

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: P850057

Luminaire Tested: **GLAN-SB7B-850-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850057  
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-SB7B-850-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

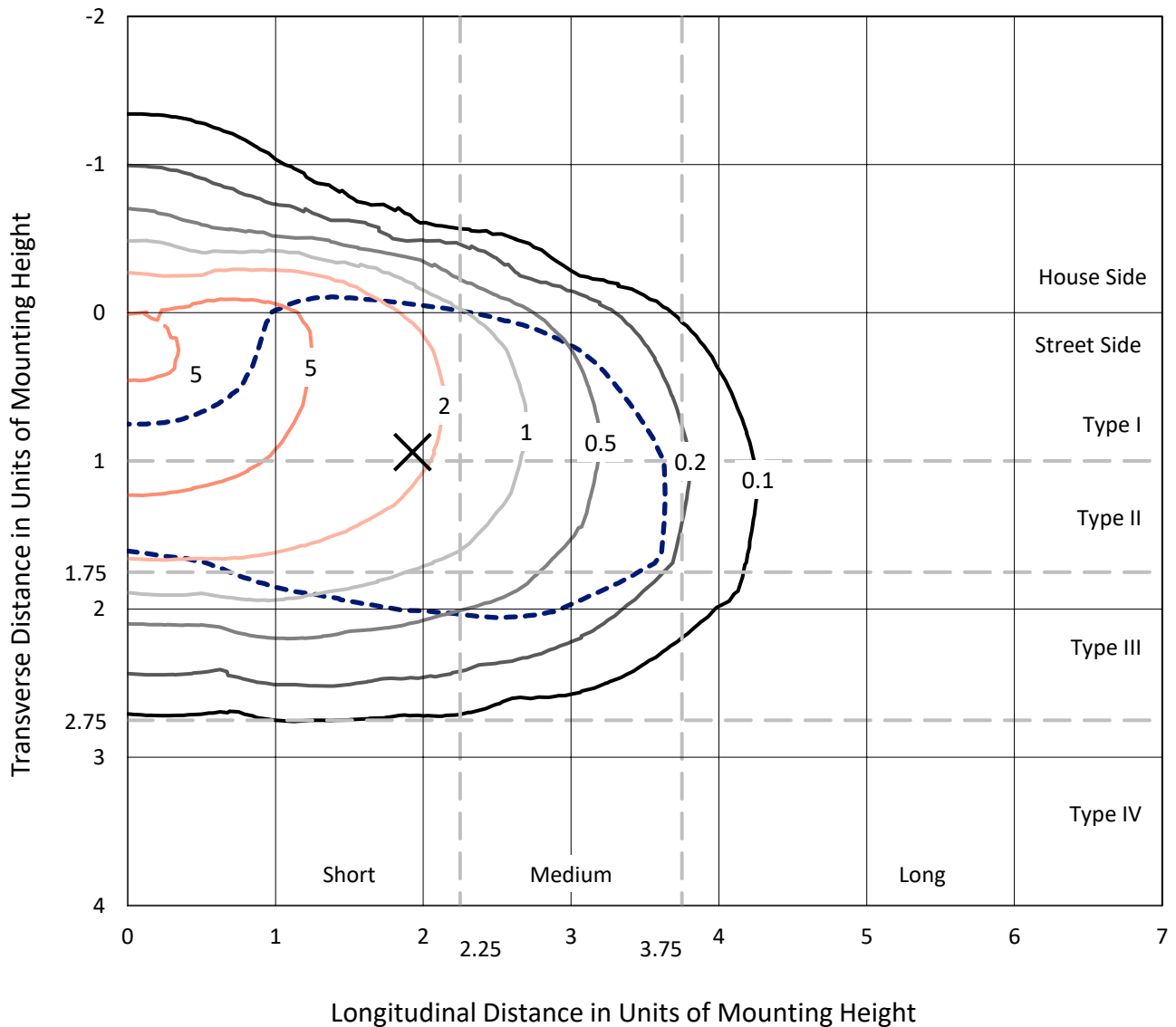
Lumens per Lamp: N/A  
Luminaire Lumens: 26968 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

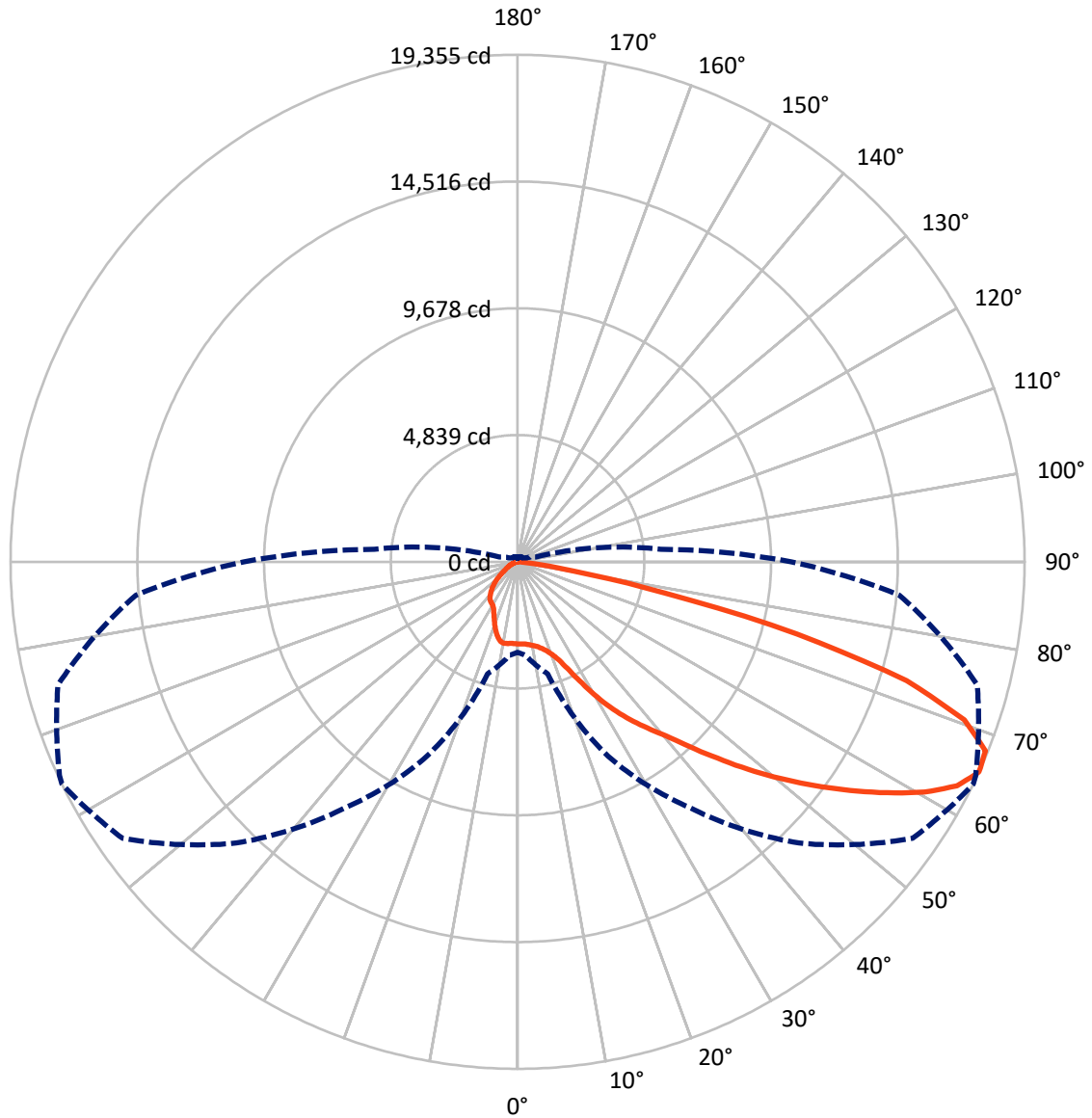
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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
<b>House Side</b>	Lumens	3606.4	0.0	3606.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	23361.6	0.0	23361.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	26968.0	0.0	26968.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.4	1.1
10°-20°	784.9	2.9
20°-30°	1487.3	5.5
30°-40°	3009.6	11.2
40°-50°	5127.0	19.0
50°-60°	6972.3	25.9
60°-70°	6547.3	24.3
70°-80°	2623.1	9.7
80°-90°	127.1	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°	26968.0	100.0
0°-180°	26968.0	100.0

**Coefficient of Utilization**



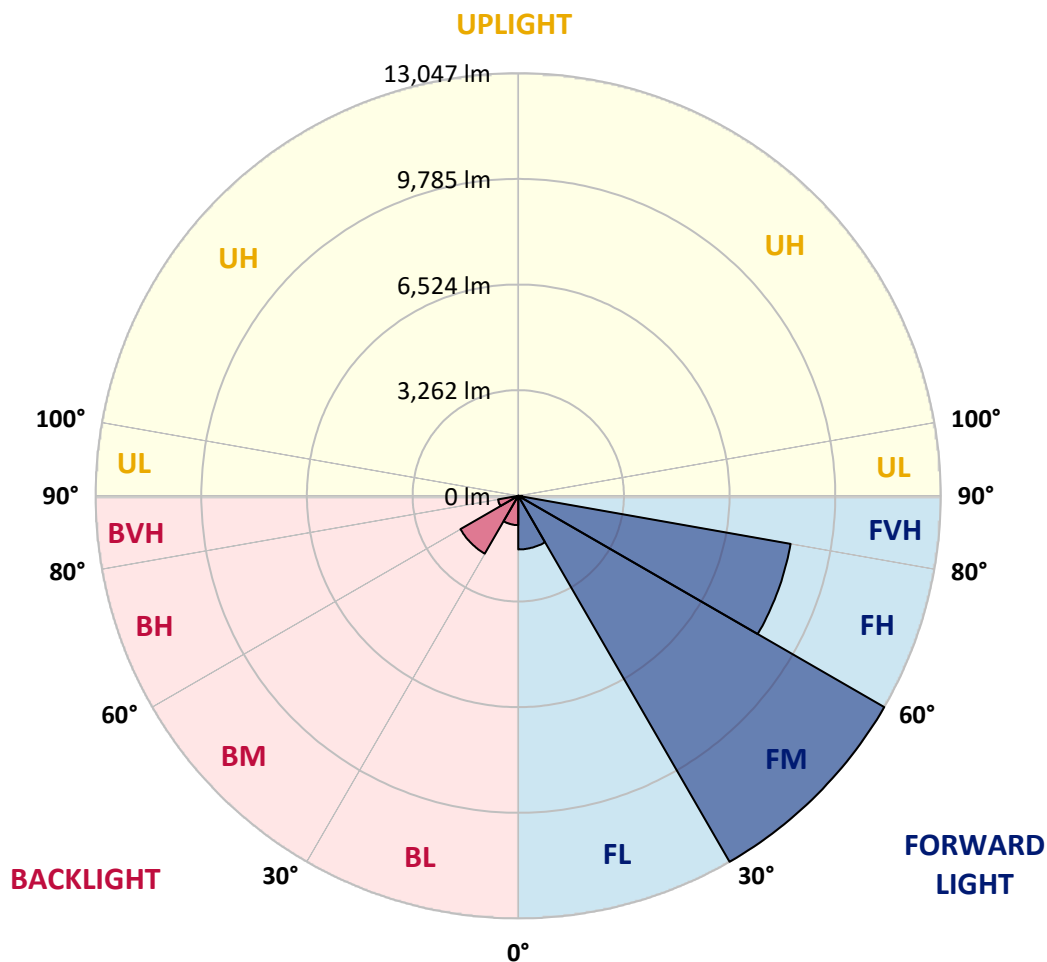
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1656.1	6.1			
FM (30°-60°)	13047.1	48.4			
FH (60°-80°)	8537.4	31.7			G4/12000
FVH (80°-90°)	120.9	0.4			G2/225
BL (0°-30°)	905.5	3.4	B2/1000		
BM (30°-60°)	2061.8	7.6	B2/2500		
