

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: P850117

Luminaire Tested: **GLAN-SB7C-722-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850117  
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-SB7C-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

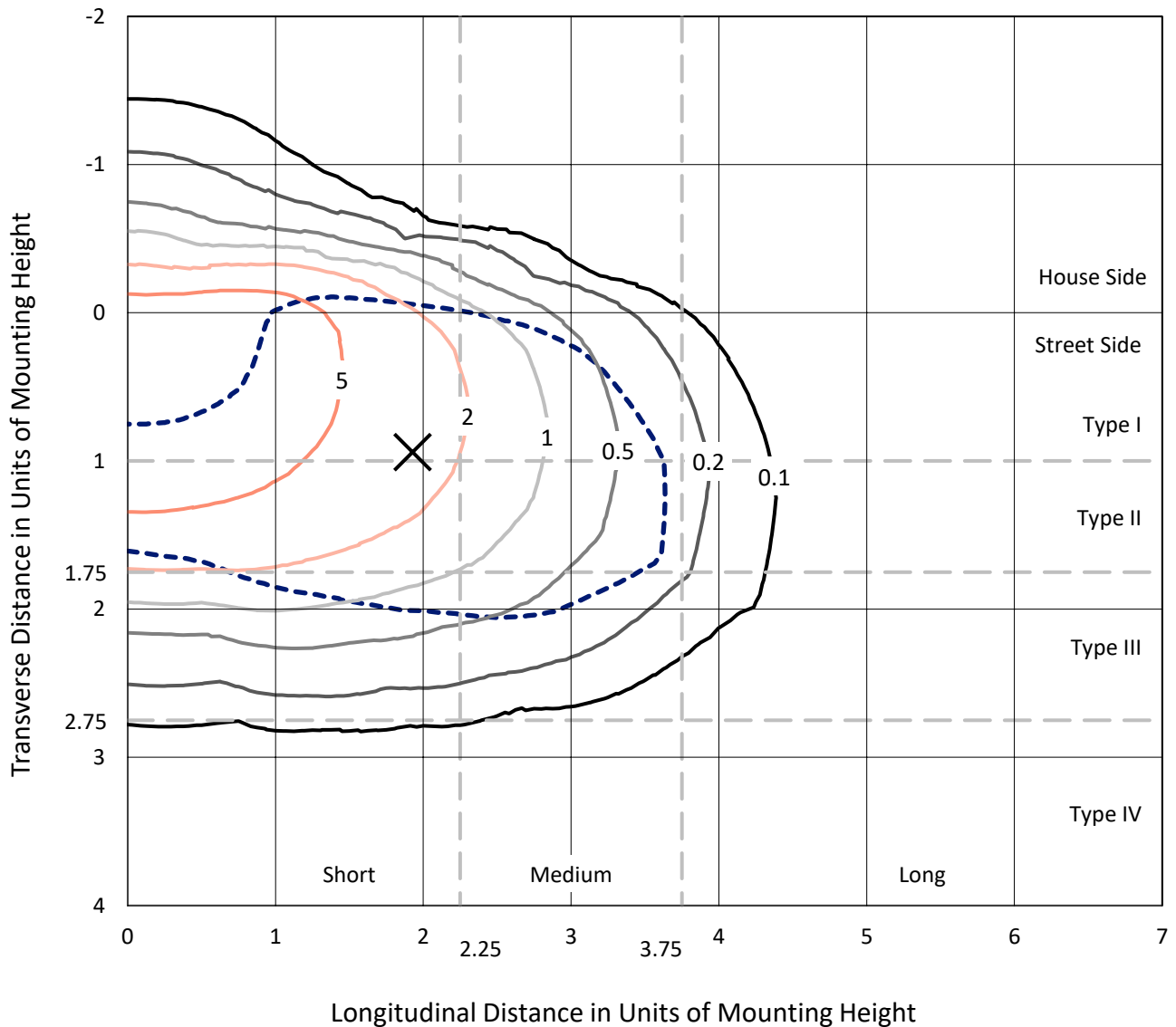
Lumens per Lamp: N/A  
Luminaire Lumens: 32664 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

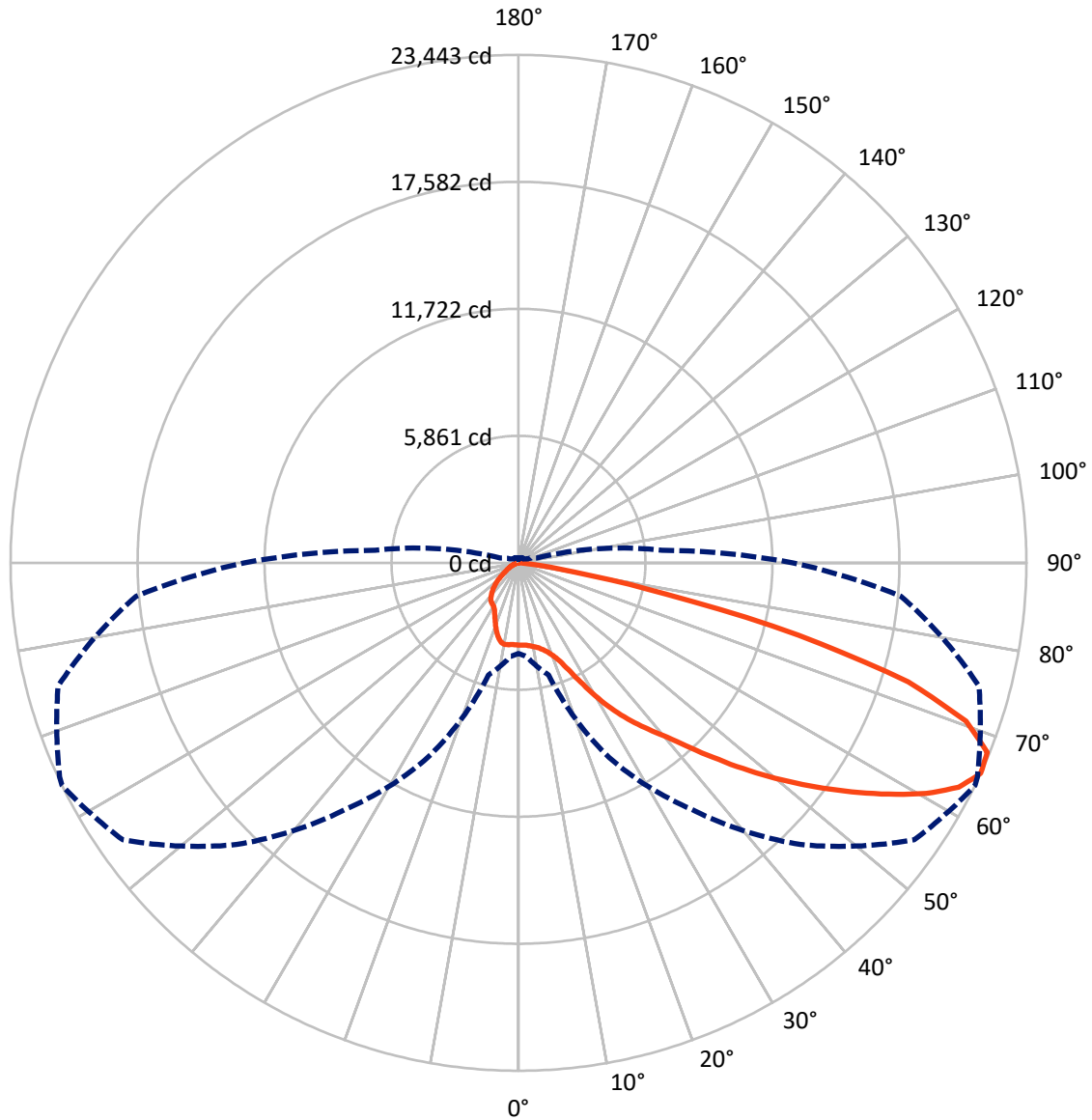
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	4368.2	0.0	4368.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	28295.8	0.0	28295.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	32664.0	0.0	32664.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.5	1.1
10°-20°	950.7	2.9
20°-30°	1801.5	5.5
30°-40°	3645.3	11.2
40°-50°	6209.8	19.0
50°-60°	8444.9	25.9
60°-70°	7930.2	24.3
70°-80°	3177.2	9.7
80°-90°	153.9	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°	32664.0	100.0
0°-180°	32664.0	100.0

**Coefficient of Utilization**



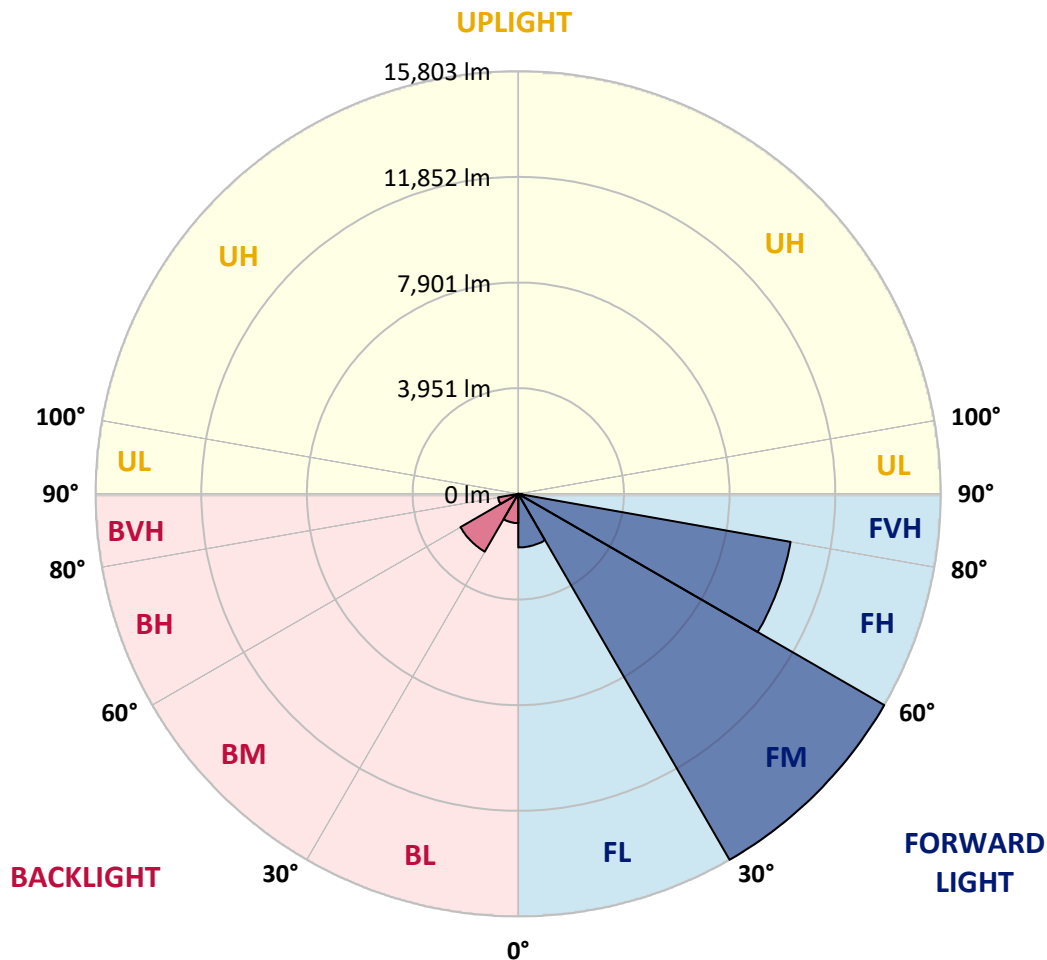
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2005.9	6.1			
FM (30°-60°)	15802.8	48.4			
FH (60°-80°)	10340.7	31.7			G4/12000
FVH (80°-90°)	146.4	0.4			G2/225
BL (0°-30°)	1096.7	3.4	B3/2500		
BM (30°-60°)	2497.2	7.6	B2/2500		
BH (60°-80°)	766.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.5	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°	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2
