

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: P852856

Luminaire Tested: **GLAN-SB6D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852856  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31521 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

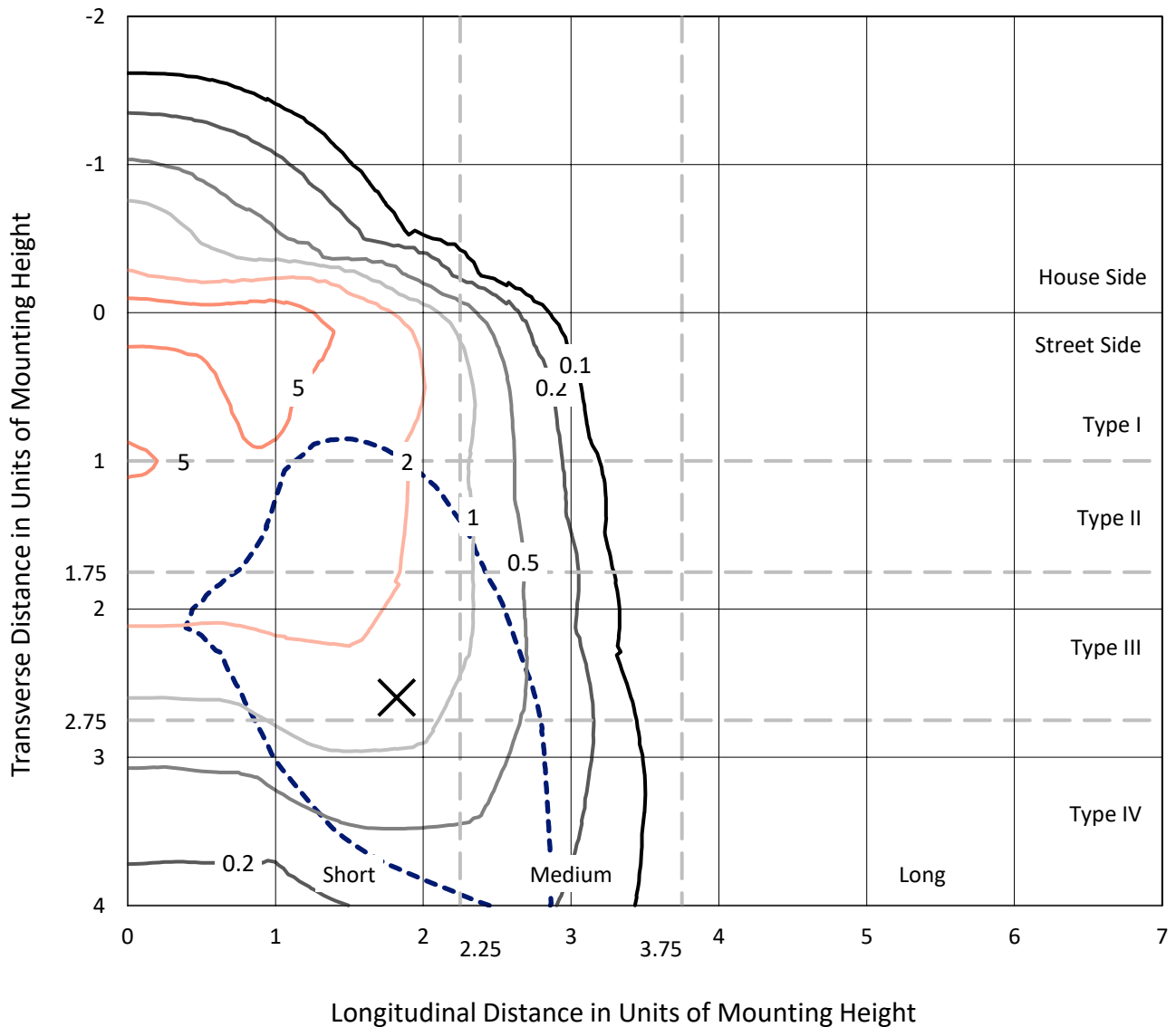
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

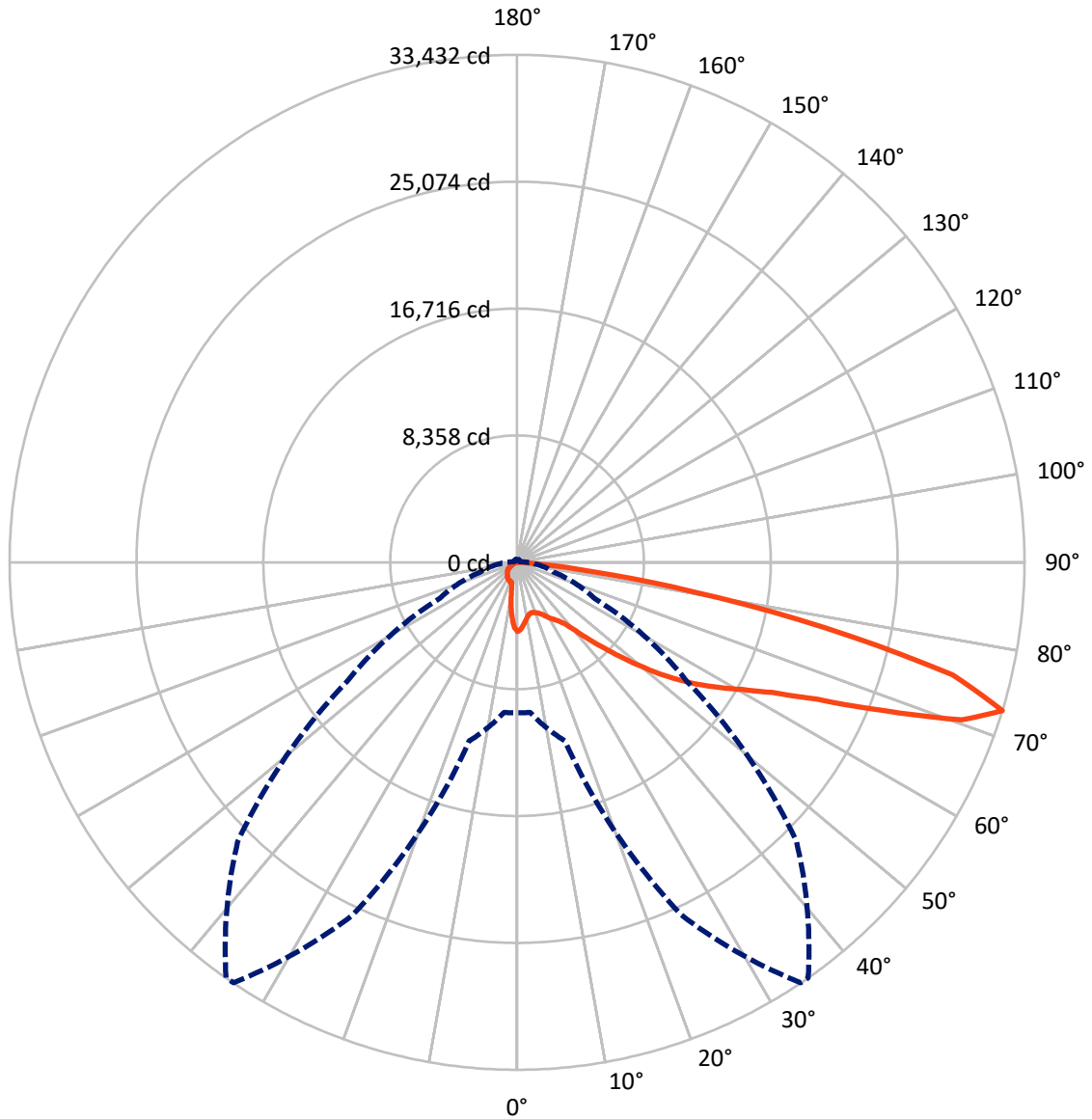
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3547.5	0.0	3547.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	27973.5	0.0	27973.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	31521.0	0.0	31521.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.4	1.2
10°-20°	878.2	2.8
20°-30°	1426.6	4.5
30°-40°	2380.3	7.6
40°-50°	4503.6	14.3
50°-60°	7156.3	22.7
60°-70°	8852.8	28.1
70°-80°	5503.0	17.5
80°-90°	444.7	1.4
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°	31521.0	100.0
0°-180°	31521.0	100.0

**Coefficient of Utilization**



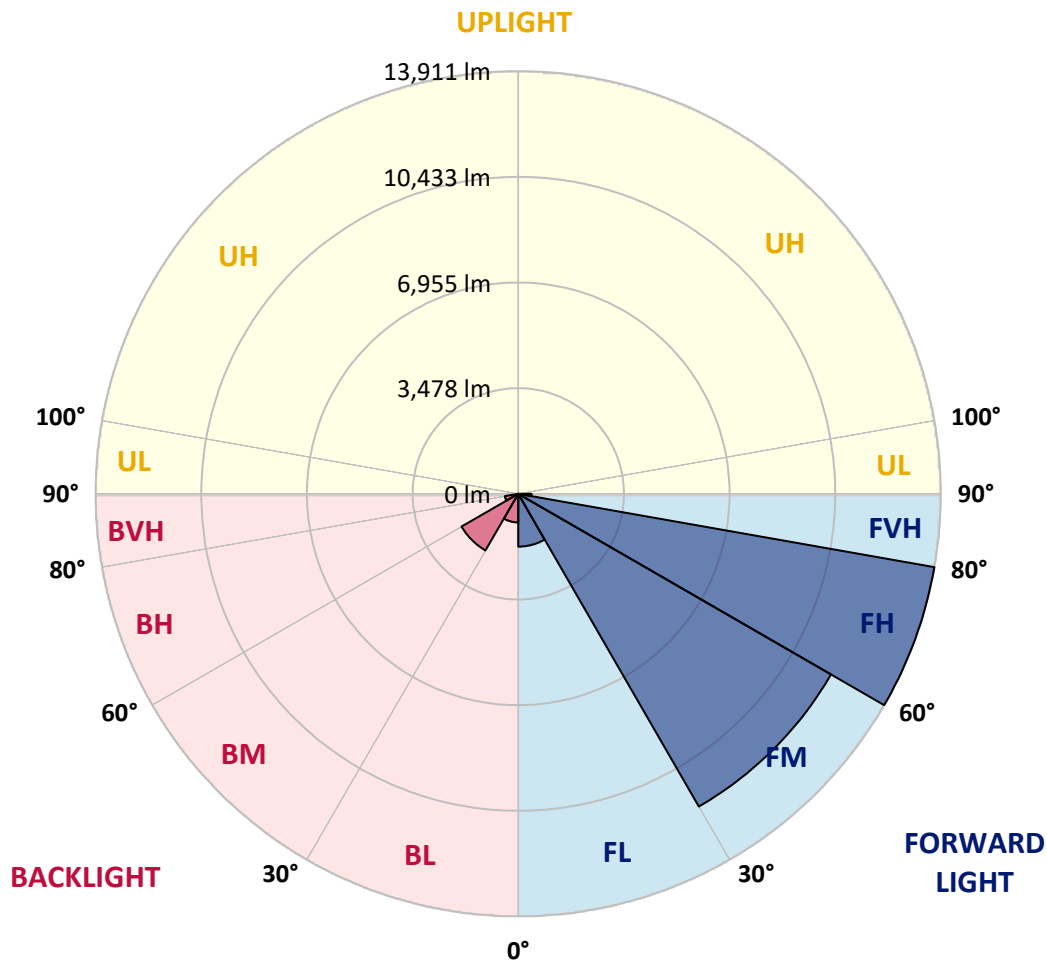
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1737.6	5.5			
FM	(30°-60°)	11886.6	37.7			
FH	(60°-80°)	13910.6	44.1			G5
FVH	(80°-90°)	438.7	1.4			G3/500
BL	(0°-30°)	942.6	3.0	B2/1000		
BM	(30°-60°)	2153.7	6.8	B2/2500		
BH	(60°-80°)	445.2	1.4	B1/500		G1/500
