

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: P850537

Luminaire Tested: **GLAN-SB8A-830-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850537
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-SB8A-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 350mA 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: 24426 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

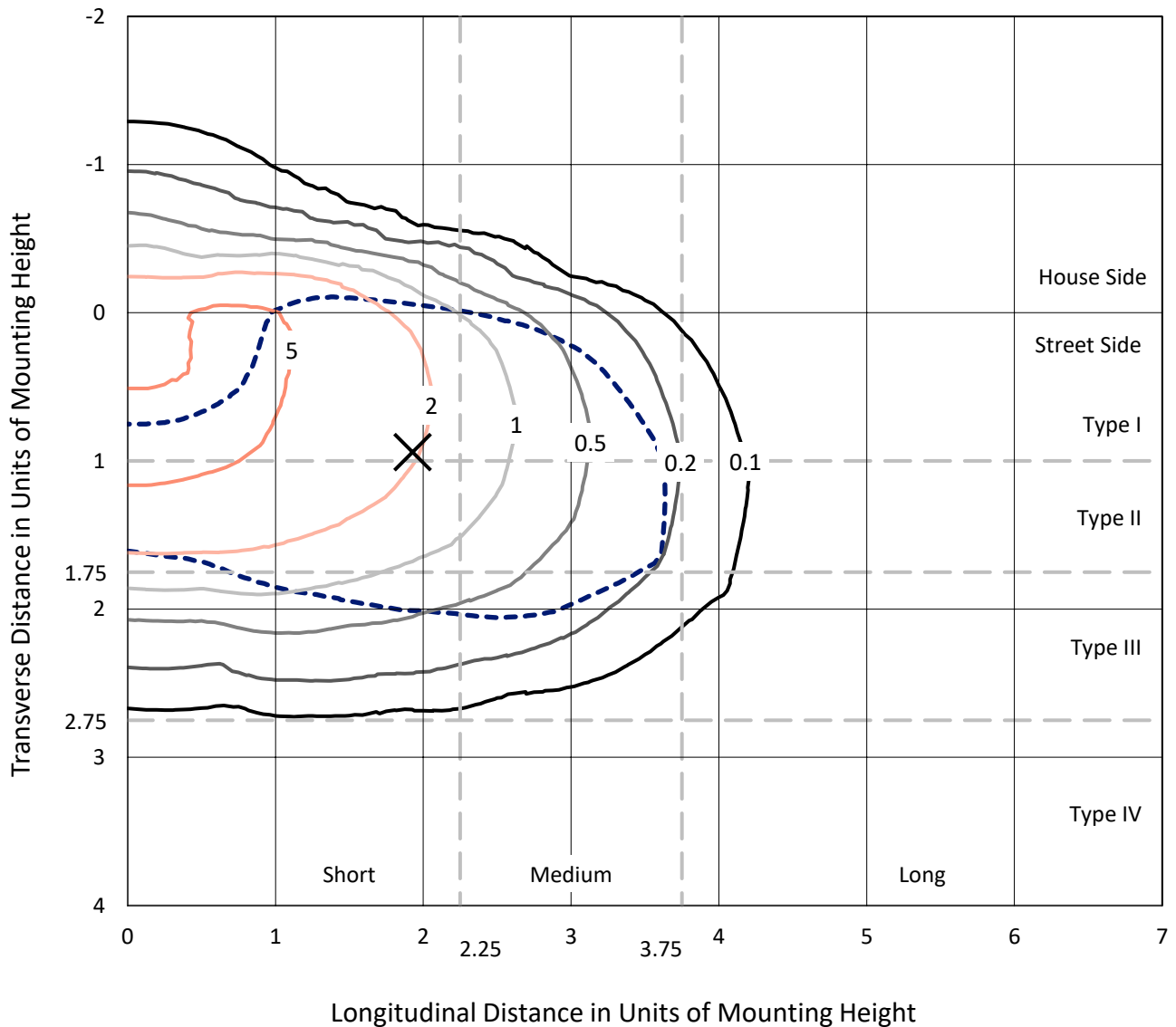
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

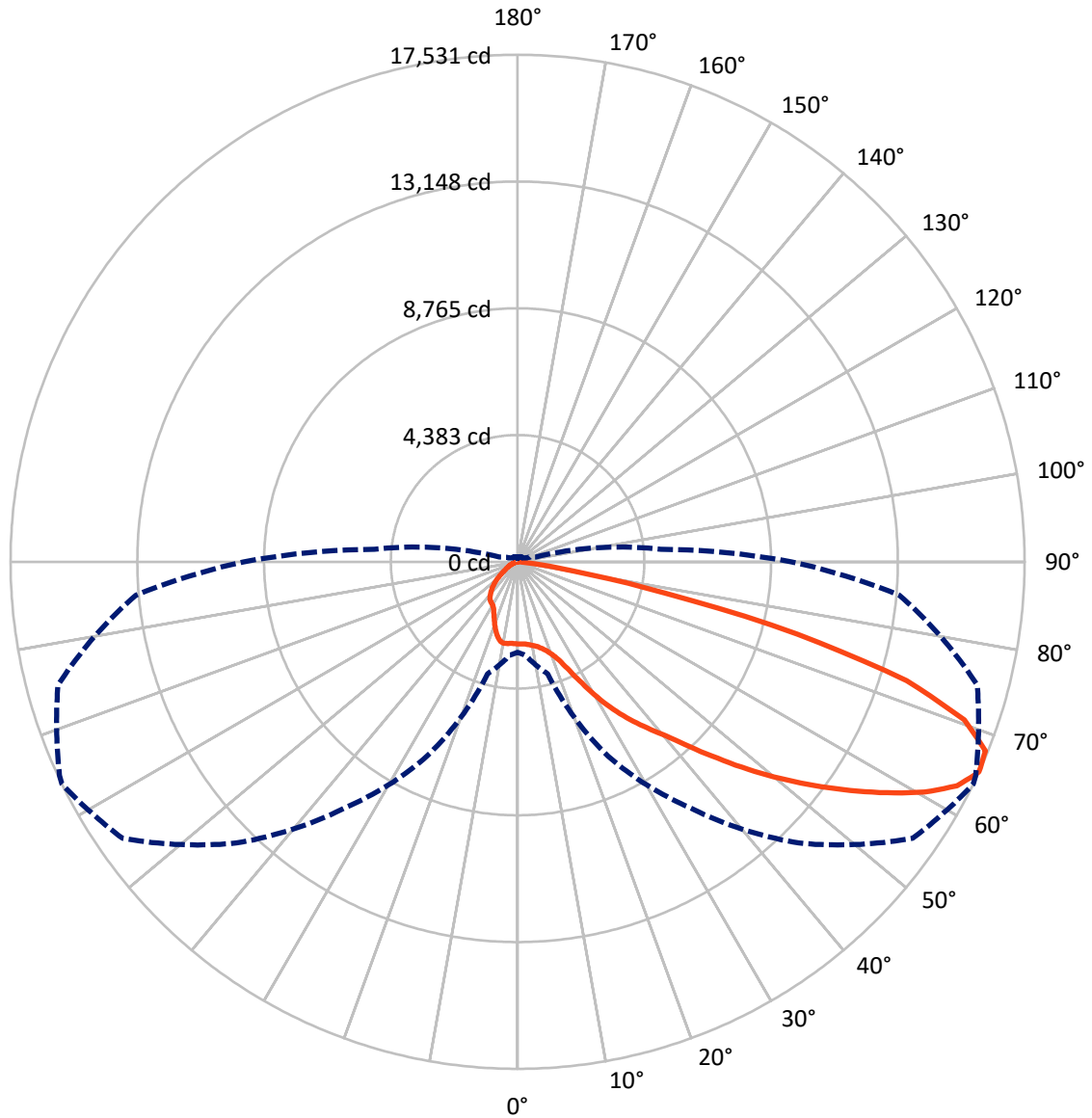
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	3266.5	0.0	3266.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21159.5	0.0	21159.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	24426.0	0.0	24426.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.1	1.1
10°-20°	710.9	2.9
20°-30°	1347.1	5.5
30°-40°	2726.0	11.2
40°-50°	4643.7	19.0
50°-60°	6315.1	25.9
60°-70°	5930.2	24.3
70°-80°	2375.9	9.7
80°-90°	115.1	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°	24426.0	100.0
0°-180°	24426.0	100.0

Coefficient of Utilization



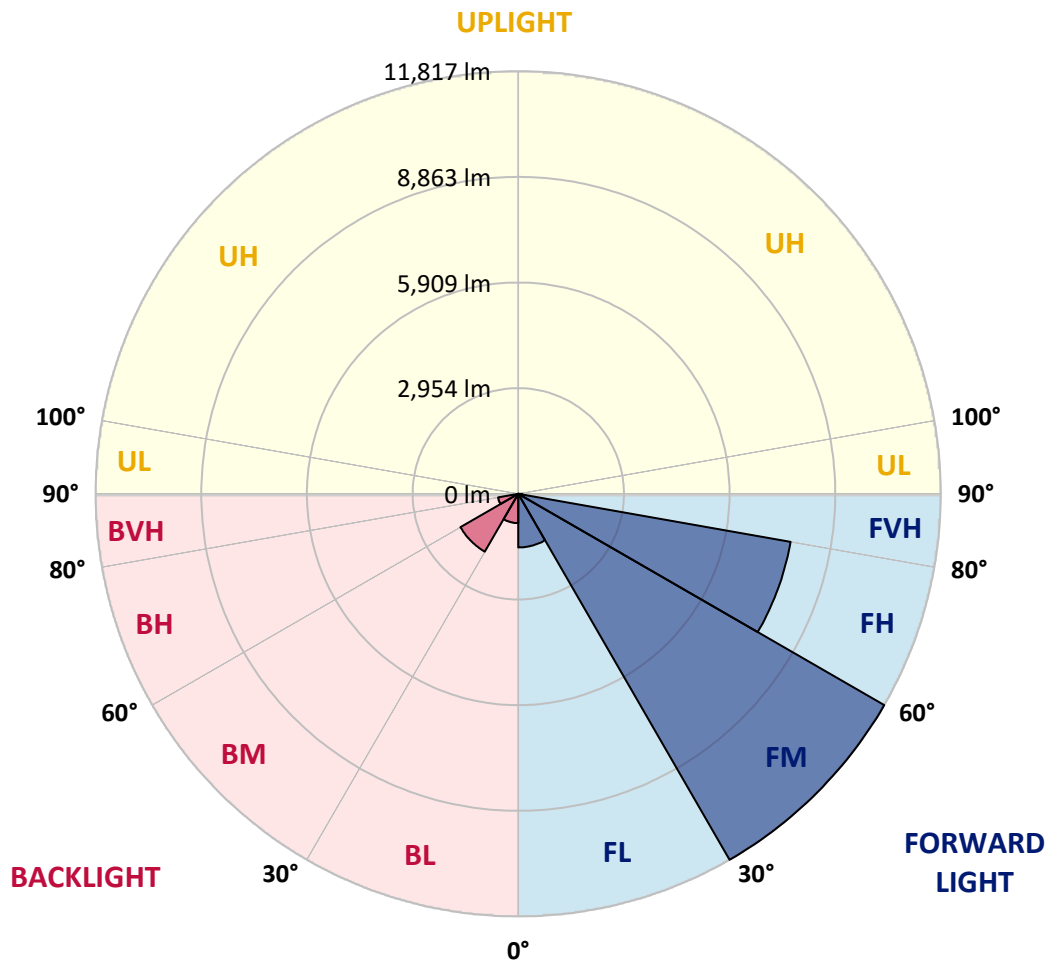
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.0	6.1			
FM (30°-60°)	11817.3	48.4			
FH (60°-80°)	7732.7	31.7			G4/12000
FVH (80°-90°)	109.5	0.4			G2/225
BL (0°-30°)	820.1	3.4	B2/1000		
BM (30°-60°)	1867.4	7.6	B2/2500		
BH (60°-80°)	573.3	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0