2.5°	3786.0	3812.3	3805.7	3799.2	3797.0	3801.4	3803.5	3801.4	3801.4	3801.4
5°	3713.8	3735.7	3735.7	3751.0	3772.9	3799.2	3818.9	3823.2	3827.6	3834.2
7.5°	3575.8	3593.3	3606.5	3656.8	3711.6	3781.6	3840.8	3871.4	3875.8	3899.9
10°	3481.7	3503.6	3525.4	3578.0	3656.8	3761.9	3862.7	3937.1	3948.1	4005.0
12.5°	3477.3	3499.2	3527.6	3584.6	3676.5	3788.2	3910.8	4018.1	4037.8	4121.1
15°	3523.3	3549.5	3575.8	3645.9	3744.4	3880.2	4011.6	4145.1	4164.8	4283.1
17.5°	3617.4	3652.5	3672.2	3742.2	3847.3	3998.4	4171.4	4324.7	4342.2	4480.2
20°	3803.5	3845.1	3851.7	3908.6	4011.6	4173.6	4379.4	4569.9	4591.8	4749.5
22.5°	4188.9	4248.1	4195.5	4224.0	4315.9	4478.0	4701.3	4942.2	4972.9	5152.4
25°	4867.7	4951.0	4815.2	4767.0	4806.4	4975.0	5255.3	5559.7	5594.7	5739.3
27.5°	6201.3	6094.0	5888.2	5686.7	5568.5	5664.8	5980.1	6356.8	6400.5	6540.7
30°	7666.2	7572.0	7294.0	6847.3	6567.0	6551.6	6842.9	7263.3	7313.7	7447.2
32.5°	9133.3	9043.5	8741.4	8191.7	7705.6	7464.8	7666.2	8132.6	8158.9	8244.3
35°	10576.3	10484.4	10182.2	9619.4	9021.6	8474.2	8434.8	8960.3	8969.1	9058.9
37.5°	12028.1	11951.5	11629.6	11077.8	10488.8	9733.3	9367.6	9744.2	9755.2	9842.8
40°	13063.9	13096.7	12875.5	12448.6	11942.7	11117.2	10414.3	10578.5	10512.8	10659.6
42.5°	13952.9	14018.6	13825.9	13611.3	13317.9	12590.9	11710.6	11682.2	11577.0	11655.9
45°	14721.5	14776.2	14603.2	14552.9	14546.3	14036.1	13127.4	12956.6	12809.9	12794.5
