

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: P850997

Luminaire Tested: **GLAN-SB8D-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850997
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-SB8D-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 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: 63328 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

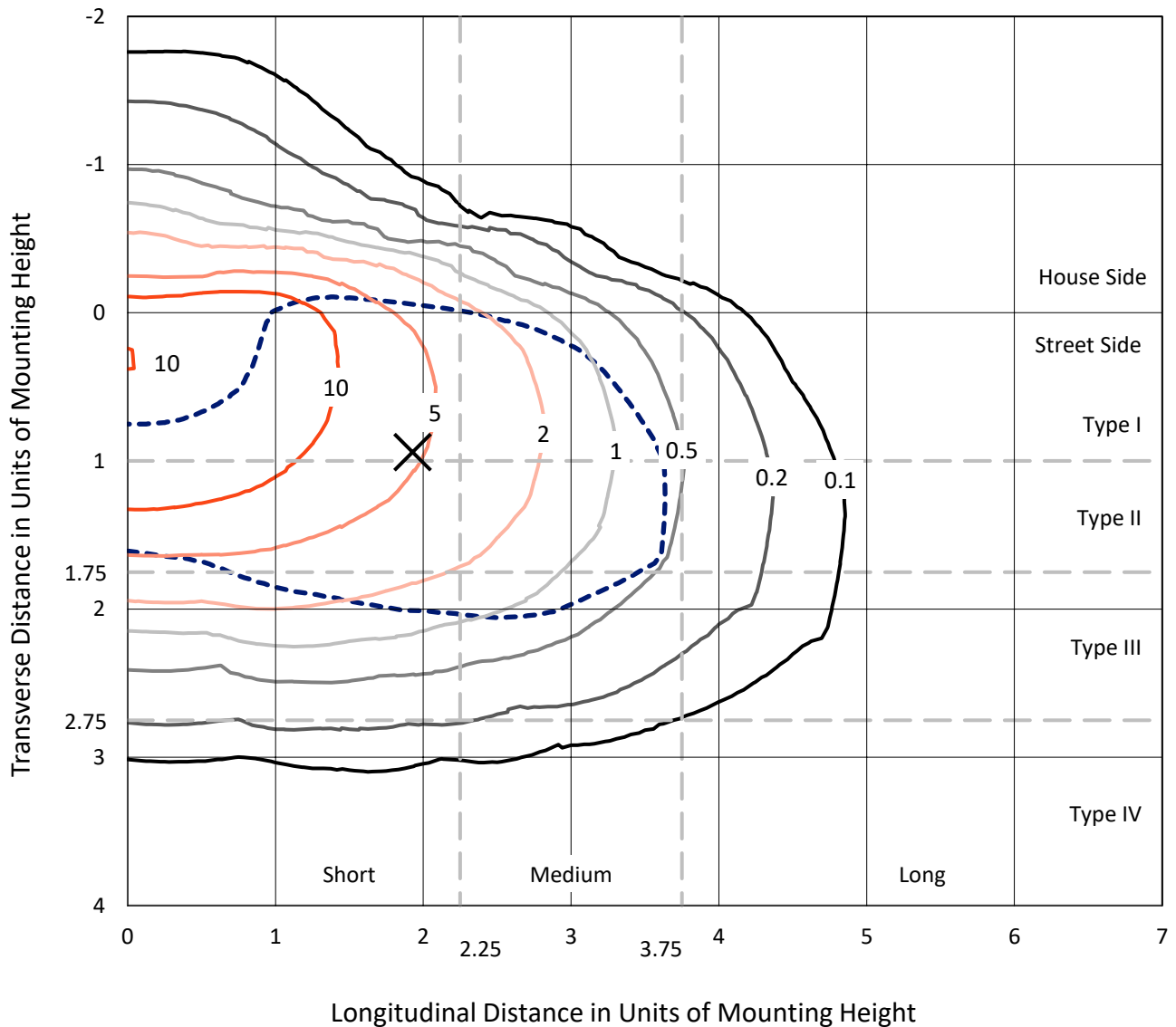
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

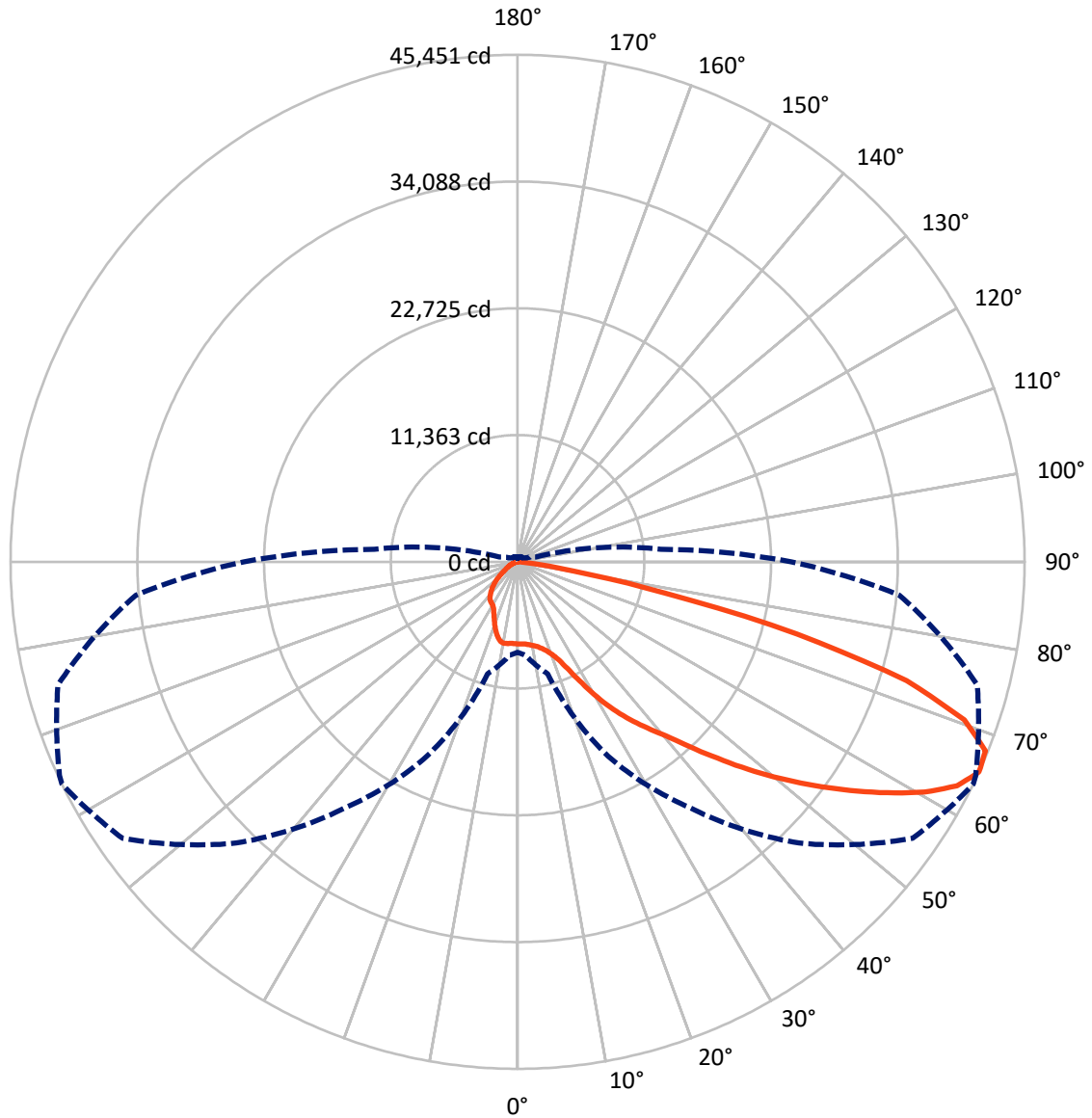
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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	8468.9	0.0	8468.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	54859.1	0.0	54859.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	63328.0	0.0	63328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.6	1.1
10°-20°	1843.2	2.9
20°-30°	3492.6	5.5
30°-40°	7067.4	11.2
40°-50°	12039.4	19.0
50°-60°	16372.7	25.9
60°-70°	15374.8	24.3
70°-80°	6159.8	9.7
80°-90°	298.4	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°	63328.0	100.0
0°-180°	63328.0	100.0

Coefficient of Utilization

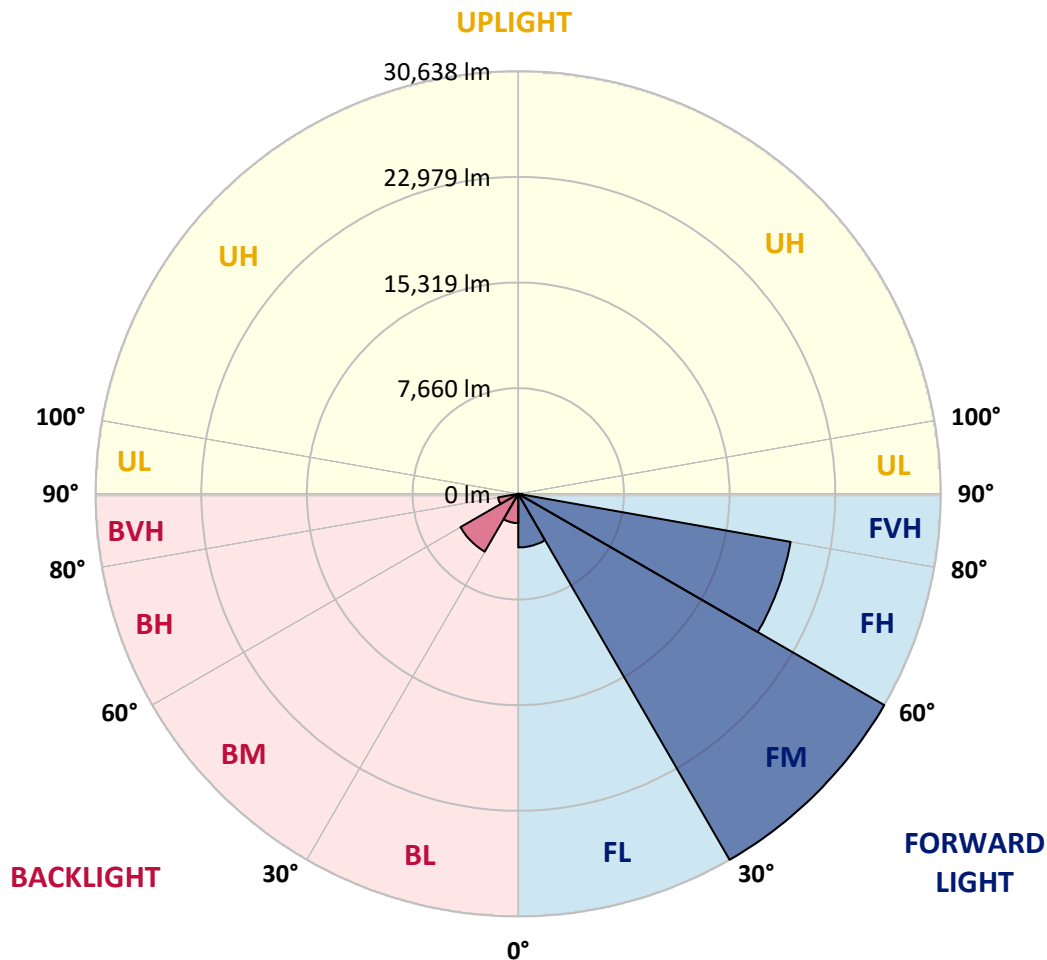


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3889.1	6.1			
FM (30°-60°)	30638.0	48.4			
FH (60°-80°)	20048.2	31.7			G5
FVH (80°-90°)	283.8	0.4			G3/500
BL (0°-30°)	2126.3	3.4	B3/2500		
BM (30°-60°)	4841.6	7.6	B3/5000		
BH (60°-80°)	1486.4	2.3	B3/2500		G3/2500
BVH (80°-90°)	14.6	0.0			G1/100
