

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: P849547

Luminaire Tested: **GLAN-SB6C-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849547
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-SB6C-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 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: 30583 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

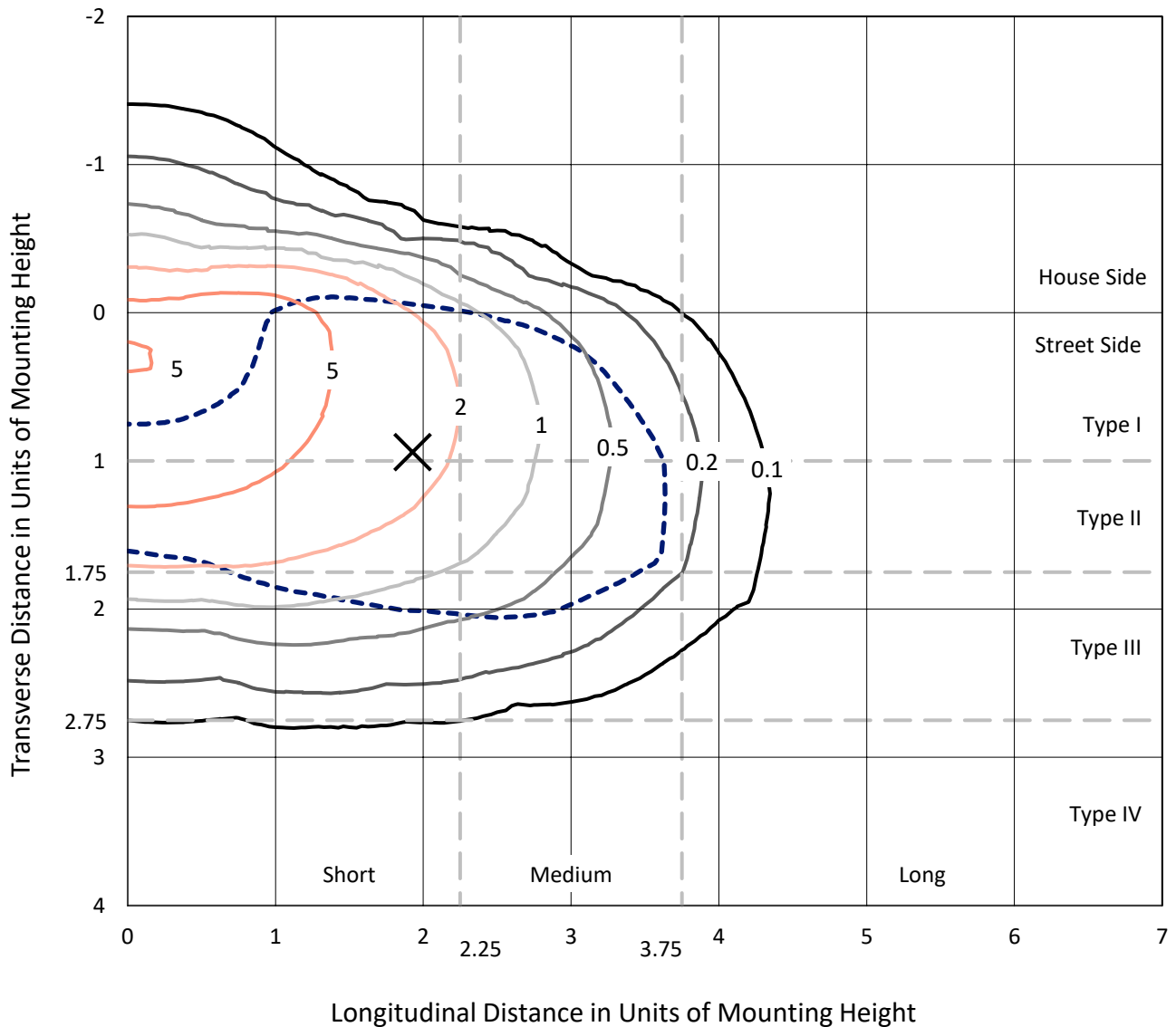
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

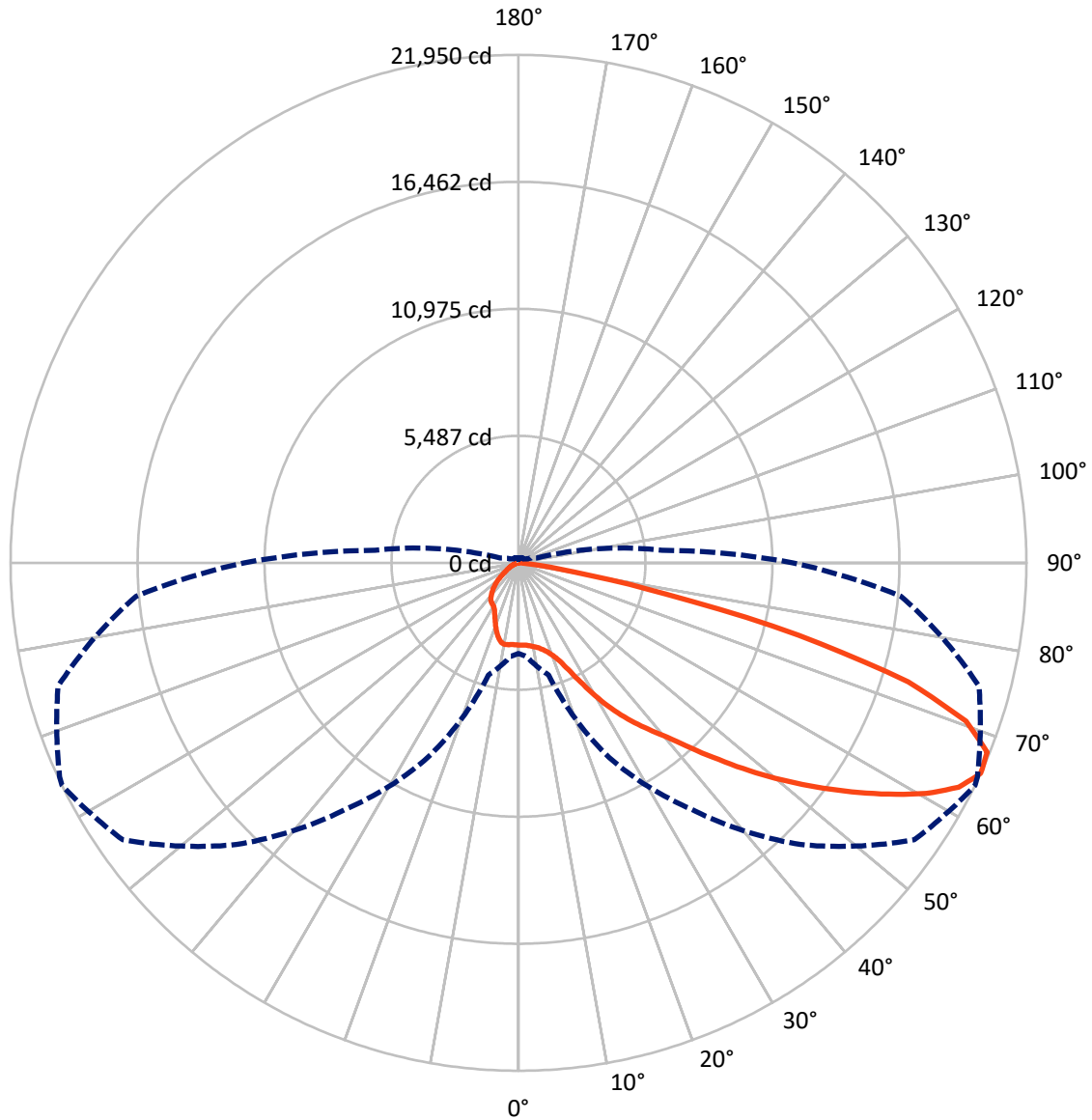
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	4089.9	0.0	4089.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26493.1	0.0	26493.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	30583.0	0.0	30583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.2	1.1
10°-20°	890.1	2.9
20°-30°	1686.7	5.5
30°-40°	3413.1	11.2
40°-50°	5814.2	19.0
50°-60°	7906.9	25.9
60°-70°	7425.0	24.3
70°-80°	2974.8	9.7
80°-90°	144.1	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°	30583.0	100.0
0°-180°	30583.0	100.0

Coefficient of Utilization



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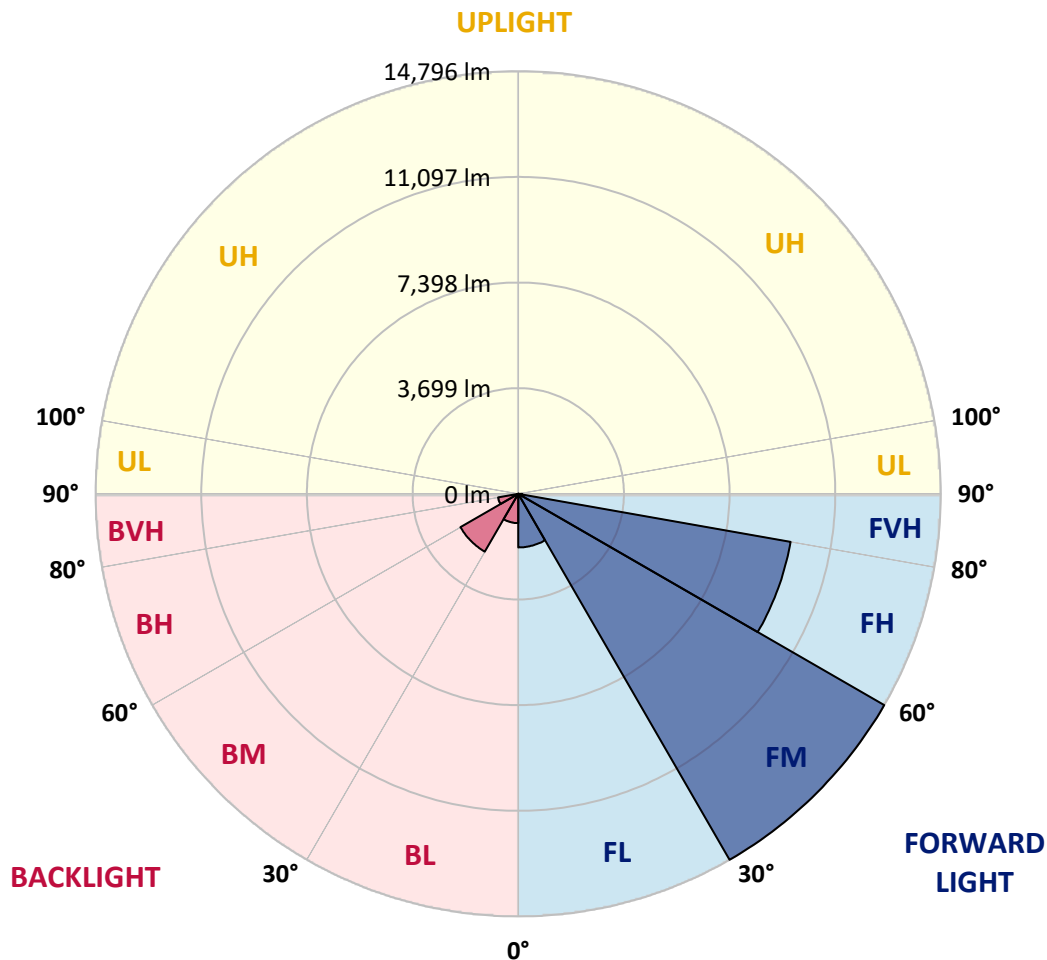
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1878.1	6.1			
FM (30°-60°)	14796.0	48.4			
FH (60°-80°)	9681.9	31.7			G4/12000
FVH (80°-90°)	137.1	0.4			G2/225
BL (0°-30°)	1026.8	3.4	B3/2500		
BM (30°-60°)	2338.1	7.6	B2/2500		