2.5°	2831.2	2850.8	2845.9	2841.0	2839.4	2842.6	2844.3	2842.6	2842.6	2842.6
5°	2777.1	2793.5	2793.5	2805.0	2821.3	2841.0	2855.7	2859.0	2862.3	2867.2
7.5°	2674.0	2687.1	2696.9	2734.6	2775.5	2827.9	2872.1	2895.0	2898.3	2916.3
10°	2603.6	2619.9	2636.3	2675.6	2734.6	2813.2	2888.5	2944.2	2952.3	2994.9
12.5°	2600.3	2616.7	2638.0	2680.5	2749.3	2832.8	2924.5	3004.7	3019.5	3081.7
15°	2634.7	2654.3	2674.0	2726.4	2800.1	2901.6	2999.8	3099.7	3114.5	3202.9
17.5°	2705.1	2731.3	2746.0	2798.4	2877.0	2990.0	3119.4	3234.0	3247.1	3350.2
20°	2844.3	2875.4	2880.3	2922.9	2999.8	3121.0	3274.9	3417.4	3433.8	3551.7
22.5°	3132.5	3176.7	3137.4	3158.7	3227.4	3348.6	3515.6	3695.8	3718.7	3852.9
25°	3640.1	3702.3	3600.8	3564.8	3594.2	3720.3	3929.9	4157.5	4183.7	4291.8
27.5°	4637.3	4557.1	4403.1	4252.5	4164.1	4236.1	4471.9	4753.6	4786.3	4891.1
30°	5732.8	5662.3	5454.4	5120.3	4910.8	4899.3	5117.1	5431.5	5469.1	5569.0
32.5°	6829.9	6762.7	6536.8	6125.7	5762.2	5582.1	5732.8	6081.5	6101.2	6165.0
35°	7908.9	7840.2	7614.2	7193.4	6746.3	6337.0	6307.5	6700.5	6707.0	6774.2
37.5°	8994.6	8937.3	8696.6	8283.9	7843.4	7278.5	7005.1	7286.7	7294.9	7360.4
40°	9769.1	9793.7	9628.3	9309.0	8930.7	8313.4	7787.8	7910.6	7861.5	7971.2
42.5°	10433.9	10483.0	10338.9	10178.5	9959.0	9415.4	8757.1	8735.9	8657.3	8716.2
45°	11008.7	11049.6	10920.2	10882.6	10877.7	10496.1	9816.6	9688.9	9579.2	9567.7
