

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: P850477

Luminaire Tested: **GLAN-SB8A-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850477
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-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 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: 27480 lumens
Efficiency: N/A
Efficacy: 121.0 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

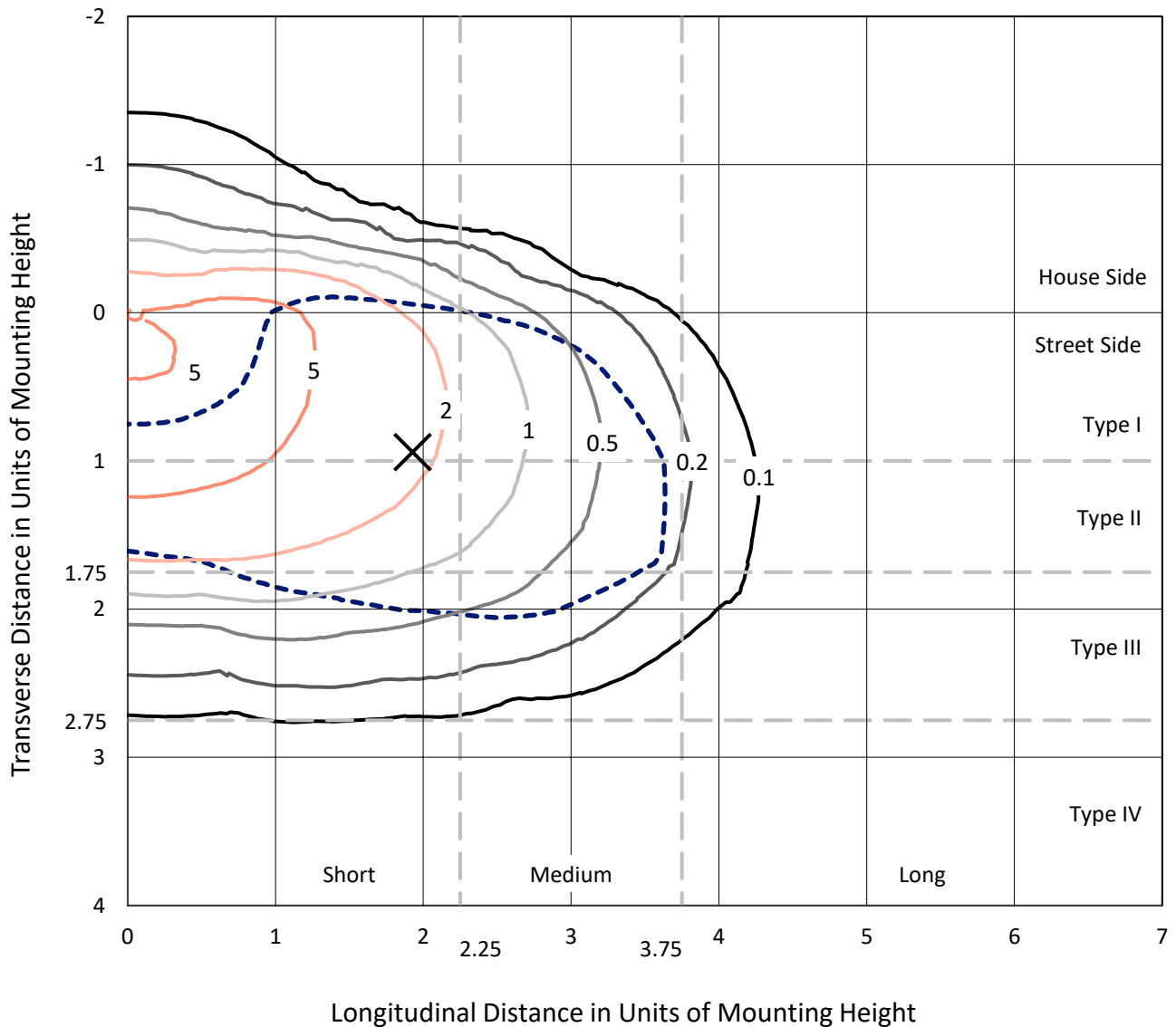
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

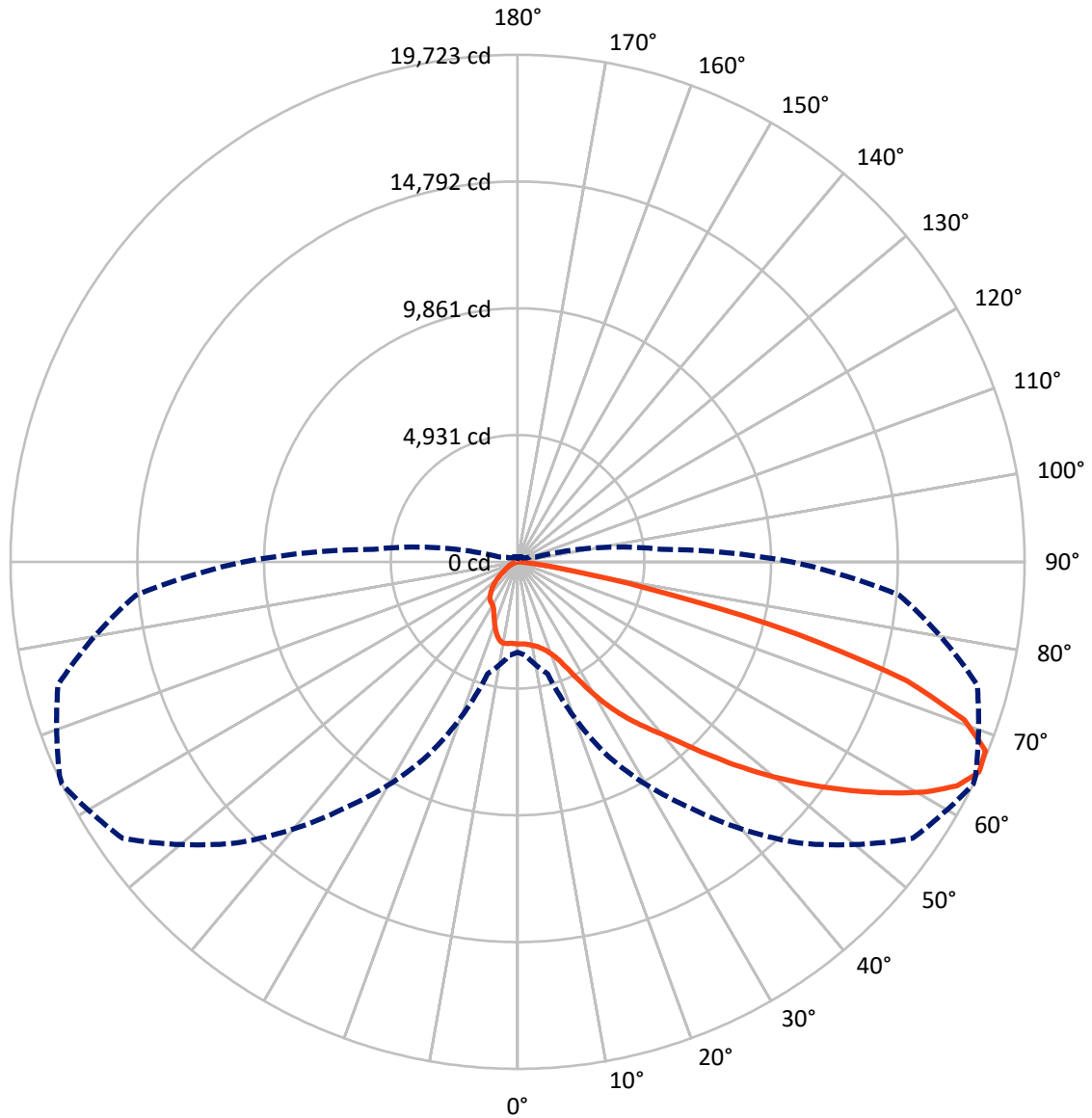
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	3674.9	0.0	3674.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	23805.1	0.0	23805.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	27480.0	0.0	27480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.9	1.1
10°-20°	799.8	2.9
20°-30°	1515.6	5.5
30°-40°	3066.8	11.2
40°-50°	5224.3	19.0
50°-60°	7104.6	25.9
60°-70°	6671.6	24.3
70°-80°	2672.9	9.7
80°-90°	129.5	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°	27480.0	100.0
0°-180°	27480.0	100.0

Coefficient of Utilization



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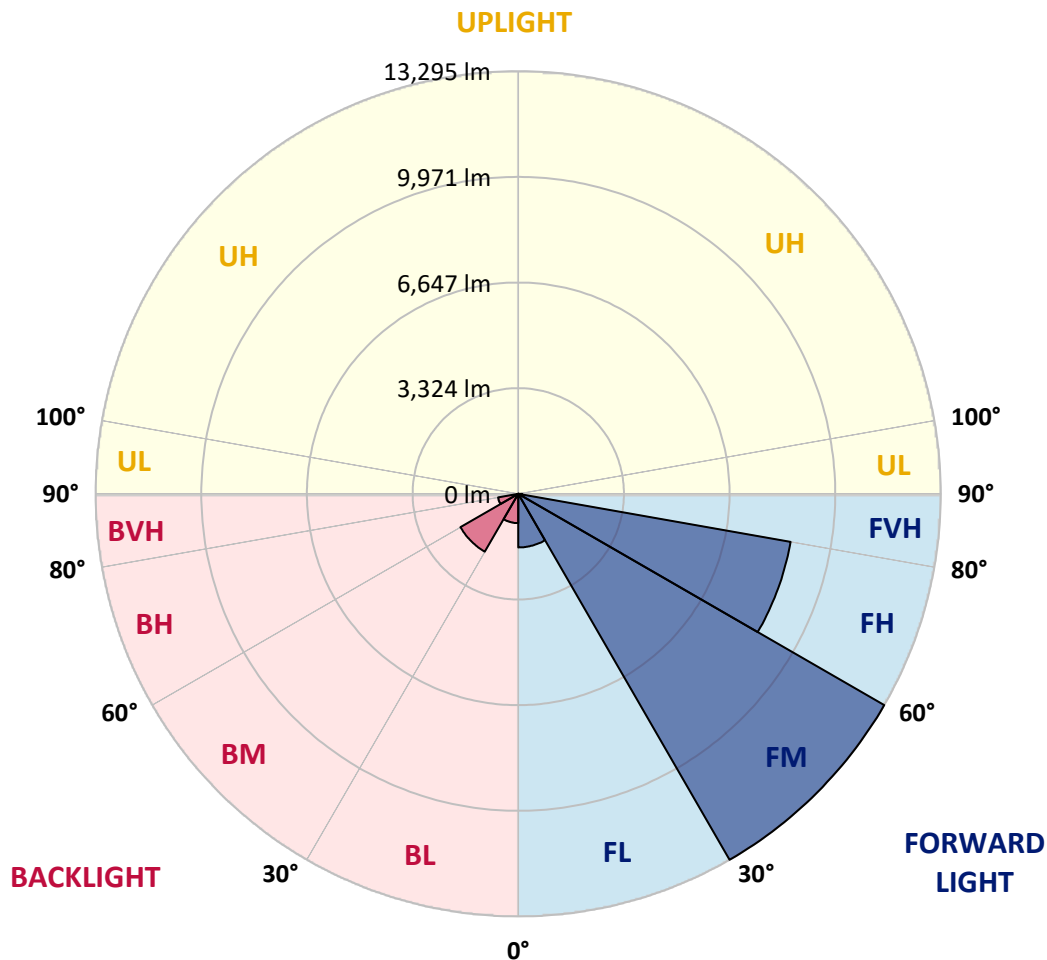
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1687.6	6.1			
FM (30°-60°)	13294.8	48.4			
FH (60°-80°)	8699.5	31.7			G4/12000
FVH (80°-90°)	123.2	0.4			G2/225
BL (0°-30°)	922.7	3.4	B2/1000		
BM (30°-60°)	2100.9	7.6	B2/2500		