BH (60°-80°)	717.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.0	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°	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1
2.5°	3544.8	3569.4	3563.3	3557.1	3555.1	3559.2	3561.2	3559.2	3559.2	3559.2
5°	3477.2	3497.7	3497.7	3512.0	3532.5	3557.1	3575.6	3579.7	3583.8	3589.9
7.5°	3348.0	3364.4	3376.7	3423.9	3475.1	3540.7	3596.1	3624.8	3628.9	3651.4
10°	3259.8	3280.3	3300.8	3350.0	3423.9	3522.3	3616.6	3686.3	3696.5	3749.8
12.5°	3255.7	3276.2	3302.9	3356.2	3442.3	3546.9	3661.7	3762.1	3780.6	3858.5
15°	3298.8	3323.4	3348.0	3413.6	3505.9	3633.0	3756.0	3881.1	3899.5	4010.2
17.5°	3387.0	3419.8	3438.2	3503.8	3602.2	3743.7	3905.7	4049.2	4065.6	4194.7
20°	3561.2	3600.2	3606.3	3659.6	3756.0	3907.7	4100.4	4278.8	4299.3	4446.9
22.5°	3922.1	3977.4	3928.2	3954.9	4041.0	4192.7	4401.8	4627.3	4656.0	4824.2
25°	4557.6	4635.5	4508.4	4463.3	4500.2	4658.1	4920.5	5205.5	5238.3	5373.6
27.5°	5806.2	5705.7	5513.0	5324.4	5213.7	5303.9	5599.1	5951.8	5992.8	6124.0
30°	7177.8	7089.6	6829.3	6411.0	6148.6	6134.2	6406.9	6800.6	6847.7	6972.8
32.5°	8551.4	8467.4	8184.5	7669.8	7214.7	6989.2	7177.8	7614.5	7639.1	7719.1
35°	9902.5	9816.4	9533.5	9006.6	8446.9	7934.3	7897.4	8389.5	8397.7	8481.7
37.5°	11261.8	11190.1	10888.7	10372.0	9820.5	9113.2	8770.8	9123.5	9133.7	9215.7
40°	12231.6	12262.3	12055.3	11655.5	11181.9	10408.9	9750.8	9904.6	9843.1	9980.4
42.5°	13064.0	13125.5	12945.0	12744.1	12469.4	11788.7	10964.5	10937.9	10839.5	10913.3
45°	13783.6	13834.8	13672.9	13625.7	13619.6	13141.9	12291.0	12131.1	11993.7	11979.4