47.5°	15004.0	15109.1	15183.5	15352.1	15680.6	15466.0	14592.3	14327.3	14163.1	14042.7
50°	15111.3	15222.9	15476.9	15967.4	16744.8	16836.7	16050.6	15752.8	15551.4	15332.4
52.5°	14966.7	15166.0	15507.6	16333.1	17460.8	17936.0	17449.9	17189.3	16959.4	16602.4
55°	14114.9	14314.2	15012.7	16328.7	17817.7	18706.8	18772.5	18656.4	18398.0	17835.3
57.5°	12319.4	12615.0	13720.8	15772.5	17811.2	19370.3	20068.8	20152.0	19862.9	19057.1
60°	9831.8	10232.6	11581.4	14539.7	17261.6	19729.4	21205.2	21621.3	21314.7	20261.5
62.5°	6860.4	7324.6	8601.2	12608.4	16004.7	19471.0	22035.1	22803.7	22571.6	21338.8
65°	4184.6	4333.5	5362.6	9921.6	13867.5	18389.3	22291.3	23443.1	23366.5	21997.9
67.5°	2787.5	2912.3	3207.9	6803.5	10764.7	16228.0	21678.2	23331.5	23353.4	21890.6
70°	1679.5	1786.8	1979.5	3956.8	6976.4	12844.9	19779.7	21908.1	22035.1	20456.4
72.5°	692.0	764.2	939.4	1793.4	3613.0	8152.3	15750.6	18809.7	19105.3	17200.2
75°	392.0	429.2	551.8	900.0	1567.8	3799.2	9540.6	13352.9	13788.7	11855.1
77.5°	260.6	278.1	356.9	582.5	882.5	1296.3	4077.3	6956.7	7788.8	6475.0
80°	175.2	190.5	245.2	389.8	573.7	556.2	1298.5	2577.3	3170.7	2224.8
82.5°	118.2	120.4	175.2	256.2	363.5	269.3	383.2	801.4	1007.3	643.8
85°	67.9	65.7	129.2	148.9	162.0	111.7	116.1	240.9	315.3	271.5
87.5°	8.8	13.1	50.4	39.4	21.9	24.1	24.1	41.6	61.3	65.7
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°
3799.2	0°	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2	3799.2