BH (60°-80°)	645.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.3	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°	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2
2.5°	3185.2	3207.3	3201.7	3196.2	3194.4	3198.1	3199.9	3198.1	3198.1	3198.1
5°	3124.4	3142.8	3142.8	3155.7	3174.1	3196.2	3212.8	3216.5	3220.2	3225.7
7.5°	3008.3	3023.0	3034.1	3076.5	3122.5	3181.5	3231.2	3257.0	3260.7	3281.0
10°	2929.1	2947.5	2965.9	3010.1	3076.5	3164.9	3249.6	3312.3	3321.5	3369.4
12.5°	2925.4	2943.8	2967.8	3015.7	3093.0	3187.0	3290.2	3380.4	3397.0	3467.0
15°	2964.1	2986.2	3008.3	3067.3	3150.2	3264.4	3374.9	3487.3	3503.9	3603.3
17.5°	3043.3	3072.8	3089.4	3148.3	3236.7	3363.8	3509.4	3638.3	3653.1	3769.1
20°	3199.9	3234.9	3240.4	3288.3	3374.9	3511.2	3684.4	3844.7	3863.1	3995.7
22.5°	3524.1	3573.9	3529.6	3553.6	3631.0	3767.3	3955.2	4157.8	4183.6	4334.7
25°	4095.2	4165.2	4051.0	4010.5	4043.6	4185.5	4421.3	4677.3	4706.8	4828.4
27.5°	5217.1	5126.8	4953.7	4784.2	4684.7	4765.8	5031.0	5347.9	5384.7	5502.6
30°	6449.5	6370.3	6136.4	5760.5	5524.7	5511.8	5756.9	6110.6	6152.9	6265.3
32.5°	7683.8	7608.3	7354.0	6891.7	6482.7	6280.0	6449.5	6841.9	6864.0	6935.9
35°	8897.8	8820.4	8566.2	8092.8	7589.8	7129.3	7096.1	7538.3	7545.6	7621.2
37.5°	10119.2	10054.7	9783.9	9319.7	8824.1	8188.6	7880.9	8197.8	8207.0	8280.7
40°	10990.5	11018.2	10832.1	10472.9	10047.3	9352.8	8761.5	8899.6	8844.4	8967.8
42.5°	11738.5	11793.7	11631.6	11451.1	11204.2	10592.6	9852.1	9828.1	9739.7	9806.0
45°	12385.1	12431.1	12285.6	12243.2	12237.7	11808.5	11044.0	10900.3	10776.8	10763.9
