

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: P849717

Luminaire Tested: **GLAN-SB6D-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849717
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-SB6D-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA 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: 41555 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

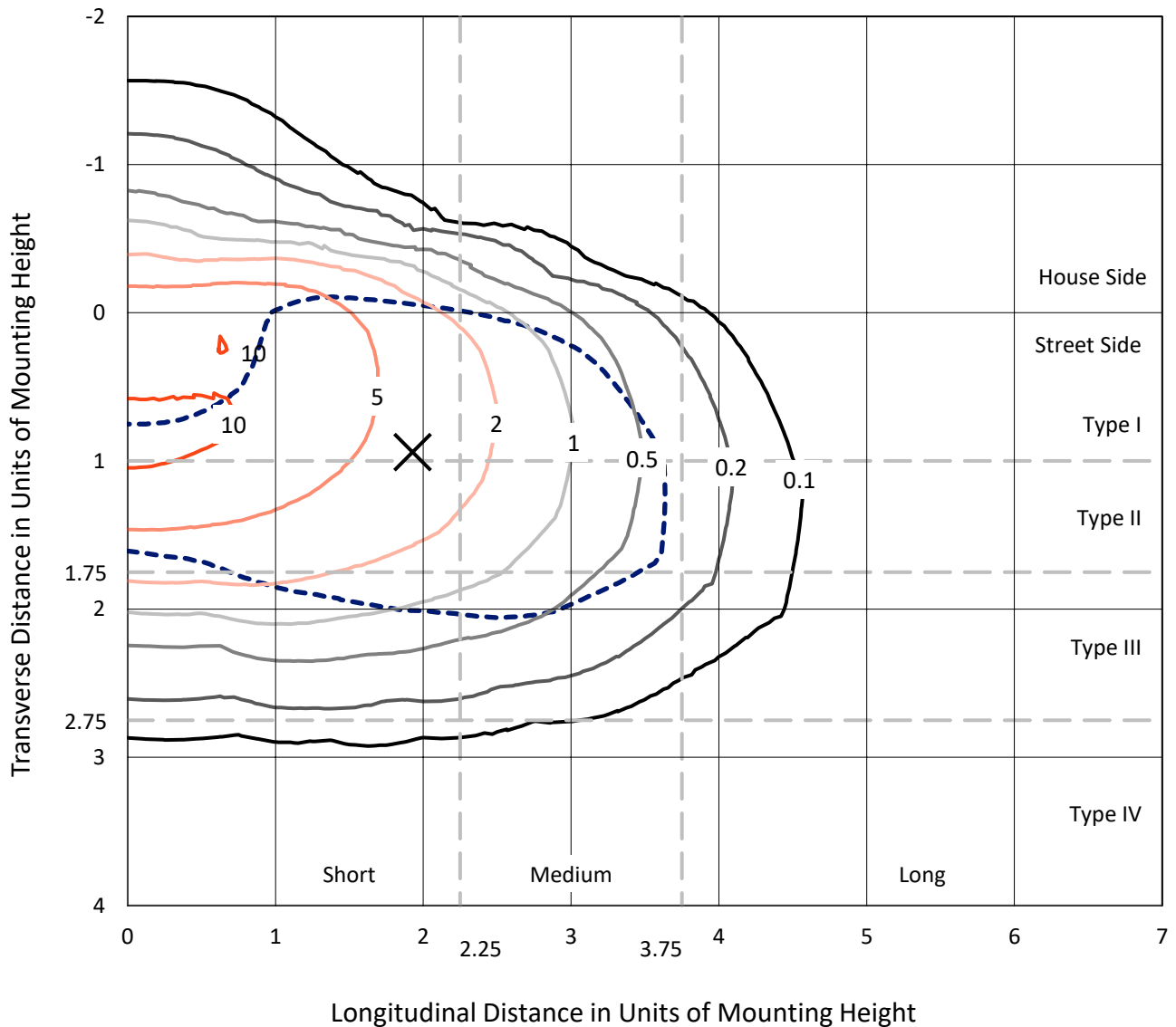
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

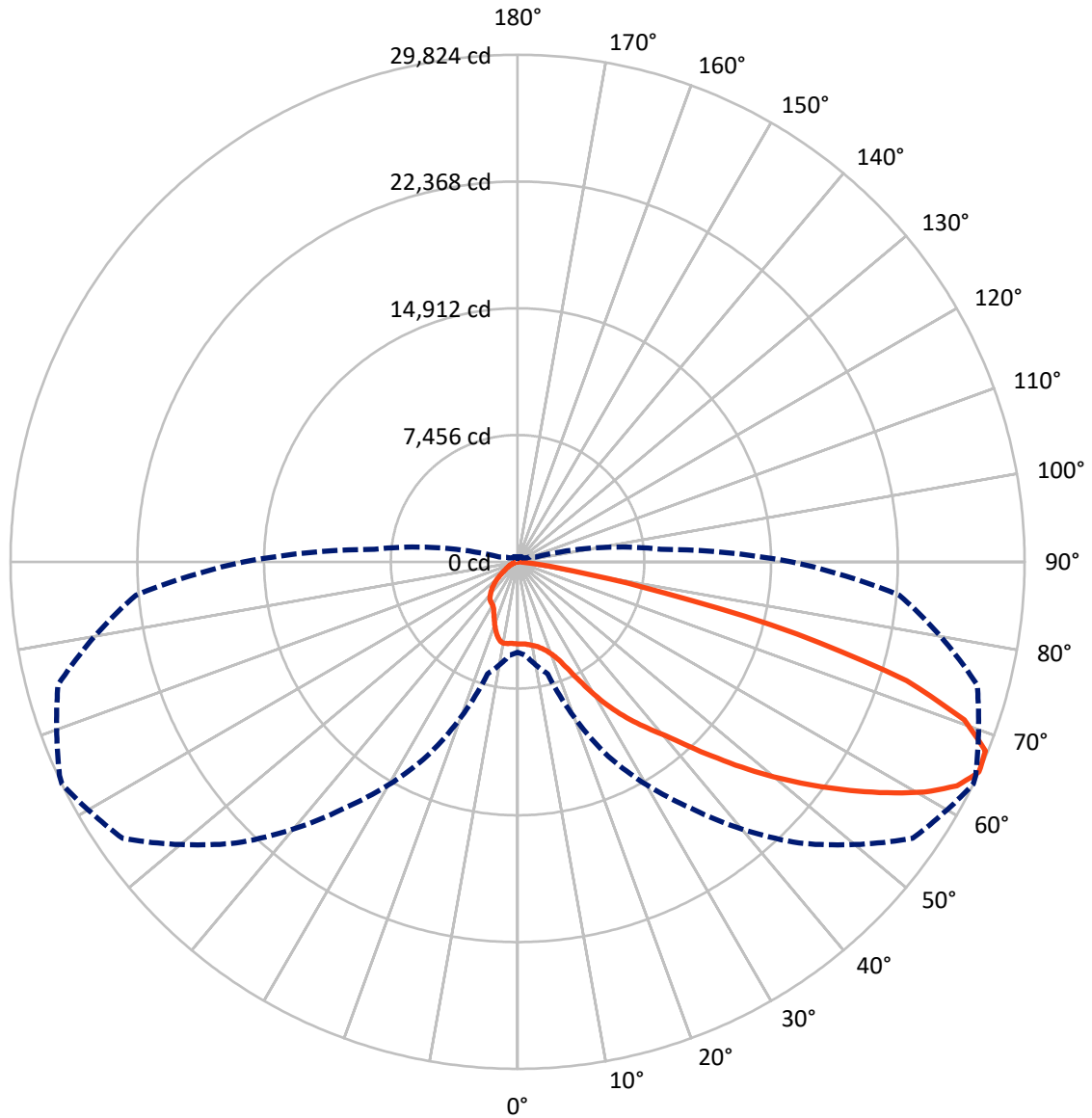
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 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	5557.2	0.0	5557.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	35997.8	0.0	35997.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	41555.0	0.0	41555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.9	1.1
10°-20°	1209.5	2.9
20°-30°	2291.8	5.5
30°-40°	4637.6	11.2
40°-50°	7900.1	19.0
50°-60°	10743.6	25.9
60°-70°	10088.7	24.3
70°-80°	4042.0	9.7
80°-90°	195.8	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°	41555.0	100.0
0°-180°	41555.0	100.0

Coefficient of Utilization



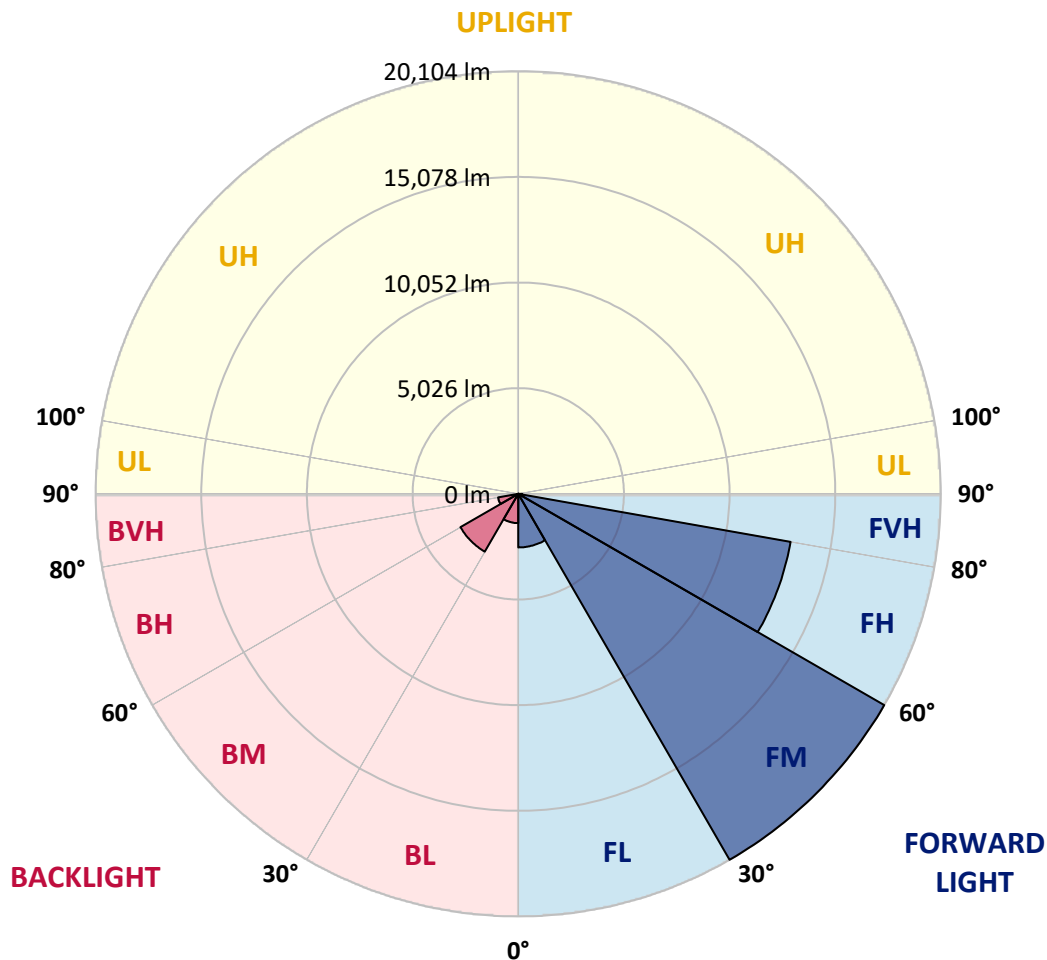
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2552.0	6.1			
FM (30°-60°)	20104.3	48.4			
FH (60°-80°)	13155.4	31.7			G5
FVH (80°-90°)	186.3	0.4			G2/225
BL (0°-30°)	1395.2	3.4	B3/2500		
BM (30°-60°)	3177.0	7.6	B3/5000		
