

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: P851407

Luminaire Tested: **GLAN-SB9B-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851407
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-SB9B-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 450mA 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: 35773 lumens
Efficiency: N/A
Efficacy: 108.6 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

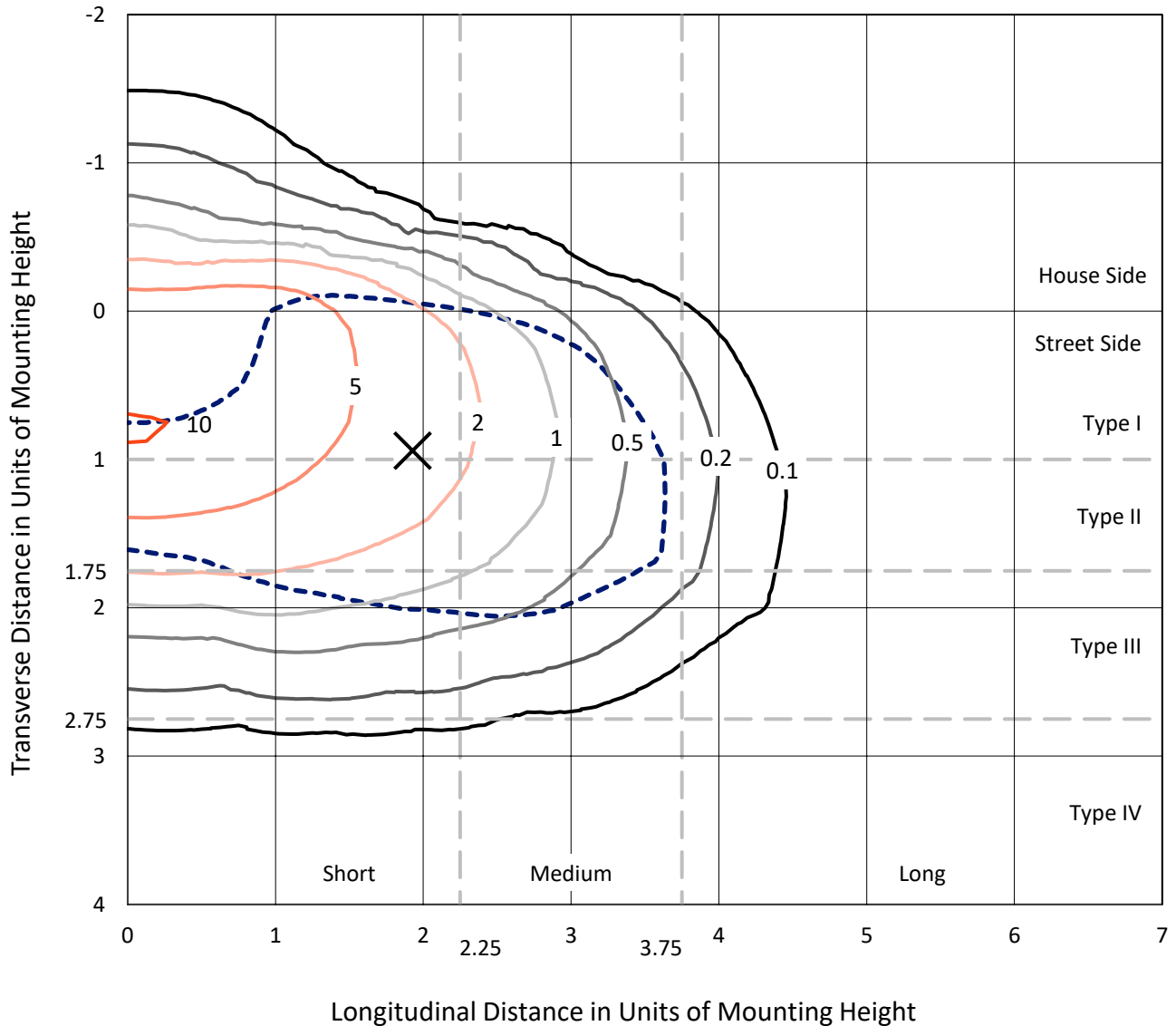
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

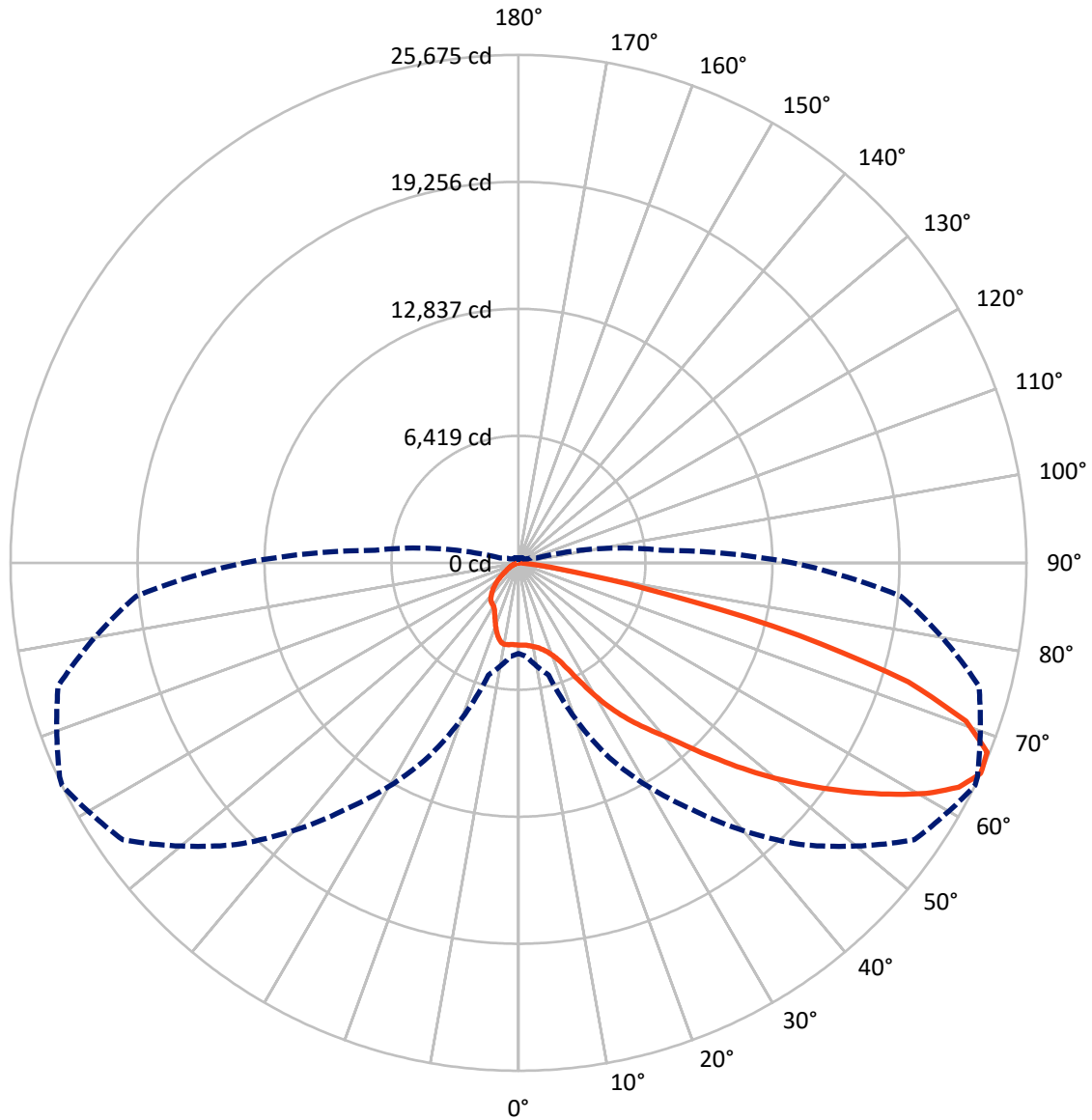
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	4783.9	0.0	4783.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	30989.1	0.0	30989.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	35773.0	0.0	35773.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.9	1.1
10°-20°	1041.2	2.9
20°-30°	1972.9	5.5
30°-40°	3992.3	11.2
40°-50°	6800.9	19.0
50°-60°	9248.7	25.9
60°-70°	8685.0	24.3
70°-80°	3479.6	9.7
80°-90°	168.6	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°	35773.0	100.0
0°-180°	35773.0	100.0

Coefficient of Utilization



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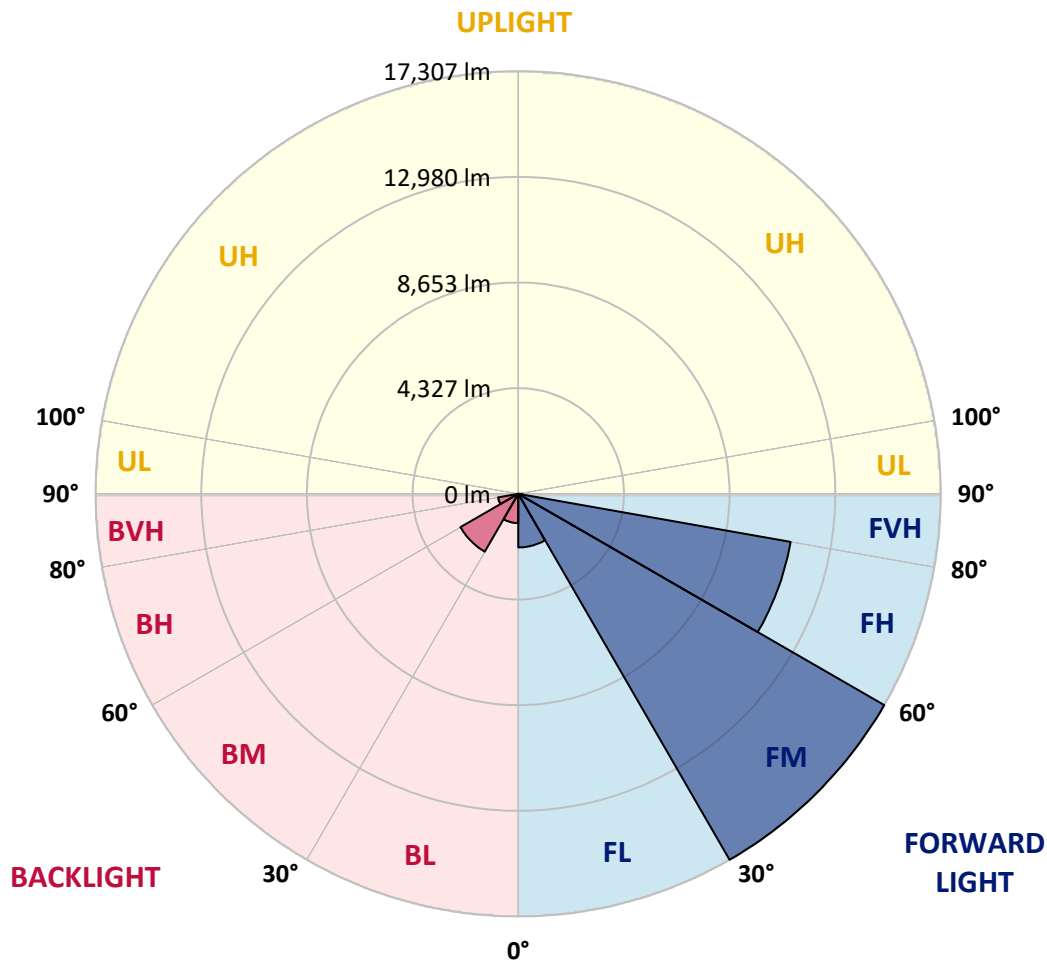
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2196.9	6.1			
FM (30°-60°)	17306.9	48.4			
FH (60°-80°)	11324.9	31.7			G4/12000
FVH (80°-90°)	160.3	0.4			G2/225
BL (0°-30°)	1201.1	3.4	B3/2500		
BM (30°-60°)	2734.9	7.6	B3/5000		
