

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: P850217

Luminaire Tested: **GLAN-SB7C-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850217
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-SB7C-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 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: 37147 lumens
Efficiency: N/A
Efficacy: 106.0 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

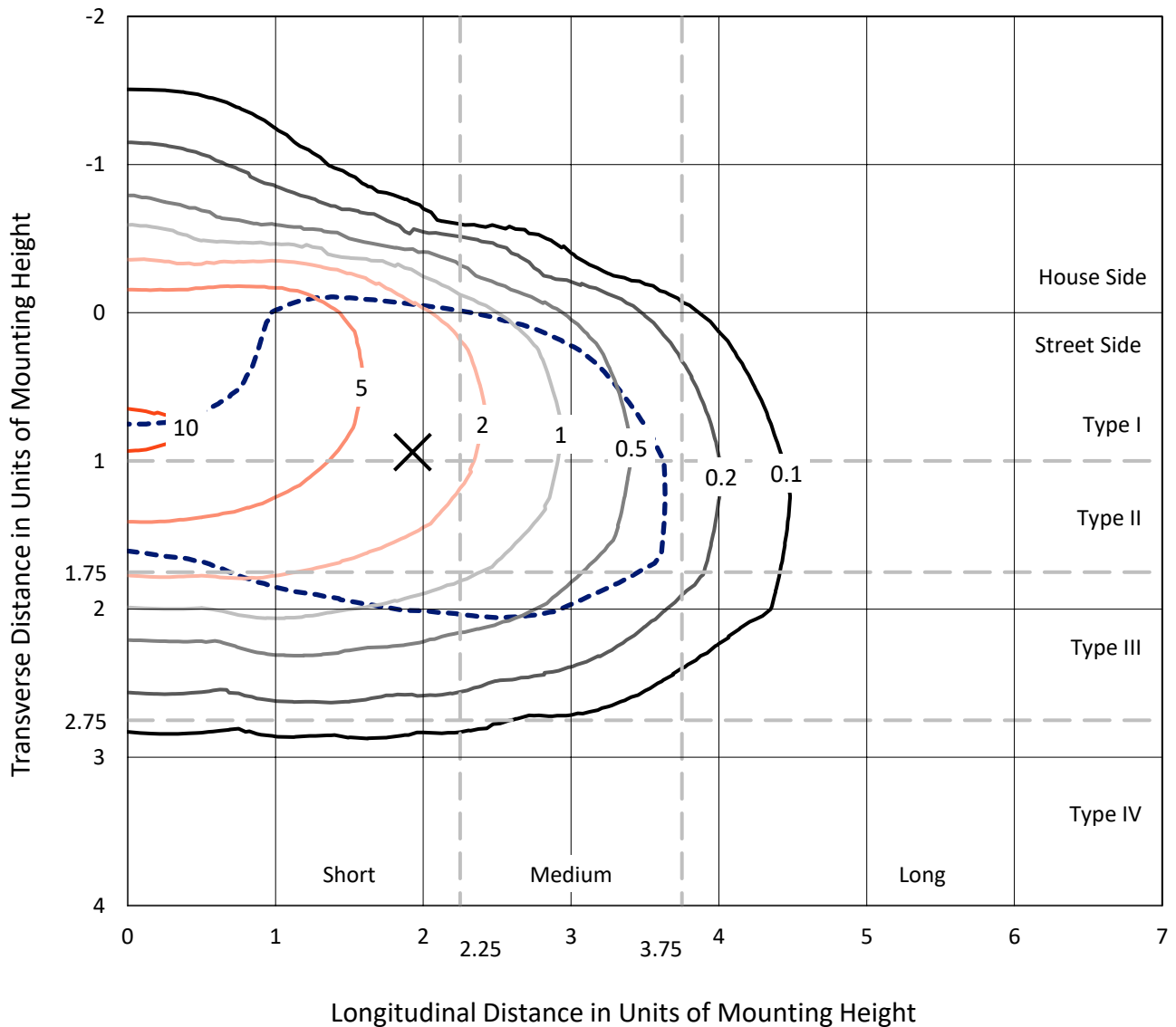
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

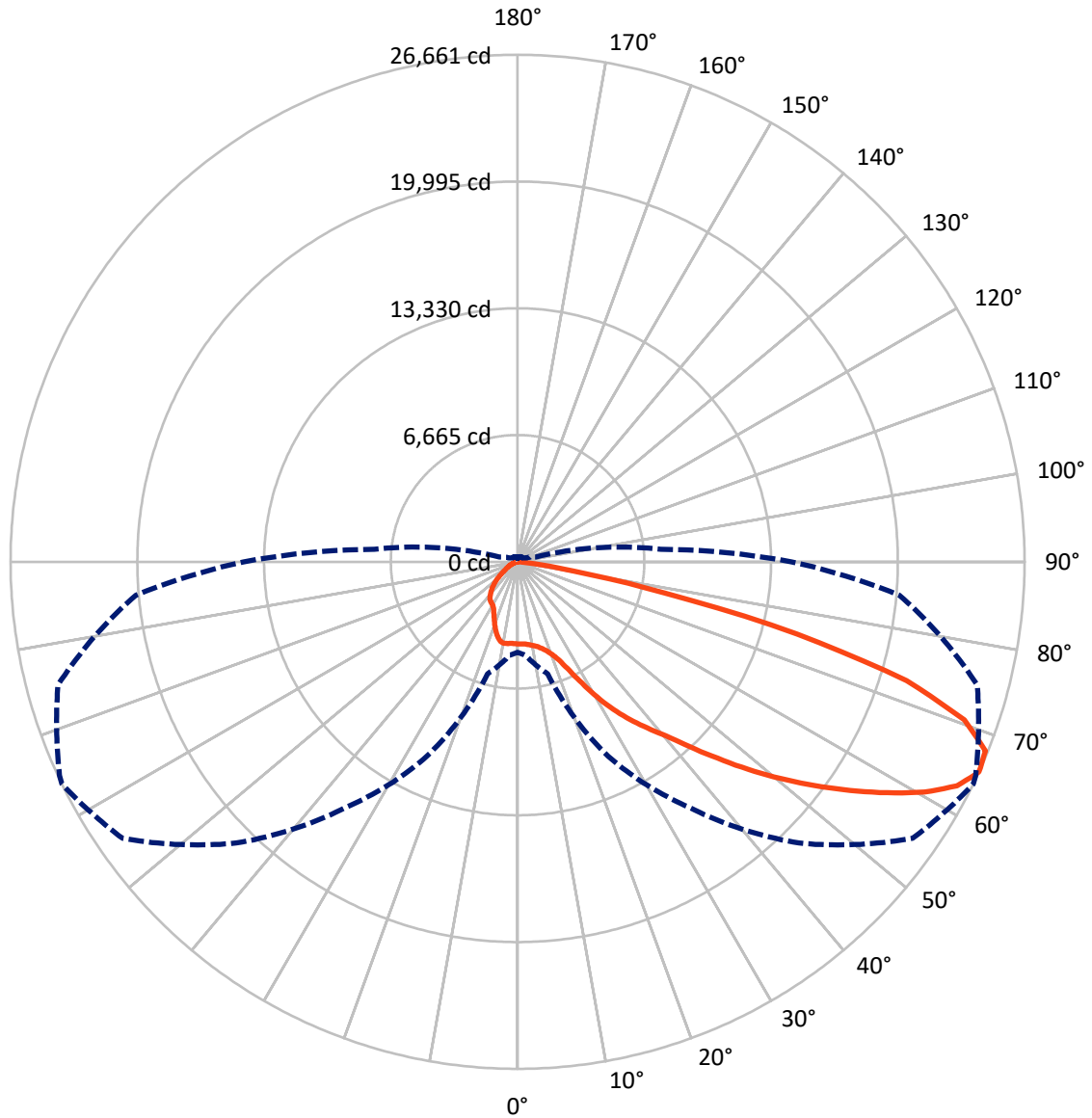
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	4967.7	0.0	4967.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	32179.3	0.0	32179.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	37147.0	0.0	37147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.6	1.1
10°-20°	1081.2	2.9
20°-30°	2048.7	5.5
30°-40°	4145.6	11.2
40°-50°	7062.1	19.0
50°-60°	9603.9	25.9
60°-70°	9018.6	24.3
70°-80°	3613.2	9.7
80°-90°	175.1	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°	37147.0	100.0
0°-180°	37147.0	100.0

Coefficient of Utilization

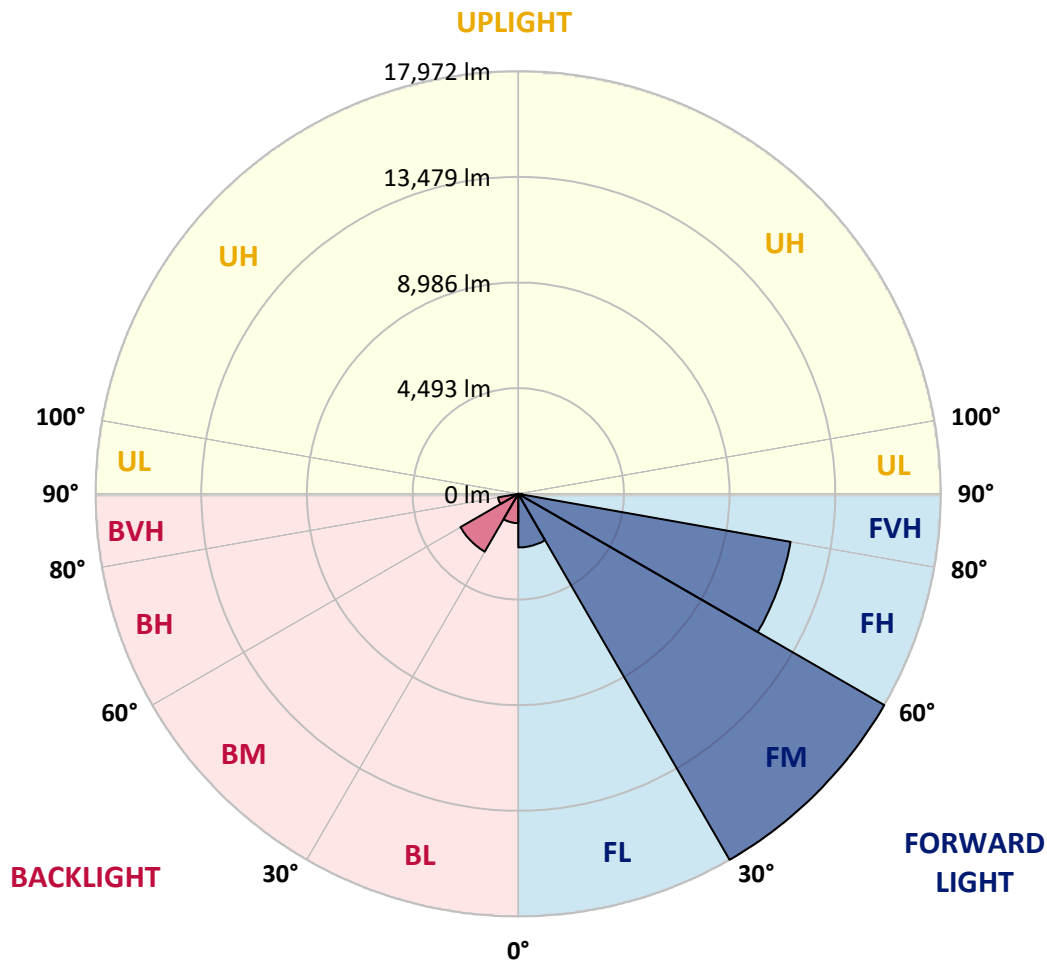


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2281.3	6.1			
FM (30°-60°)	17971.7	48.4			
FH (60°-80°)	11759.9	31.7			G4/12000
FVH (80°-90°)	166.5	0.4			G2/225
BL (0°-30°)	1247.2	3.4	B3/2500		
BM (30°-60°)	2840.0	7.6	B3/5000		