47.5°	12622.7	12711.1	12773.8	12915.6	13192.0	13011.4	12276.4	12053.5	11915.3	11814.0
50°	12713.0	12806.9	13020.6	13433.3	14087.3	14164.6	13503.3	13252.8	13083.3	12899.1
52.5°	12591.4	12759.0	13046.4	13740.9	14689.7	15089.4	14680.5	14461.2	14267.8	13967.5
55°	11874.8	12042.4	12630.1	13737.3	14989.9	15737.9	15793.1	15695.5	15478.1	15004.7
57.5°	10364.2	10612.9	11543.2	13269.3	14984.4	16296.1	16883.7	16953.7	16710.6	16032.6
60°	8271.5	8608.6	9743.4	12232.2	14522.0	16598.2	17839.8	18189.8	17931.9	17045.8
62.5°	5771.6	6162.1	7236.1	10607.4	13464.6	16380.8	18538.0	19184.6	18989.4	17952.2
65°	3520.4	3645.7	4511.5	8347.0	11666.6	15470.8	18753.6	19722.5	19658.1	18506.7
67.5°	2345.1	2450.1	2698.8	5723.7	9056.2	13652.5	18237.7	19628.6	19647.0	18416.4
70°	1413.0	1503.2	1665.3	3328.8	5869.2	10806.3	16640.6	18431.2	18538.0	17209.8
72.5°	582.1	642.9	790.3	1508.8	3039.6	6858.5	13250.9	15824.5	16073.2	14470.4
75°	329.8	361.1	464.2	757.1	1319.0	3196.2	8026.4	11233.7	11600.3	9973.6
77.5°	219.2	234.0	300.3	490.0	742.4	1090.6	3430.2	5852.7	6552.7	5447.4
80°	147.4	160.3	206.3	327.9	482.7	467.9	1092.4	2168.3	2667.5	1871.7
82.5°	99.5	101.3	147.4	215.5	305.8	226.6	322.4	674.2	847.4	541.6
85°	57.1	55.3	108.7	125.3	136.3	94.0	97.6	202.6	265.3	228.4
87.5°	7.4	11.1	42.4	33.2	18.4	20.3	20.3	35.0	51.6	55.3
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°
3196.2	0°	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2	3196.2