BH (60°-80°)	839.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.2	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°	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8
2.5°	4146.4	4175.2	4168.0	4160.8	4158.4	4163.2	4165.6	4163.2	4163.2	4163.2
5°	4067.2	4091.2	4091.2	4108.0	4132.0	4160.8	4182.4	4187.2	4191.9	4199.1
7.5°	3916.2	3935.3	3949.7	4004.9	4064.8	4141.6	4206.3	4239.9	4244.7	4271.1
10°	3813.0	3837.0	3861.0	3918.6	4004.9	4120.0	4230.3	4311.9	4323.8	4386.2
12.5°	3808.2	3832.2	3863.4	3925.8	4026.5	4148.8	4283.1	4400.6	4422.2	4513.3
15°	3858.6	3887.4	3916.2	3992.9	4100.8	4249.5	4393.4	4539.7	4561.3	4690.8
17.5°	3961.7	4000.1	4021.7	4098.4	4213.5	4379.0	4568.5	4736.3	4755.5	4906.6
20°	4165.6	4211.1	4218.3	4280.7	4393.4	4570.9	4796.3	5004.9	5028.9	5201.6
22.5°	4587.6	4652.4	4594.8	4626.0	4726.7	4904.2	5148.8	5412.6	5446.2	5642.8
25°	5331.1	5422.2	5273.5	5220.7	5263.9	5448.6	5755.5	6088.9	6127.2	6285.5
27.5°	6791.5	6674.0	6448.6	6228.0	6098.5	6204.0	6549.3	6961.8	7009.8	7163.2
30°	8395.9	8292.8	7988.2	7499.0	7192.0	7175.2	7494.2	7954.6	8009.8	8156.1
32.5°	10002.6	9904.3	9573.4	8971.4	8439.1	8175.3	8395.9	8906.7	8935.5	9029.0
35°	11583.0	11482.3	11151.3	10535.0	9880.3	9280.8	9237.6	9813.2	9822.8	9921.1
37.5°	13173.0	13089.0	12736.5	12132.2	11487.1	10659.7	10259.2	10671.7	10683.7	10779.6
40°	14307.3	14343.3	14101.1	13633.4	13079.5	12175.4	11405.5	11585.4	11513.5	11674.1
42.5°	15280.9	15352.9	15141.9	14906.8	14585.5	13789.3	12825.2	12794.1	12679.0	12765.3
45°	16122.7	16182.6	15993.2	15938.0	15930.8	15372.1	14376.8	14189.8	14029.1	14012.3