BH (60°-80°)	975.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.6	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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3
2.5°	4816.6	4850.0	4841.6	4833.3	4830.5	4836.1	4838.8	4836.1	4836.1	4836.1
5°	4724.6	4752.5	4752.5	4772.0	4799.8	4833.3	4858.3	4863.9	4869.5	4877.9
7.5°	4549.1	4571.4	4588.1	4652.2	4721.8	4811.0	4886.2	4925.2	4930.8	4961.4
10°	4429.3	4457.2	4485.1	4551.9	4652.2	4785.9	4914.1	5008.8	5022.7	5095.1
12.5°	4423.8	4451.6	4487.8	4560.3	4677.3	4819.3	4975.4	5111.9	5136.9	5242.8
15°	4482.3	4515.7	4549.1	4638.3	4763.6	4936.4	5103.5	5273.4	5298.5	5448.9
17.5°	4602.1	4646.6	4671.7	4760.8	4894.6	5086.8	5306.9	5501.9	5524.1	5699.6
20°	4838.8	4891.8	4900.1	4972.6	5103.5	5309.6	5571.5	5813.9	5841.7	6042.3
22.5°	5329.1	5404.4	5337.5	5373.7	5490.7	5696.9	5981.0	6287.4	6326.4	6554.9
25°	6192.7	6298.6	6125.9	6064.6	6114.7	6329.2	6685.8	7073.0	7117.6	7301.5
27.5°	7889.2	7752.7	7490.9	7234.6	7084.2	7206.7	7607.9	8087.0	8142.8	8321.0
30°	9752.9	9633.1	9279.3	8711.0	8354.5	8335.0	8705.5	9240.3	9304.4	9474.3
32.5°	11619.4	11505.2	11120.7	10421.5	9803.1	9496.6	9752.9	10346.3	10379.7	10488.4
35°	13455.2	13338.2	12953.7	12237.8	11477.3	10780.9	10730.7	11399.3	11410.4	11524.7
37.5°	15302.1	15204.6	14795.1	14093.1	13343.7	12382.7	11917.4	12396.6	12410.5	12522.0
40°	16619.8	16661.6	16380.2	15837.0	15193.5	14143.3	13249.0	13458.0	13374.4	13561.0
42.5°	17750.8	17834.4	17589.2	17316.2	16942.9	16018.1	14898.2	14862.0	14728.3	14828.6