3199.9	2.5°	3199.9	3198.1	3192.5	3187.0	3174.1	3166.7	3170.4	3166.7	3164.9	3166.7
3223.8	5°	3223.8	3218.3	3203.6	3185.2	3159.4	3128.0	3107.8	3078.3	3050.7	3034.1
3288.3	7.5°	3288.3	3282.8	3262.5	3210.9	3128.0	2997.3	2877.5	2772.5	2693.3	2647.2
3391.5	10°	3391.5	3382.3	3351.0	3236.7	3019.4	2733.8	2496.2	2299.1	2170.1	2109.3
3513.1	12.5°	3513.1	3502.0	3446.7	3212.8	2813.0	2367.2	2039.3	1820.1	1700.3	1646.9
3653.1	15°	3656.8	3642.0	3533.3	3098.6	2512.8	1961.9	1661.7	1497.7	1420.3	1372.4
3831.8	17.5°	3835.5	3809.7	3597.8	2927.2	2186.7	1652.4	1429.5	1306.1	1238.0	1191.9
4065.7	20°	4067.6	4025.2	3649.4	2722.8	1886.4	1457.2	1273.0	1169.8	1118.2	1077.7
4397.3	22.5°	4391.8	4331.0	3712.0	2501.7	1674.6	1322.7	1156.9	1081.4	1039.0	992.9
4859.7	25°	4793.4	4721.5	3789.4	2297.2	1529.0	1206.6	1072.2	1009.5	959.8	906.4
5465.8	27.5°	5355.3	5226.3	3881.5	2129.6	1403.8	1107.2	994.8	924.8	867.7	823.5
6152.9	30°	5981.6	5769.8	3962.6	2028.3	1289.5	1015.0	893.5	823.5	770.0	738.7
6770.1	32.5°	6574.8	6287.4	4016.0	1984.0	1186.4	910.0	782.9	707.4	666.9	657.7
7374.3	35°	7134.8	6755.3	4010.5	1941.7	1094.3	805.0	674.2	596.9	565.6	571.1
8024.6	37.5°	7779.6	7254.6	3971.8	1875.4	1018.7	709.2	580.3	512.1	484.5	486.3
8814.9	40°	8529.4	7831.2	3947.8	1750.1	935.8	620.8	502.9	447.7	427.4	420.0
9647.6	42.5°	9328.9	8389.4	3951.5	1608.2	832.7	541.6	449.5	403.4	385.0	379.5
10574.2	45°	10132.1	8921.8	3957.0	1460.9	724.0	480.8	410.8	372.1	361.1	353.7
11513.7	47.5°	10887.4	9374.9	3853.9	1302.4	617.1	434.8	379.5	353.7	344.5	335.3