47.5°	16432.0	16547.2	16628.7	16813.4	17173.1	16938.1	15981.2	15691.0	15511.2	15379.3
50°	16549.6	16671.9	16950.0	17487.2	18338.6	18439.3	17578.4	17252.2	17031.6	16791.8
52.5°	16391.3	16609.5	16983.6	17887.7	19122.8	19643.2	19110.8	18825.4	18573.6	18182.7
55°	15458.4	15676.6	16441.6	17882.9	19513.7	20487.3	20559.2	20432.1	20149.2	19532.8
57.5°	13491.9	13815.7	15026.7	17273.8	19506.5	21213.9	21978.9	22070.1	21753.5	20871.0
60°	10767.6	11206.5	12683.8	15923.6	18904.5	21607.2	23223.6	23679.2	23343.5	22190.0
62.5°	7513.4	8021.8	9419.9	13808.5	17528.0	21324.3	24132.5	24974.2	24720.0	23369.9
65°	4582.8	4745.9	5873.0	10866.0	15187.4	20139.6	24413.1	25674.5	25590.5	24091.7
67.5°	3052.8	3189.5	3513.3	7451.0	11789.3	17772.6	23741.6	25552.2	25576.2	23974.2
70°	1839.4	1956.9	2167.9	4333.4	7640.5	14067.5	21662.4	23993.4	24132.5	22403.4
72.5°	757.8	837.0	1028.8	1964.1	3956.9	8928.3	17249.8	20600.0	20923.8	18837.4
75°	429.3	470.0	604.3	985.6	1717.1	4160.8	10448.7	14623.9	15101.1	12983.5
77.5°	285.4	304.6	390.9	637.9	966.5	1419.7	4465.3	7618.9	8530.2	7091.3
80°	191.9	208.6	268.6	426.9	628.3	609.1	1422.1	2822.6	3472.5	2436.5
82.5°	129.5	131.9	191.9	280.6	398.1	295.0	419.7	877.7	1103.1	705.1
85°	74.3	71.9	141.5	163.1	177.5	122.3	127.1	263.8	345.3	297.4
87.5°	9.6	14.4	55.2	43.2	24.0	26.4	26.4	45.6	67.1	71.9
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°
4160.8	0°	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8	4160.8