BH (60°-80°)	871.9	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°	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6
2.5°	4305.6	4335.5	4328.1	4320.6	4318.1	4323.1	4325.6	4323.1	4323.1	4323.1
5°	4223.5	4248.4	4248.4	4265.8	4290.7	4320.6	4343.0	4348.0	4353.0	4360.4
7.5°	4066.6	4086.5	4101.4	4158.7	4221.0	4300.7	4367.9	4402.8	4407.7	4435.1
10°	3959.5	3984.4	4009.3	4069.1	4158.7	4278.2	4392.8	4477.5	4489.9	4554.7
12.5°	3954.5	3979.4	4011.8	4076.5	4181.1	4308.1	4447.6	4569.6	4592.0	4686.6
15°	4006.8	4036.7	4066.6	4146.3	4258.3	4412.7	4562.1	4714.0	4736.5	4870.9
17.5°	4113.9	4153.7	4176.1	4255.8	4375.4	4547.2	4743.9	4918.2	4938.2	5095.0
20°	4325.6	4372.9	4380.3	4445.1	4562.1	4746.4	4980.5	5197.1	5222.1	5401.3
22.5°	4763.8	4831.1	4771.3	4803.7	4908.3	5092.6	5346.6	5620.5	5655.4	5859.6
25°	5535.8	5630.5	5476.1	5421.3	5466.1	5657.8	5976.6	6322.7	6362.6	6526.9
27.5°	7052.4	6930.4	6696.3	6467.2	6332.7	6442.3	6800.9	7229.2	7279.0	7438.4
30°	8718.4	8611.3	8295.0	7787.0	7468.3	7450.8	7782.0	8260.2	8317.4	8469.3
32.5°	10386.8	10284.7	9941.1	9316.0	8763.2	8489.3	8718.4	9248.8	9278.7	9375.8
35°	12027.9	11923.3	11579.7	10939.7	10259.8	9637.3	9592.4	10190.1	10200.1	10302.2
37.5°	13678.9	13591.8	13225.7	12598.2	11928.3	11069.2	10653.3	11081.6	11094.1	11193.7
40°	14856.8	14894.2	14642.7	14157.1	13581.8	12643.0	11843.6	12030.4	11955.7	12122.5
42.5°	15867.9	15942.6	15723.4	15479.4	15145.7	14318.9	13317.9	13285.5	13165.9	13255.6