12456.9	50°	11591.1	9677.1	3605.2	1118.2	532.4	397.9	355.5	337.1	327.9	318.7
13311.7	52.5°	12138.2	9725.0	3194.4	928.5	473.4	370.3	340.8	324.2	313.2	304.0
14002.5	55°	12381.4	9424.7	2610.4	751.6	427.4	346.3	326.1	309.5	296.6	287.4
14546.0	57.5°	12318.8	8792.8	2035.6	604.2	383.2	322.4	307.6	296.6	281.9	267.1
14986.3	60°	12011.1	7947.2	1534.5	502.9	342.6	296.6	287.4	278.2	257.9	235.8
15155.7	62.5°	11478.7	6884.3	1094.3	416.3	298.4	267.1	263.4	256.1	226.6	186.1
14905.2	65°	10664.5	5592.9	736.9	346.3	256.1	234.0	235.8	222.9	184.2	138.2
13987.8	67.5°	9474.4	4089.7	471.6	283.7	213.7	195.3	197.1	189.7	156.6	117.9
12248.8	70°	7958.3	2708.0	307.6	215.5	171.3	151.1	162.1	164.0	132.6	95.8
9400.7	72.5°	5834.2	1599.0	215.5	160.3	125.3	105.0	132.6	136.3	106.8	71.8
5655.5	75°	3325.2	759.0	162.1	116.1	77.4	73.7	103.2	103.2	73.7	47.9
2448.3	77.5°	1396.4	316.9	114.2	75.5	44.2	42.4	70.0	64.5	36.8	22.1
596.9	80°	403.4	141.8	60.8	36.8	18.4	16.6	27.6	20.3	9.2	3.7
226.6	82.5°	158.4	62.6	23.9	14.7	7.4	7.4	3.7	0.0	0.0	0.0
129.0	85°	94.0	25.8	11.1	5.5	1.8	0.0	0.0	0.0	0.0	0.0
27.6	87.5°	23.9	5.5	3.7	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°
3196.2
3174.1
3037.8
2649.1
2103.8
1641.4
1374.3
1188.2
1070.3
985.6
900.8
814.3
733.2
663.2
571.1
493.7
418.2
377.7
353.7
335.3
318.7
302.1
285.5
265.3
232.1
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112.4
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68.2
44.2
22.1
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