3803.5	2.5°	3803.5	3801.4	3794.8	3788.2	3772.9	3764.1	3768.5	3764.1	3761.9	3764.1
3832.0	5°	3832.0	3825.4	3807.9	3786.0	3755.4	3718.1	3694.1	3659.0	3626.2	3606.5
3908.6	7.5°	3908.6	3902.1	3878.0	3816.7	3718.1	3562.7	3420.3	3295.5	3201.4	3146.6
4031.3	10°	4031.3	4020.3	3983.1	3847.3	3588.9	3249.5	2967.1	2732.8	2579.5	2507.2
4175.8	12.5°	4175.8	4162.7	4097.0	3818.9	3343.7	2813.8	2424.0	2163.4	2021.1	1957.6
4342.2	15°	4346.6	4329.1	4199.9	3683.1	2986.8	2332.1	1975.1	1780.2	1688.3	1631.3
4554.6	17.5°	4559.0	4528.3	4276.5	3479.5	2599.2	1964.2	1699.2	1552.5	1471.5	1416.7
4832.7	20°	4834.9	4784.5	4337.8	3236.4	2242.3	1732.1	1513.1	1390.5	1329.2	1281.0
5226.9	22.5°	5220.3	5148.0	4412.3	2973.6	1990.5	1572.2	1375.1	1285.4	1235.0	1180.3
5776.5	25°	5697.6	5612.2	4504.3	2730.6	1817.5	1434.3	1274.4	1200.0	1140.8	1077.3
6496.9	27.5°	6365.5	6212.2	4613.7	2531.3	1668.6	1316.0	1182.4	1099.2	1031.4	978.8
7313.7	30°	7110.0	6858.2	4710.1	2410.9	1532.8	1206.5	1062.0	978.8	915.3	878.1
8047.2	32.5°	7815.1	7473.5	4773.6	2358.3	1410.2	1081.7	930.6	840.9	792.7	781.7
8765.4	35°	8480.8	8029.7	4767.0	2308.0	1300.7	956.9	801.4	709.5	672.2	678.8
9538.4	37.5°	9247.2	8623.1	4721.0	2229.1	1210.9	843.0	689.8	608.7	575.9	578.1
10477.8	40°	10138.4	9308.5	4692.6	2080.2	1112.4	737.9	597.8	532.1	508.0	499.3
11467.6	42.5°	11088.7	9972.0	4696.9	1911.6	989.8	643.8	534.3	479.5	457.7	451.1