47.5°	11219.9	11298.5	11354.2	11480.2	11725.9	11565.4	10912.1	10713.9	10591.1	10501.0
50°	11300.1	11383.6	11573.6	11940.4	12521.7	12590.4	12002.6	11779.9	11629.3	11465.5
52.5°	11192.1	11341.1	11596.5	12213.8	13057.1	13412.5	13048.9	12854.1	12682.1	12415.2
55°	10555.1	10704.1	11226.4	12210.6	13324.0	13988.8	14038.0	13951.2	13758.0	13337.1
57.5°	9212.4	9433.4	10260.3	11794.6	13319.1	14485.0	15007.3	15069.6	14853.4	14250.8
60°	7352.2	7651.9	8660.5	10872.8	12908.1	14753.5	15857.2	16168.3	15939.1	15151.4
62.5°	5130.2	5477.3	6432.0	9428.5	11968.2	14560.3	16477.8	17052.5	16879.0	15957.1
65°	3129.2	3240.5	4010.1	7419.3	10370.1	13751.4	16669.4	17530.7	17473.4	16449.9
67.5°	2084.5	2177.8	2398.9	5087.6	8049.8	12135.2	16210.9	17447.2	17463.5	16369.7
70°	1255.9	1336.2	1480.3	2958.9	5217.0	9605.4	14791.2	16382.8	16477.8	15297.2
72.5°	517.4	571.5	702.5	1341.1	2701.8	6096.3	11778.3	14065.8	14286.9	12862.3
75°	293.1	320.9	412.6	673.0	1172.4	2841.0	7134.4	9985.2	10311.1	8865.2
77.5°	194.9	208.0	266.9	435.6	659.9	969.4	3049.0	5202.2	5824.5	4842.0
80°	131.0	142.5	183.4	291.5	429.0	415.9	971.0	1927.3	2371.0	1663.7
82.5°	88.4	90.1	131.0	191.6	271.8	201.4	286.6	599.3	753.2	481.4
85°	50.8	49.1	96.6	111.3	121.2	83.5	86.8	180.1	235.8	203.0
87.5°	6.5	9.8	37.7	29.5	16.4	18.0	18.0	31.1	45.8	49.1
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°
2841.0	0°	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0	2841.0