45°	16741.9	16804.2	16607.5	16550.2	16542.7	15962.5	14929.0	14734.8	14568.0	14550.5
47.5°	17063.2	17182.7	17267.4	17459.1	17832.7	17588.6	16595.0	16293.7	16106.9	15970.0
50°	17185.2	17312.2	17601.1	18158.9	19042.9	19147.5	18253.5	17914.9	17685.7	17436.7
52.5°	17020.9	17247.5	17635.9	18574.8	19857.2	20397.6	19844.8	19548.5	19287.0	18881.1
55°	16052.1	16278.8	17073.1	18569.8	20263.2	21274.2	21348.9	21216.9	20923.1	20283.1
57.5°	14010.1	14346.3	15603.9	17937.3	20255.7	22028.7	22823.1	22917.8	22589.0	21672.6
60°	11181.2	11636.9	13170.9	16535.3	19630.6	22437.1	24115.6	24588.7	24240.1	23042.3
62.5°	7801.9	8329.9	9781.7	14338.9	18201.2	22143.3	25059.4	25933.5	25669.5	24267.5
65°	4758.9	4928.2	6098.6	11283.3	15770.7	20913.1	25350.7	26660.6	26573.4	25017.0
67.5°	3170.1	3312.0	3648.2	7737.2	12242.1	18455.2	24653.5	26533.6	26558.5	24895.0
70°	1910.0	2032.0	2251.2	4499.9	7933.9	14607.8	22494.4	24914.9	25059.4	23263.9
72.5°	786.9	869.1	1068.3	2039.5	4108.9	9271.2	17912.4	21391.2	21727.4	19560.9
75°	445.8	488.1	627.5	1023.5	1783.0	4320.6	10850.0	15185.5	15681.1	13482.2
77.5°	296.3	316.3	405.9	662.4	1003.6	1474.2	4636.8	7911.5	8857.8	7363.7
80°	199.2	216.7	278.9	443.3	652.4	632.5	1476.7	2931.0	3605.9	2530.1
82.5°	134.5	137.0	199.2	291.4	413.4	306.3	435.8	911.4	1145.5	732.1
85°	77.2	74.7	146.9	169.3	184.3	127.0	132.0	273.9	358.6	308.8
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°
4320.6	0°	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6	4320.6