12569.0	45°	12043.5	10604.8	4703.5	1736.4	860.6	571.5	488.3	442.3	429.2	420.4
13685.7	47.5°	12941.2	11143.5	4580.9	1548.1	733.6	516.8	451.1	420.4	409.5	398.5
14806.9	50°	13777.7	11502.6	4285.3	1329.2	632.8	473.0	422.6	400.7	389.8	378.8
15822.9	52.5°	14428.1	11559.5	3797.0	1103.6	562.8	440.1	405.1	385.4	372.3	361.3
16644.1	55°	14717.1	11202.6	3102.8	893.4	508.0	411.7	387.6	367.9	352.5	341.6
17290.0	57.5°	14642.7	10451.5	2419.6	718.2	455.5	383.2	365.7	352.5	335.0	317.5
17813.4	60°	14277.0	9446.4	1824.0	597.8	407.3	352.5	341.6	330.6	306.6	280.3
18014.8	62.5°	13644.1	8183.0	1300.7	494.9	354.7	317.5	313.1	304.4	269.3	221.2
17717.0	65°	12676.3	6648.0	875.9	411.7	304.4	278.1	280.3	265.0	219.0	164.2
16626.5	67.5°	11261.7	4861.2	560.6	337.2	254.0	232.1	234.3	225.5	186.1	140.1
14559.4	70°	9459.6	3218.9	365.7	256.2	203.6	179.6	192.7	194.9	157.7	113.9
11174.1	72.5°	6934.8	1900.7	256.2	190.5	148.9	124.8	157.7	162.0	127.0	85.4
6722.4	75°	3952.4	902.2	192.7	138.0	92.0	87.6	122.6	122.6	87.6	56.9
2910.1	77.5°	1659.8	376.6	135.8	89.8	52.6	50.4	83.2	76.6	43.8	26.3
709.5	80°	479.5	168.6	72.3	43.8	21.9	19.7	32.8	24.1	10.9	4.4
269.3	82.5°	188.3	74.5	28.5	17.5	8.8	8.8	4.4	0.0	0.0	0.0
153.3	85°	111.7	30.7	13.1	6.6	2.2	0.0	0.0	0.0	0.0	0.0
32.8	87.5°	28.5	6.6	4.4	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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3799.2
3772.9
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