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°	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7
2.5°	7340.2	7391.2	7378.4	7365.7	7361.5	7369.9	7374.2	7369.9	7369.9	7369.9
5°	7200.1	7242.6	7242.6	7272.3	7314.8	7365.7	7403.9	7412.4	7420.9	7433.6
7.5°	6932.7	6966.6	6992.1	7089.8	7195.9	7331.7	7446.4	7505.8	7514.3	7561.0
10°	6750.1	6792.6	6835.0	6936.9	7089.8	7293.5	7488.8	7633.2	7654.4	7764.8
12.5°	6741.6	6784.1	6839.3	6949.7	7128.0	7344.5	7582.2	7790.2	7828.4	7989.8
15°	6830.8	6881.7	6932.7	7068.5	7259.6	7522.8	7777.5	8036.5	8074.7	8303.9
17.5°	7013.3	7081.3	7119.5	7255.3	7459.1	7752.0	8087.4	8384.6	8418.6	8686.0
20°	7374.2	7454.9	7467.6	7578.0	7777.5	8091.7	8490.7	8860.1	8902.5	9208.2
22.5°	8121.4	8236.0	8134.1	8189.3	8367.6	8681.8	9114.8	9581.8	9641.2	9989.3
25°	9437.4	9598.8	9335.6	9242.2	9318.6	9645.5	10188.9	10779.0	10846.9	11127.1
27.5°	12022.9	11814.8	11415.8	11025.2	10796.0	10982.8	11594.1	12324.3	12409.2	12680.9
30°	14863.0	14680.5	14141.3	13275.2	12731.8	12702.1	13266.8	14081.9	14179.5	14438.5
32.5°	17707.4	17533.3	16947.5	15881.9	14939.4	14472.4	14863.0	15767.3	15818.2	15983.8
35°	20505.1	20326.8	19740.9	18649.9	17490.9	16429.6	16353.1	17372.0	17389.0	17563.1
37.5°	23319.8	23171.2	22547.1	21477.3	20335.3	18870.6	18161.7	18891.9	18913.1	19082.9
40°	25327.8	25391.5	24962.7	24134.9	23154.2	21553.7	20190.9	20509.3	20382.0	20666.4
42.5°	27051.5	27178.8	26805.2	26389.2	25820.3	24410.8	22704.2	22649.0	22445.2	22598.1
45°	28541.6	28647.7	28312.3	28214.7	28201.9	27212.8	25450.9	25119.8	24835.4	24805.7
