2	1478.9	1088.0	911.2	806.7	764.3	771.8
10845.2	37.5°	10514.1	9804.5	5367.8	2534.5	1376.8	958.5	784.3	692.1	654.8	657.3
11913.3	40°	11527.4	10583.8	5335.5	2365.2	1264.8	839.0	679.7	605.0	577.6	567.7
13038.6	42.5°	12607.9	11338.2	5340.4	2173.5	1125.4	732.0	607.5	545.2	520.3	512.9
14291.0	45°	13693.4	12057.7	5347.9	1974.3	978.5	649.8	555.2	502.9	488.0	478.0
15560.7	47.5°	14714.2	12670.1	5208.5	1760.2	834.1	587.6	512.9	478.0	465.6	453.1
16835.4	50°	15665.3	13078.5	4872.4	1511.3	719.5	537.8	480.5	455.6	443.2	430.7
17990.7	52.5°	16404.7	13143.2	4317.2	1254.8	639.9	500.4	460.6	438.2	423.3	410.8
18924.3	55°	16733.4	12737.4	3527.9	1015.8	577.6	468.1	440.7	418.3	400.8	388.4
19658.8	57.5°	16648.7	11883.4	2751.1	816.6	517.9	435.7	415.8	400.8	380.9	361.0
20253.8	60°	16232.9	10740.6	2073.9	679.7	463.1	400.8	388.4	375.9	348.6	318.7
20482.9	62.5°	15513.4	9304.1	1478.9	562.7	403.3	361.0	356.0	346.1	306.2	251.5
20144.3	65°	14412.9	7558.8	995.9	468.1	346.1	316.2	318.7	301.3	249.0	186.7
18904.4	67.5°	12804.6	5527.2	637.4	383.4	288.8	263.9	266.4	256.4	211.6	159.3
16554.1	70°	10755.6	3659.9	415.8	291.3	231.5	204.2	219.1	221.6	179.3	129.5
12705.0	72.5°	7884.9	2161.1	291.3	216.6	169.3	141.9	179.3	184.2	144.4	97.1
7643.4	75°	4493.9	1025.8	219.1	156.9	104.6	99.6	139.4	139.4	99.6	64.7
3308.8	77.5°	1887.2	428.2	154.4	102.1	59.8	57.3	94.6	87.1	49.8	29.9
806.7	80°	545.2	191.7	82.2	49.8	24.9	22.4	37.3	27.4	12.4	5.0
306.2	82.5°	214.1	84.7	32.4	19.9	10.0	10.0	5.0	0.0	0.0	0.0
174.3	85°	127.0	34.9	14.9	7.5	2.5	0.0	0.0	0.0	0.0	0.0
37.3	87.5°	32.4	7.5	5.0	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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4319.7
4289.8
4105.5
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1446.5
1332.0
1217.5
1100.5
990.9
896.3
771.8
667.2
565.2
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453.1
430.7
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