BVH	(80°-90°)	6.1	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-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4
2.5°	4365.2	4402.2	4409.1	4420.6	4420.6	4434.5	4457.6	4489.9	4543.0	4570.8
5°	4023.4	4051.1	4085.7	4113.5	4166.6	4173.5	4263.6	4351.3	4473.8	4566.1
7.5°	3679.2	3711.6	3757.8	3824.7	3894.0	3914.8	4051.1	4198.9	4392.9	4566.1
10°	3436.7	3439.0	3480.6	3547.6	3658.5	3683.9	3850.2	4060.3	4302.8	4538.4
12.5°	3300.5	3316.6	3335.1	3385.9	3492.2	3508.3	3686.2	3933.3	4212.8	4522.3
15°	3300.5	3312.0	3323.6	3349.0	3434.4	3448.3	3605.3	3852.5	4166.6	4529.2
17.5°	3335.1	3353.6	3344.3	3374.4	3464.4	3473.7	3612.3	3829.4	4164.3	4573.1
20°	3418.3	3432.1	3413.6	3432.1	3522.2	3540.7	3683.9	3873.3	4203.5	4649.3
22.5°	3549.9	3556.8	3512.9	3526.8	3619.2	3642.3	3808.6	3998.0	4298.2	4771.7
25°	3716.2	3730.1	3663.1	3679.2	3767.0	3794.7	3986.4	4185.1	4448.3	4940.3
27.5°	3907.9	3914.8	3857.1	3854.8	3967.9	4007.2	4201.2	4416.0	4649.3	5152.8
30°	4127.3	4148.1	4092.7	4083.4	4226.6	4259.0	4450.7	4700.1	4944.9	5471.5
32.5°	4300.5	4316.7	4284.4	4307.5	4453.0	4478.4	4753.2	5102.0	5409.2	5924.2
35°	4550.0	4559.2	4485.3	4526.9	4693.2	4757.8	5166.6	5665.5	5993.5	6492.4
37.5°	5453.0	5453.0	5138.9	4933.4	5092.7	5150.5	5732.5	6374.6	6714.1	7254.6
40°	6702.5	6681.8	6222.1	5801.8	5781.0	5894.2	6538.6	7268.4	7644.9	8169.2
42.5°	8035.2	8002.9	7377.0	6961.2	6891.9	6931.2	7469.3	8370.1	8753.5	9284.7