4325.6	2.5°	4325.6	4323.1	4315.6	4308.1	4290.7	4280.7	4285.7	4280.7	4278.2	4280.7
4357.9	5°	4357.9	4350.5	4330.5	4305.6	4270.8	4228.4	4201.0	4161.2	4123.9	4101.4
4445.1	7.5°	4445.1	4437.6	4410.2	4340.5	4228.4	4051.6	3889.8	3747.8	3640.7	3578.5
4584.5	10°	4584.5	4572.1	4529.8	4375.4	4081.5	3695.5	3374.3	3107.8	2933.5	2851.3
4748.9	12.5°	4748.9	4734.0	4659.3	4343.0	3802.6	3200.0	2756.7	2460.4	2298.5	2226.3
4938.2	15°	4943.1	4923.2	4776.3	4188.6	3396.7	2652.1	2246.2	2024.6	1920.0	1855.2
5179.7	17.5°	5184.7	5149.8	4863.5	3957.0	2955.9	2233.8	1932.4	1765.6	1673.4	1611.2
5496.0	20°	5498.5	5441.2	4933.2	3680.6	2550.0	1969.8	1720.8	1581.3	1511.6	1456.8
5944.2	22.5°	5936.8	5854.6	5017.9	3381.8	2263.6	1788.0	1563.9	1461.8	1404.5	1342.2
6569.3	25°	6479.6	6382.5	5122.4	3105.3	2066.9	1631.1	1449.3	1364.7	1297.4	1225.2
7388.6	27.5°	7239.2	7064.8	5247.0	2878.7	1897.6	1496.6	1344.7	1250.1	1172.9	1113.1
8317.4	30°	8085.8	7799.5	5356.5	2741.8	1743.2	1372.1	1207.8	1113.1	1040.9	998.6
9151.7	32.5°	8887.7	8499.2	5428.7	2682.0	1603.7	1230.2	1058.4	956.3	901.5	889.0
9968.5	35°	9644.7	9131.7	5421.3	2624.7	1479.2	1088.2	911.4	806.8	764.5	772.0
10847.5	37.5°	10516.3	9806.6	5369.0	2535.1	1377.1	958.7	784.4	692.3	654.9	657.4
11915.8	40°	11529.9	10586.0	5336.6	2365.7	1265.0	839.2	679.8	605.1	577.7	567.8
13041.4	42.5°	12610.6	11340.6	5341.6	2174.0	1125.6	732.1	607.6	545.4	520.5	513.0
14294.0	45°	13696.4	12060.3	5349.1	1974.8	978.7	650.0	555.3	503.0	488.1	478.1