47.5°	14048.1	14146.5	14216.2	14374.0	14681.6	14480.7	13662.6	13414.5	13260.8	13148.0
50°	14148.5	14253.1	14490.9	14950.2	15678.0	15764.1	15028.1	14749.2	14560.6	14355.6
52.5°	14013.2	14199.8	14519.6	15292.5	16348.4	16793.3	16338.2	16094.2	15878.9	15544.7
55°	13215.7	13402.2	14056.3	15288.4	16682.6	17515.0	17576.5	17467.8	17225.9	16699.0
57.5°	11534.5	11811.3	12846.6	14767.7	16676.4	18136.2	18790.2	18868.1	18597.5	17843.0
60°	9205.5	9580.6	10843.6	13613.4	16161.8	18472.4	19854.3	20243.8	19956.8	18970.6
62.5°	6423.3	6858.0	8053.2	11805.1	14985.0	18230.5	20631.3	21350.9	21133.6	19979.3
65°	3918.0	4057.4	5021.0	9289.5	12984.0	17217.7	20871.2	21949.6	21877.8	20596.4
67.5°	2609.9	2726.8	3003.6	6370.0	10078.8	15194.1	20297.1	21845.0	21865.5	20496.0
70°	1572.5	1673.0	1853.4	3704.7	6532.0	12026.6	18519.6	20512.4	20631.3	19153.1
72.5°	647.9	715.5	879.5	1679.1	3382.9	7632.9	14747.2	17611.3	17888.1	16104.4
75°	367.0	401.8	516.7	842.6	1468.0	3557.1	8932.8	12502.2	12910.2	11099.9
77.5°	244.0	260.4	334.2	545.4	826.2	1213.7	3817.5	6513.5	7292.6	6062.5
80°	164.0	178.4	229.6	364.9	537.2	520.8	1215.8	2413.1	2968.7	2083.0
82.5°	110.7	112.8	164.0	239.9	340.3	252.2	358.8	750.4	943.1	602.8
85°	63.6	61.5	121.0	139.4	151.7	104.6	108.7	225.5	295.2	254.2
87.5°	8.2	12.3	47.2	36.9	20.5	22.6	22.6	39.0	57.4	61.5
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°
3557.1	0°	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1	3557.1