45°	18728.6	18798.2	18578.2	18514.1	18505.7	17856.7	16700.6	16483.3	16296.6	16277.1
47.5°	19088.0	19221.7	19316.4	19530.9	19948.8	19675.8	18564.2	18227.2	18018.2	17865.0
50°	19224.5	19366.5	19689.7	20313.7	21302.6	21419.6	20419.6	20040.7	19784.4	19505.8
52.5°	19040.6	19294.1	19728.7	20778.9	22213.6	22818.1	22199.6	21868.1	21575.6	21121.6
55°	17957.0	18210.5	19099.1	20773.3	22667.7	23798.7	23882.2	23734.6	23405.9	22689.9
57.5°	15672.6	16048.7	17455.5	20065.8	22659.3	24642.8	25531.4	25637.3	25269.5	24244.4
60°	12508.0	13017.8	14733.8	18497.4	21960.1	25099.6	26977.2	27506.5	27116.5	25776.6
62.5°	8727.8	9318.3	10942.4	16040.4	20361.1	24770.9	28033.0	29010.8	28715.5	27147.1
65°	5323.6	5513.0	6822.3	12622.2	17642.2	23394.7	28358.9	29824.3	29726.7	27985.7
67.5°	3546.3	3705.0	4081.1	8655.3	13694.8	20645.2	27578.9	29682.2	29710.0	27849.2
70°	2136.7	2273.2	2518.3	5033.9	8875.4	16341.2	25163.7	27871.4	28033.0	26024.5
72.5°	880.3	972.2	1195.1	2281.5	4596.5	10371.4	20037.9	23929.6	24305.7	21882.1
75°	498.6	546.0	702.0	1144.9	1994.6	4833.3	12137.5	16987.5	17541.9	15082.1
77.5°	331.5	353.8	454.1	741.0	1122.7	1649.2	5187.1	8850.3	9908.9	8237.5
80°	222.9	242.4	312.0	495.9	729.9	707.6	1652.0	3278.8	4033.8	2830.3
82.5°	150.4	153.2	222.9	325.9	462.4	342.6	487.5	1019.6	1281.4	819.0
85°	86.4	83.6	164.4	189.4	206.1	142.1	147.6	306.4	401.1	345.4
87.5°	11.1	16.7	64.1	50.1	27.9	30.6	30.6	52.9	78.0	83.6
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°
4833.3	0°	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3	4833.3