BH (60°-80°)	633.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.2	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°	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7
2.5°	3125.8	3147.5	3142.1	3136.7	3134.9	3138.5	3140.3	3138.5	3138.5	3138.5
5°	3066.2	3084.2	3084.2	3096.9	3115.0	3136.7	3152.9	3156.5	3160.2	3165.6
7.5°	2952.3	2966.7	2977.6	3019.1	3064.3	3122.2	3171.0	3196.3	3199.9	3219.8
10°	2874.5	2892.6	2910.7	2954.1	3019.1	3105.9	3189.1	3250.6	3259.6	3306.6
12.5°	2870.9	2889.0	2912.5	2959.5	3035.4	3127.6	3228.9	3317.4	3333.7	3402.4
15°	2908.9	2930.6	2952.3	3010.1	3091.5	3203.5	3312.0	3422.3	3438.6	3536.2
17.5°	2986.6	3015.5	3031.8	3089.7	3176.4	3301.2	3444.0	3570.5	3585.0	3698.9
20°	3140.3	3174.6	3180.0	3227.1	3312.0	3445.8	3615.7	3773.0	3791.1	3921.3
22.5°	3458.5	3507.3	3463.9	3487.4	3563.3	3697.1	3881.5	4080.4	4105.7	4253.9
25°	4018.9	4087.6	3975.5	3935.7	3968.3	4107.5	4338.9	4590.2	4619.1	4738.4
27.5°	5119.9	5031.3	4861.4	4695.0	4597.4	4677.0	4937.3	5248.3	5284.4	5400.1
30°	6329.4	6251.6	6022.0	5653.2	5421.8	5409.2	5649.6	5996.7	6038.3	6148.6
32.5°	7540.6	7466.5	7217.0	6763.3	6361.9	6163.0	6329.4	6714.4	6736.1	6806.6
35°	8732.0	8656.1	8406.6	7942.0	7448.4	6996.5	6963.9	7397.8	7405.0	7479.2
37.5°	9930.6	9867.4	9601.6	9146.0	8659.7	8036.0	7734.1	8045.0	8054.1	8126.4
40°	10785.8	10812.9	10630.3	10277.8	9860.1	9178.6	8598.2	8733.8	8679.6	8800.7
42.5°	11519.8	11574.0	11414.9	11237.7	10995.5	10395.3	9668.5	9645.0	9558.2	9623.3
45°	12154.3	12199.5	12056.7	12015.1	12009.7	11588.5	10838.2	10697.2	10576.1	10563.4