3561.2	2.5°	3561.2	3559.2	3553.0	3546.9	3532.5	3524.3	3528.4	3524.3	3522.3	3524.3
3587.9	5°	3587.9	3581.7	3565.3	3544.8	3516.1	3481.3	3458.7	3425.9	3395.2	3376.7
3659.6	7.5°	3659.6	3653.5	3630.9	3573.5	3481.3	3335.7	3202.4	3085.6	2997.4	2946.2
3774.4	10°	3774.4	3764.2	3729.3	3602.2	3360.3	3042.5	2778.0	2558.7	2415.2	2347.5
3909.8	12.5°	3909.8	3897.5	3835.9	3575.6	3130.7	2634.5	2269.6	2025.6	1892.3	1832.9
4065.6	15°	4069.7	4053.3	3932.3	3448.5	2796.5	2183.5	1849.3	1666.8	1580.7	1527.4
4264.4	17.5°	4268.5	4239.8	4004.1	3257.8	2433.6	1839.0	1591.0	1453.6	1377.7	1326.5
4524.8	20°	4526.9	4479.7	4061.5	3030.2	2099.4	1621.7	1416.7	1301.9	1244.5	1199.4
4893.9	22.5°	4887.7	4820.1	4131.2	2784.2	1863.6	1472.1	1287.5	1203.5	1156.3	1105.1
5408.5	25°	5334.7	5254.7	4217.3	2556.6	1701.7	1342.9	1193.2	1123.5	1068.2	1008.7
6083.0	27.5°	5960.0	5816.5	4319.8	2370.0	1562.3	1232.2	1107.1	1029.2	965.7	916.4
6847.7	30°	6657.0	6421.3	4410.0	2257.3	1435.1	1129.7	994.4	916.4	857.0	822.1
7534.5	32.5°	7317.2	6997.4	4469.5	2208.1	1320.3	1012.8	871.3	787.3	742.2	731.9
8207.0	35°	7940.5	7518.1	4463.3	2160.9	1217.8	895.9	750.4	664.3	629.4	635.6
8930.7	37.5°	8658.1	8073.7	4420.3	2087.1	1133.8	789.3	645.8	570.0	539.2	541.3
9810.3	40°	9492.5	8715.5	4393.6	1947.7	1041.5	690.9	559.7	498.2	475.6	467.4
10737.0	42.5°	10382.3	9336.7	4397.7	1789.8	926.7	602.8	500.3	449.0	428.5	422.3
11768.2	45°	11276.2	9929.2	4403.9	1625.8	805.7	535.1	457.2	414.1	401.8	393.6
12813.8	47.5°	12116.8	10433.5	4289.0	1449.5	686.8	483.9	422.3	393.6	383.4	373.1