45°	9217.7	9208.5	8635.7	8076.8	7952.1	8076.8	8631.1	9658.9	9933.7	10492.7
47.5°	10208.6	10208.6	9790.5	9425.6	9360.9	9434.8	10203.9	11088.5	11063.1	11779.1
50°	11349.5	11340.3	10943.0	10786.0	10853.0	10956.9	12014.7	12594.4	12231.8	13042.5
52.5°	12148.7	12204.1	12067.8	12042.4	12384.2	12564.4	13853.2	14068.0	13278.1	14241.2
55°	12781.5	12846.2	13003.2	13181.1	13839.3	14074.9	15633.9	15465.3	14153.4	15280.5
57.5°	13677.6	13585.2	13827.8	14178.8	15243.6	15527.6	17359.2	16784.1	14857.9	16123.5
60°	14765.5	14779.3	14820.9	15264.3	16645.5	17010.4	19059.1	18031.3	15310.5	16640.9
62.5°	16072.7	16093.5	16179.0	16860.3	18527.9	18872.0	20869.8	19052.1	15518.4	16495.4
65°	15982.6	16070.4	17024.3	19354.7	21389.5	21729.0	22983.1	19768.1	15204.3	15165.0
67.5°	14559.9	14703.1	16299.1	22334.1	25703.9	26082.7	25537.6	19909.0	13848.5	11793.0
70°	12693.7	12744.5	14663.8	25013.3	30699.6	31083.0	27824.1	18359.3	10508.8	6577.8
72.5°	9912.9	9924.5	12176.4	25634.6	33411.1	33431.9	26029.5	13629.1	5651.7	2526.7
75°	7081.3	7012.0	8155.3	20789.0	29394.7	29630.3	19514.1	6393.1	2159.5	1194.1
77.5°	3797.0	3873.3	4614.6	12328.8	20306.3	20708.1	10647.4	1843.1	1099.4	813.0
80°	1173.3	1238.0	1891.6	5644.7	11502.0	11744.5	3947.2	819.9	766.8	579.7
82.5°	369.5	383.4	882.3	2372.0	4774.0	4884.9	1143.3	464.2	524.3	383.4