47.5°	12387.5	12474.3	12535.8	12675.0	12946.2	12769.0	12047.7	11828.9	11693.3	11593.9
50°	12476.1	12568.3	12778.0	13183.0	13824.8	13900.7	13251.7	13005.8	12839.5	12658.7
52.5°	12356.8	12521.3	12803.4	13484.9	14416.0	14808.3	14406.9	14191.8	14002.0	13707.3
55°	11653.5	11818.1	12394.8	13481.3	14710.7	15444.7	15498.9	15403.1	15189.7	14725.1
57.5°	10171.1	10415.2	11328.1	13022.1	14705.2	15992.4	16569.1	16637.8	16399.2	15733.9
60°	8117.3	8448.2	9561.8	12004.3	14251.5	16288.9	17507.4	17850.9	17597.8	16728.2
62.5°	5664.1	6047.3	7101.3	10409.7	13213.7	16075.6	18192.6	18827.2	18635.5	17617.7
65°	3454.8	3577.8	4427.5	8191.5	11449.3	15182.5	18404.1	19355.1	19291.8	18161.9
67.5°	2301.4	2404.5	2648.5	5617.1	8887.5	13398.1	17897.9	19262.9	19281.0	18073.3
70°	1386.6	1475.2	1634.3	3266.8	5759.9	10605.0	16330.5	18087.8	18192.6	16889.1
72.5°	571.3	630.9	775.6	1480.6	2983.0	6730.7	13004.0	15529.6	15773.7	14200.8
75°	323.6	354.3	455.6	743.0	1294.4	3136.7	7876.9	11024.4	11384.2	9787.8
77.5°	215.1	229.6	294.7	480.9	728.6	1070.3	3366.3	5743.6	6430.6	5345.9
80°	144.6	157.3	202.5	321.8	473.7	459.2	1072.1	2127.9	2617.8	1836.8
82.5°	97.6	99.4	144.6	211.5	300.1	222.4	316.4	661.7	831.6	531.5
85°	56.0	54.2	106.7	122.9	133.8	92.2	95.8	198.9	260.3	224.2
87.5°	7.2	10.8	41.6	32.5	18.1	19.9	19.9	34.3	50.6	54.2
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°
3136.7	0°	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7	3136.7