47.5°	29089.2	29293.0	29437.3	29764.2	30401.0	29985.0	28291.1	27777.4	27459.0	27225.5
50°	29297.2	29513.8	30006.2	30957.2	32464.3	32642.6	31118.5	30541.1	30150.6	29726.0
52.5°	29017.1	29403.4	30065.7	31666.2	33852.5	34773.8	33831.3	33326.1	32880.3	32188.3
55°	27365.6	27751.9	29106.2	31657.7	34544.5	36268.1	36395.5	36170.5	35669.5	34578.5
57.5°	23884.4	24457.5	26601.4	30579.3	34531.8	37554.5	38908.7	39070.1	38509.7	36947.4
60°	19061.7	19838.6	22453.7	28189.2	33466.2	38250.7	41112.1	41918.7	41324.4	39282.3
62.5°	13300.7	14200.7	16675.8	24444.8	31029.4	37749.8	42721.1	44211.2	43761.2	41371.1
65°	8112.9	8401.6	10396.9	19235.7	26885.9	35652.6	43217.8	45450.9	45302.3	42648.9
67.5°	5404.3	5646.3	6219.5	13190.3	20870.2	31462.4	42029.1	45234.3	45276.8	42440.9
70°	3256.2	3464.2	3837.8	7671.4	13525.7	24903.3	38348.4	42474.9	42721.1	39660.2
72.5°	1341.5	1481.6	1821.3	3477.0	7004.8	15805.5	30536.9	36467.7	37040.8	33347.3
75°	759.9	832.1	1069.8	1744.8	3039.7	7365.7	18497.0	25888.2	26733.0	22984.4
77.5°	505.2	539.2	692.0	1129.3	1710.9	2513.3	7904.9	13487.5	15100.8	12553.5
80°	339.6	369.3	475.5	755.7	1112.3	1078.3	2517.5	4996.8	6147.3	4313.3
82.5°	229.2	233.5	339.6	496.7	704.7	522.2	742.9	1553.8	1952.9	1248.1
85°	131.6	127.4	250.5	288.7	314.2	216.5	225.0	467.0	611.3	526.4
87.5°	17.0	25.5	97.6	76.4	42.5	46.7	46.7	80.7	118.9	127.4
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°
7365.7	0°	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7
7374.2	2.5°	7374.2	7369.9	7357.2	7344.5	7314.8	7297.8	7306.3	7297.8	7293.5	7297.8