4165.6	2.5°	4165.6	4163.2	4156.0	4148.8	4132.0	4122.4	4127.2	4122.4	4120.0	4122.4
4196.7	5°	4196.7	4189.5	4170.4	4146.4	4112.8	4072.0	4045.7	4007.3	3971.3	3949.7
4280.7	7.5°	4280.7	4273.5	4247.1	4180.0	4072.0	3901.8	3745.9	3609.2	3506.1	3446.1
4415.0	10°	4415.0	4403.0	4362.2	4213.5	3930.6	3558.8	3249.5	2992.9	2825.0	2745.9
4573.3	12.5°	4573.3	4558.9	4486.9	4182.4	3662.0	3081.6	2654.7	2369.4	2213.5	2143.9
4755.5	15°	4760.3	4741.1	4599.6	4033.7	3271.1	2554.0	2163.1	1949.7	1849.0	1786.6
4988.1	17.5°	4992.9	4959.4	4683.6	3810.6	2846.6	2151.1	1861.0	1700.3	1611.5	1551.6
5292.7	20°	5295.1	5239.9	4750.7	3544.4	2455.7	1896.9	1657.1	1522.8	1455.7	1402.9
5724.4	22.5°	5717.2	5638.0	4832.3	3256.7	2179.9	1721.9	1506.0	1407.7	1352.6	1292.6
6326.3	25°	6240.0	6146.4	4933.0	2990.5	1990.5	1570.8	1395.7	1314.2	1249.4	1179.9
7115.3	27.5°	6971.4	6803.5	5052.9	2772.2	1827.4	1441.3	1295.0	1203.9	1129.5	1072.0
8009.8	30°	7786.8	7511.0	5158.4	2640.4	1678.7	1321.4	1163.1	1072.0	1002.4	961.7
8813.2	32.5°	8559.0	8184.8	5227.9	2582.8	1544.4	1184.7	1019.2	920.9	868.1	856.1
9599.8	35°	9288.0	8794.0	5220.7	2527.6	1424.5	1048.0	877.7	777.0	736.2	743.4
10446.3	37.5°	10127.3	9443.9	5170.4	2441.3	1326.2	923.3	755.4	666.7	630.7	633.1
11475.1	40°	11103.4	10194.5	5139.2	2278.2	1218.3	808.2	654.7	582.7	556.4	546.8
12559.1	42.5°	12144.2	10921.1	5144.0	2093.6	1084.0	705.1	585.1	525.2	501.2	494.0
13765.3	45°	13189.8	11614.2	5151.2	1901.7	942.5	625.9	534.8	484.4	470.0	460.4
14988.4	47.5°	14173.0	12204.1	5016.9	1695.5	803.4	566.0	494.0	460.4	448.5	436.5