2844.3	2.5°	2844.3	2842.6	2837.7	2832.8	2821.3	2814.8	2818.1	2814.8	2813.2	2814.8
2865.6	5°	2865.6	2860.6	2847.5	2831.2	2808.2	2780.4	2762.4	2736.2	2711.6	2696.9
2922.9	7.5°	2922.9	2918.0	2899.9	2854.1	2780.4	2664.2	2557.7	2464.4	2394.0	2353.0
3014.6	10°	3014.6	3006.4	2978.5	2877.0	2683.8	2430.0	2218.8	2043.6	1928.9	1874.9
3122.6	12.5°	3122.6	3112.8	3063.7	2855.7	2500.4	2104.1	1812.7	1617.8	1511.4	1463.9
3247.1	15°	3250.4	3237.3	3140.7	2754.2	2233.5	1743.9	1477.0	1331.3	1262.5	1219.9
3405.9	17.5°	3409.2	3386.3	3198.0	2601.9	1943.7	1468.8	1270.7	1161.0	1100.4	1059.4
3613.9	20°	3615.5	3577.9	3243.8	2420.2	1676.8	1295.2	1131.5	1039.8	993.9	957.9
3908.6	22.5°	3903.7	3849.7	3299.5	2223.7	1488.5	1175.7	1028.3	961.2	923.5	882.6
4319.6	25°	4260.7	4196.8	3368.3	2041.9	1359.1	1072.5	953.0	897.3	853.1	805.6
4858.4	27.5°	4760.1	4645.5	3450.1	1892.9	1247.7	984.1	884.2	822.0	771.2	731.9
5469.1	30°	5316.8	5128.5	3522.2	1802.8	1146.2	902.2	794.2	731.9	684.5	656.6
6017.7	32.5°	5844.1	5588.7	3569.7	1763.5	1054.5	808.9	695.9	628.8	592.8	584.6
6554.8	35°	6341.9	6004.6	3564.8	1725.9	972.7	715.6	599.3	530.5	502.7	507.6
7132.8	37.5°	6915.0	6448.3	3530.4	1666.9	905.5	630.4	515.8	455.2	430.7	432.3
7835.3	40°	7581.5	6960.9	3509.1	1555.6	831.8	551.8	447.0	397.9	379.9	373.3
8575.4	42.5°	8292.1	7457.0	3512.4	1429.5	740.1	481.4	399.5	358.6	342.2	337.3