7429.4	5°	7429.4	7416.6	7382.7	7340.2	7280.8	7208.6	7161.9	7094.0	7030.3	6992.1
7578.0	7.5°	7578.0	7565.2	7518.5	7399.7	7208.6	6907.2	6631.3	6389.3	6206.7	6100.6
7815.7	10°	7815.7	7794.5	7722.3	7459.1	6958.1	6300.1	5752.5	5298.2	5001.0	4860.9
8095.9	12.5°	8095.9	8070.4	7943.1	7403.9	6482.7	5455.3	4699.6	4194.4	3918.5	3795.4
8418.6	15°	8427.0	8393.1	8142.6	7140.7	5790.7	4521.3	3829.3	3451.5	3273.2	3162.8
8830.4	17.5°	8838.8	8779.4	8291.2	6745.9	5039.2	3808.1	3294.4	3010.0	2852.9	2746.7
9369.5	20°	9373.8	9276.1	8410.1	6274.6	4347.3	3358.1	2933.5	2695.8	2576.9	2483.5
10133.7	22.5°	10120.9	9980.8	8554.4	5765.2	3859.0	3048.2	2666.1	2492.0	2394.4	2288.3
11199.3	25°	11046.4	10880.9	8732.7	5294.0	3523.7	2780.7	2470.8	2326.5	2211.8	2088.7
12596.0	27.5°	12341.3	12044.1	8945.0	4907.6	3235.0	2551.5	2292.5	2131.2	1999.6	1897.7
14179.5	30°	13784.7	13296.5	9131.8	4674.1	2971.8	2339.2	2059.0	1897.7	1774.6	1702.4
15601.7	32.5°	15151.7	14489.4	9254.9	4572.3	2734.0	2097.2	1804.3	1630.2	1536.8	1515.6
16994.2	35°	16442.3	15567.7	9242.2	4474.6	2521.7	1855.2	1553.8	1375.5	1303.3	1316.1
18492.8	37.5°	17928.2	16718.2	9153.0	4321.8	2347.7	1634.5	1337.3	1180.2	1116.5	1120.8
20314.1	40°	19656.0	18047.0	9097.8	4033.1	2156.6	1430.7	1159.0	1031.6	984.9	967.9
22233.0	42.5°	21498.5	19333.4	9106.3	3706.2	1918.9	1248.1	1035.9	929.7	887.3	874.5
24368.4	45°	23349.5	20560.3	9119.0	3366.6	1668.4	1108.0	946.7	857.6	832.1	815.1
26533.5	47.5°	25090.1	21604.6	8881.3	3001.5	1422.2	1001.9	874.5	815.1	793.9	772.7