16216.2	50°	15089.1	12597.4	4693.2	1455.7	693.1	518.0	462.8	438.9	426.9	414.9
17329.0	52.5°	15801.3	12659.8	4158.4	1208.7	616.3	482.0	443.7	422.1	407.7	395.7
18228.3	55°	16117.9	12268.9	3398.2	978.4	556.4	450.9	424.5	402.9	386.1	374.1
18935.7	57.5°	16036.4	11446.3	2649.9	786.6	498.8	419.7	400.5	386.1	366.9	347.7
19508.9	60°	15635.9	10345.6	1997.6	654.7	446.1	386.1	374.1	362.1	335.7	307.0
19729.5	62.5°	14942.8	8961.8	1424.5	542.0	388.5	347.7	342.9	333.3	295.0	242.2
19403.3	65°	13882.8	7280.8	959.3	450.9	333.3	304.6	307.0	290.2	239.8	179.9
18209.1	67.5°	12333.6	5323.9	613.9	369.3	278.2	254.2	256.6	247.0	203.8	153.5
15945.2	70°	10360.0	3525.3	400.5	280.6	223.0	196.6	211.0	213.4	172.7	124.7
12237.7	72.5°	7594.9	2081.6	280.6	208.6	163.1	136.7	172.7	177.5	139.1	93.5
7362.3	75°	4328.6	988.0	211.0	151.1	100.7	95.9	134.3	134.3	95.9	62.4
3187.1	77.5°	1817.8	412.5	148.7	98.3	57.6	55.2	91.1	83.9	48.0	28.8
777.0	80°	525.2	184.7	79.1	48.0	24.0	21.6	36.0	26.4	12.0	4.8
295.0	82.5°	206.2	81.5	31.2	19.2	9.6	9.6	4.8	0.0	0.0	0.0
167.9	85°	122.3	33.6	14.4	7.2	2.4	0.0	0.0	0.0	0.0	0.0
36.0	87.5°	31.2	7.2	4.8	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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4160.8
4132.0
3954.5
3448.5
2738.7
2136.7
1789.0
1546.8
1393.3
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1172.7
1060.0
954.5
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743.4
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