4838.8	2.5°	4838.8	4836.1	4827.7	4819.3	4799.8	4788.7	4794.3	4788.7	4785.9	4788.7
4875.1	5°	4875.1	4866.7	4844.4	4816.6	4777.6	4730.2	4699.6	4655.0	4613.2	4588.1
4972.6	7.5°	4972.6	4964.2	4933.6	4855.6	4730.2	4532.4	4351.3	4192.6	4072.8	4003.1
5128.6	10°	5128.6	5114.6	5067.3	4894.6	4565.8	4134.1	3774.7	3476.6	3281.6	3189.7
5312.4	12.5°	5312.4	5295.7	5212.1	4858.3	4253.8	3579.7	3083.8	2752.3	2571.2	2490.5
5524.1	15°	5529.7	5507.4	5343.1	4685.6	3799.8	2966.8	2512.7	2264.8	2147.8	2075.4
5794.4	17.5°	5799.9	5760.9	5440.6	4426.6	3306.7	2498.8	2161.7	1975.1	1872.0	1802.4
6148.2	20°	6150.9	6086.9	5518.6	4117.3	2852.6	2203.5	1925.0	1769.0	1691.0	1629.7
6649.6	22.5°	6641.2	6549.3	5613.3	3783.0	2532.2	2000.2	1749.5	1635.2	1571.2	1501.5
7348.8	25°	7248.5	7139.9	5730.3	3473.8	2312.2	1824.7	1621.3	1526.6	1451.4	1370.6
8265.3	27.5°	8098.2	7903.2	5869.6	3220.3	2122.7	1674.2	1504.3	1398.4	1312.1	1245.2
9304.4	30°	9045.3	8725.0	5992.2	3067.1	1950.0	1534.9	1351.1	1245.2	1164.4	1117.1
10237.6	32.5°	9942.3	9507.8	6072.9	3000.3	1794.0	1376.2	1183.9	1069.7	1008.4	994.5
11151.4	35°	10789.2	10215.3	6064.6	2936.2	1654.7	1217.4	1019.6	902.6	855.2	863.6
12134.7	37.5°	11764.2	10970.3	6006.1	2835.9	1540.5	1072.5	877.5	774.4	732.7	735.4
13329.8	40°	12898.0	11842.2	5969.9	2646.5	1415.2	938.8	760.5	676.9	646.3	635.2
14589.0	42.5°	14107.0	12686.3	5975.4	2432.0	1259.2	819.0	679.7	610.1	582.2	573.9
15990.2	45°	15321.6	13491.4	5983.8	2209.1	1094.8	727.1	621.2	562.7	546.0	534.9