13863.5	50°	12899.9	10769.8	4012.3	1244.5	592.5	442.8	395.7	375.2	364.9	354.7
14814.8	52.5°	13508.9	10823.1	3555.1	1033.3	526.9	412.1	379.3	360.8	348.5	338.3
15583.7	55°	13779.5	10488.9	2905.2	836.5	475.6	385.4	362.9	344.4	330.1	319.8
16188.5	57.5°	13709.8	9785.7	2265.5	672.5	426.4	358.8	342.4	330.1	313.7	297.3
16678.5	60°	13367.4	8844.6	1707.8	559.7	381.3	330.1	319.8	309.6	287.0	262.4
16867.1	62.5°	12774.9	7661.6	1217.8	463.3	332.1	297.3	293.2	285.0	252.2	207.1
16588.3	65°	11868.7	6224.4	820.1	385.4	285.0	260.4	262.4	248.1	205.0	153.8
15567.3	67.5°	10544.2	4551.5	524.9	315.7	237.8	217.3	219.4	211.2	174.3	131.2
13631.9	70°	8856.9	3013.8	342.4	239.9	190.7	168.1	180.4	182.5	147.6	106.6
10462.2	72.5°	6493.0	1779.6	239.9	178.4	139.4	116.9	147.6	151.7	118.9	80.0
6294.2	75°	3700.6	844.7	180.4	129.2	86.1	82.0	114.8	114.8	82.0	53.3
2724.7	77.5°	1554.1	352.6	127.1	84.1	49.2	47.2	77.9	71.8	41.0	24.6
664.3	80°	449.0	157.9	67.7	41.0	20.5	18.5	30.8	22.6	10.3	4.1
252.2	82.5°	176.3	69.7	26.7	16.4	8.2	8.2	4.1	0.0	0.0	0.0
143.5	85°	104.6	28.7	12.3	6.2	2.1	0.0	0.0	0.0	0.0	0.0
30.8	87.5°	26.7	6.2	4.1	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°
3557.1
3532.5
3380.8
2948.2
2341.3
1826.7
1529.5
1322.4
1191.2
1096.9
1002.6
906.2
816.0
738.1
635.6
549.5
465.4
420.3
393.6
373.1
354.7
336.2
317.8
295.2
258.3
203.0
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125.1
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