3140.3	2.5°	3140.3	3138.5	3133.0	3127.6	3115.0	3107.7	3111.3	3107.7	3105.9	3107.7
3163.8	5°	3163.8	3158.4	3143.9	3125.8	3100.5	3069.8	3049.9	3021.0	2993.8	2977.6
3227.1	7.5°	3227.1	3221.6	3201.7	3151.1	3069.8	2941.4	2823.9	2720.8	2643.1	2597.9
3328.3	10°	3328.3	3319.3	3288.5	3176.4	2963.1	2682.9	2449.7	2256.2	2129.7	2070.0
3447.6	12.5°	3447.6	3436.8	3382.5	3152.9	2760.6	2323.1	2001.3	1786.2	1668.7	1616.2
3585.0	15°	3588.6	3574.2	3467.5	3040.8	2465.9	1925.4	1630.7	1469.8	1393.9	1346.9
3760.4	17.5°	3764.0	3738.7	3530.8	2872.7	2145.9	1621.7	1402.9	1281.8	1214.9	1169.7
3990.0	20°	3991.8	3950.2	3581.4	2672.0	1851.3	1430.0	1249.2	1148.0	1097.4	1057.6
4315.4	22.5°	4310.0	4250.3	3642.9	2455.1	1643.4	1298.1	1135.3	1061.2	1019.6	974.4
4769.2	25°	4704.1	4633.6	3718.8	2254.4	1500.5	1184.2	1052.2	990.7	941.9	889.5
5364.0	27.5°	5255.5	5128.9	3809.2	2089.9	1377.6	1086.5	976.3	907.6	851.5	808.1
6038.3	30°	5870.2	5662.3	3888.7	1990.5	1265.5	996.1	876.8	808.1	755.7	725.0
6643.9	32.5°	6452.3	6170.3	3941.2	1947.1	1164.3	893.1	768.3	694.2	654.4	645.4
7236.9	35°	7001.9	6629.5	3935.7	1905.5	1073.9	790.0	661.7	585.8	555.0	560.4
7875.1	37.5°	7634.6	7119.4	3897.8	1840.4	999.8	696.0	569.5	502.6	475.5	477.3
8650.7	40°	8370.4	7685.3	3874.3	1717.5	918.4	609.3	493.5	439.3	419.4	412.2
9467.8	42.5°	9155.1	8233.1	3877.9	1578.3	817.2	531.5	441.1	395.9	377.8	372.4
10377.2	45°	9943.3	8755.5	3883.3	1433.6	710.5	471.9	403.2	365.2	354.3	347.1