15564.1	47.5°	14717.4	12672.9	5209.6	1760.6	834.2	587.7	513.0	478.1	465.7	453.2
16839.1	50°	15668.6	13081.3	4873.4	1511.6	719.7	537.9	480.6	455.7	443.3	430.8
17994.5	52.5°	16408.2	13146.0	4318.1	1255.1	640.0	500.5	460.7	438.3	423.3	410.9
18928.4	55°	16737.0	12740.1	3528.7	1016.0	577.7	468.2	440.8	418.4	400.9	388.5
19663.0	57.5°	16652.3	11886.0	2751.7	816.8	518.0	435.8	415.9	400.9	381.0	361.1
20258.2	60°	16236.4	10742.9	2074.4	679.8	463.2	400.9	388.5	376.0	348.6	318.8
20487.3	62.5°	15516.7	9306.1	1479.2	562.8	403.4	361.1	356.1	346.1	306.3	251.5
20148.6	65°	14416.1	7560.4	996.1	468.2	346.1	316.3	318.8	301.3	249.0	186.8
18908.5	67.5°	12807.4	5528.4	637.5	383.5	288.9	264.0	266.5	256.5	211.7	159.4
16557.7	70°	10757.9	3660.7	415.9	291.4	231.6	204.2	219.1	221.6	179.3	129.5
12707.7	72.5°	7886.6	2161.5	291.4	216.7	169.3	141.9	179.3	184.3	144.4	97.1
7645.1	75°	4494.9	1026.0	219.1	156.9	104.6	99.6	139.5	139.5	99.6	64.7
3309.5	77.5°	1887.6	428.3	154.4	102.1	59.8	57.3	94.6	87.2	49.8	29.9
806.8	80°	545.4	191.7	82.2	49.8	24.9	22.4	37.4	27.4	12.5	5.0
306.3	82.5°	214.2	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
37.4	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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4320.6
4290.7
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1217.7
1100.7
991.1
896.5
772.0
667.4
565.3
510.5
478.1
453.2
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