9399.0	45°	9006.0	7930.2	3517.3	1298.5	643.5	427.4	365.2	330.8	320.9	314.4
10234.1	47.5°	9677.4	8333.0	3425.6	1157.7	548.5	386.4	337.3	314.4	306.2	298.0
11072.5	50°	10302.9	8601.6	3204.5	993.9	473.2	353.7	316.0	299.7	291.5	283.3
11832.3	52.5°	10789.2	8644.2	2839.4	825.3	420.8	329.1	302.9	288.2	278.4	270.2
12446.4	55°	11005.4	8377.3	2320.3	668.1	379.9	307.8	289.8	275.1	263.6	255.4
12929.4	57.5°	10949.7	7815.6	1809.4	537.1	340.6	286.6	273.5	263.6	250.5	237.4
13320.8	60°	10676.3	7064.0	1364.0	447.0	304.6	263.6	255.4	247.3	229.2	209.6
13471.4	62.5°	10203.0	6119.2	972.7	370.1	265.3	237.4	234.2	227.6	201.4	165.4
13248.7	65°	9479.3	4971.3	655.0	307.8	227.6	208.0	209.6	198.1	163.7	122.8
12433.3	67.5°	8421.5	3635.2	419.2	252.2	189.9	173.6	175.2	168.7	139.2	104.8
10887.5	70°	7073.8	2407.1	273.5	191.6	152.3	134.3	144.1	145.7	117.9	85.1
8356.0	72.5°	5185.8	1421.3	191.6	142.5	111.3	93.3	117.9	121.2	95.0	63.9
5027.0	75°	2955.6	674.6	144.1	103.2	68.8	65.5	91.7	91.7	65.5	42.6
2176.2	77.5°	1241.2	281.6	101.5	67.1	39.3	37.7	62.2	57.3	32.7	19.6
530.5	80°	358.6	126.1	54.0	32.7	16.4	14.7	24.6	18.0	8.2	3.3
201.4	82.5°	140.8	55.7	21.3	13.1	6.5	6.5	3.3	0.0	0.0	0.0
114.6	85°	83.5	22.9	9.8	4.9	1.6	0.0	0.0	0.0	0.0	0.0
24.6	87.5°	21.3	4.9	3.3	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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2841.0
2821.3
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