11299.2	47.5°	10684.5	9200.3	3782.1	1278.2	605.6	426.7	372.4	347.1	338.1	329.0
12224.8	50°	11375.1	9496.8	3538.0	1097.4	522.5	390.5	348.9	330.8	321.8	312.8
13063.7	52.5°	11912.1	9543.8	3134.9	911.2	464.6	363.4	334.5	318.2	307.3	298.3
13741.6	55°	12150.7	9249.1	2561.8	737.6	419.4	339.9	320.0	303.7	291.1	282.0
14275.0	57.5°	12089.2	8629.0	1997.7	593.0	376.0	316.4	301.9	291.1	276.6	262.1
14707.0	60°	11787.3	7799.2	1506.0	493.5	336.3	291.1	282.0	273.0	253.1	231.4
14873.4	62.5°	11264.9	6756.0	1073.9	408.6	292.9	262.1	258.5	251.3	222.4	182.6
14627.5	65°	10465.8	5488.7	723.1	339.9	251.3	229.6	231.4	218.8	180.8	135.6
13727.2	67.5°	9297.9	4013.5	462.8	278.4	209.7	191.6	193.4	186.2	153.7	115.7
12020.5	70°	7810.0	2657.6	301.9	211.5	168.1	148.2	159.1	160.9	130.2	94.0
9225.6	72.5°	5725.5	1569.2	211.5	157.3	122.9	103.0	130.2	133.8	104.9	70.5
5550.2	75°	3263.2	744.8	159.1	113.9	75.9	72.3	101.2	101.2	72.3	47.0
2402.7	77.5°	1370.4	311.0	112.1	74.1	43.4	41.6	68.7	63.3	36.2	21.7
585.8	80°	395.9	139.2	59.7	36.2	18.1	16.3	27.1	19.9	9.0	3.6
222.4	82.5°	155.5	61.5	23.5	14.5	7.2	7.2	3.6	0.0	0.0	0.0
126.6	85°	92.2	25.3	10.8	5.4	1.8	0.0	0.0	0.0	0.0	0.0
27.1	87.5°	23.5	5.4	3.6	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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3136.7
3115.0
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1348.7
1166.1
1050.4
967.2
884.0
799.1
719.5
650.8
560.4
484.5
410.4
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