17410.9	47.5°	16463.8	14176.7	5827.8	1969.5	933.2	657.4	573.9	534.9	520.9	507.0
18837.2	50°	17527.9	14633.6	5451.7	1691.0	805.1	601.7	537.6	509.8	495.9	481.9
20129.8	52.5°	18355.3	14706.0	4830.5	1404.0	715.9	559.9	515.4	490.3	473.6	459.6
21174.5	55°	18723.0	14251.9	3947.4	1136.6	646.3	523.7	493.1	468.0	448.5	434.6
21996.3	57.5°	18628.3	13296.4	3078.3	913.7	579.4	487.5	465.2	448.5	426.2	403.9
22662.1	60°	18163.1	12017.7	2320.5	760.5	518.1	448.5	434.6	420.6	390.0	356.6
22918.4	62.5°	17358.0	10410.4	1654.7	629.6	451.3	403.9	398.4	387.2	342.6	281.4
22539.5	65°	16126.7	8457.5	1114.3	523.7	387.2	353.8	356.6	337.1	278.6	208.9
21152.2	67.5°	14327.1	6184.4	713.2	429.0	323.1	295.3	298.1	286.9	236.8	178.3
18522.5	70°	12034.4	4095.1	465.2	325.9	259.1	228.4	245.1	247.9	200.6	144.9
14215.7	72.5°	8822.5	2418.0	325.9	242.4	189.4	158.8	200.6	206.1	161.6	108.6
8552.3	75°	5028.3	1147.7	245.1	175.5	117.0	111.4	156.0	156.0	111.4	72.4
3702.3	77.5°	2111.6	479.1	172.7	114.2	66.9	64.1	105.9	97.5	55.7	33.4
902.6	80°	610.1	214.5	91.9	55.7	27.9	25.1	41.8	30.6	13.9	5.6
342.6	82.5°	239.6	94.7	36.2	22.3	11.1	11.1	5.6	0.0	0.0	0.0
195.0	85°	142.1	39.0	16.7	8.4	2.8	0.0	0.0	0.0	0.0	0.0
41.8	87.5°	36.2	8.4	5.6	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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4833.3
4799.8
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1108.7
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