28707.1	50°	26711.8	22300.9	8308.2	2576.9	1226.9	917.0	819.4	776.9	755.7	734.4
30677.0	52.5°	27972.7	22411.3	7361.5	2139.7	1091.1	853.3	785.4	747.2	721.7	700.5
32269.0	55°	28533.1	21719.3	6015.7	1732.1	984.9	798.1	751.4	713.2	683.5	662.3
33521.4	57.5°	28388.7	20263.1	4691.1	1392.5	883.0	742.9	709.0	683.5	649.5	615.6
34536.0	60°	27679.8	18314.5	3536.4	1159.0	789.6	683.5	662.3	641.0	594.4	543.4
34926.6	62.5°	26452.9	15864.9	2521.7	959.5	687.7	615.6	607.1	590.1	522.2	428.8
34349.2	65°	24576.4	12888.9	1698.1	798.1	590.1	539.2	543.4	513.7	424.5	318.4
32235.0	67.5°	21833.9	9424.7	1086.8	653.8	492.5	450.0	454.3	437.3	360.9	271.7
28227.4	70°	18340.0	6240.7	709.0	496.7	394.8	348.1	373.6	377.8	305.7	220.8
21664.1	72.5°	13445.1	3685.0	496.7	369.3	288.7	242.0	305.7	314.2	246.2	165.6
13033.3	75°	7662.9	1749.1	373.6	267.5	178.3	169.8	237.7	237.7	169.8	110.4
5642.1	77.5°	3218.0	730.2	263.2	174.1	101.9	97.6	161.3	148.6	84.9	50.9
1375.5	80°	929.7	326.9	140.1	84.9	42.5	38.2	63.7	46.7	21.2	8.5
522.2	82.5°	365.1	144.3	55.2	34.0	17.0	17.0	8.5	0.0	0.0	0.0
297.2	85°	216.5	59.4	25.5	12.7	4.2	0.0	0.0	0.0	0.0	0.0
63.7	87.5°	55.2	12.7	8.5	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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7365.7
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2738.3
2466.6
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2076.0
1876.5
1689.7
1528.3
1316.1
1137.8
963.7
870.3
815.1
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