85°	106.2	108.6	392.6	884.6	1180.2	1203.3	321.0	180.2	300.3	237.9
87.5°	11.5	37.0	147.8	147.8	103.9	101.6	34.6	39.3	85.5	30.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4568.4	0°	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4	4568.4
4589.2	2.5°	4577.7	4580.0	4550.0	4499.2	4443.7	4397.5	4339.8	4293.6	4261.3	4252.0
4630.8	5°	4610.0	4593.9	4508.4	4353.7	4168.9	4009.5	3831.7	3690.8	3598.4	3559.1
4674.7	7.5°	4658.5	4612.3	4425.3	4120.4	3767.0	3452.9	3134.2	2887.0	2730.0	2651.5
4716.3	10°	4700.1	4607.7	4286.7	3783.2	3242.7	2766.9	2337.3	2039.4	1873.1	1794.6
4764.8	12.5°	4739.4	4605.4	4106.5	3383.6	2651.5	2069.4	1669.9	1522.0	1475.9	1459.7
4843.3	15°	4813.3	4612.3	3880.2	2926.3	2062.5	1563.6	1418.1	1415.8	1425.0	1420.4
4963.4	17.5°	4914.9	4619.3	3623.8	2441.3	1591.3	1378.8	1371.9	1392.7	1406.6	1399.6
5113.5	20°	5046.5	4647.0	3351.3	1960.9	1367.3	1332.7	1348.8	1367.3	1378.8	1367.3
5314.5	22.5°	5231.3	4695.5	3053.3	1575.2	1295.7	1304.9	1318.8	1339.6	1351.1	1335.0
5570.8	25°	5457.7	4771.7	2760.0	1369.6	1261.1	1272.6	1293.4	1316.5	1330.3	1314.2
5894.2	27.5°	5751.0	4894.1	2489.8	1323.4	1226.4	1233.3	1263.4	1298.0	1316.5	1295.7
6353.8	30°	6176.0	5095.0	2256.5	1344.2	1205.6	1189.5	1231.0	1279.5	1300.3	1281.8
6979.7	32.5°	6739.5	5379.1	2113.3	1376.5	1196.4	1138.6	1177.9	1240.3	1274.9	1263.4
7797.3	35°	7478.6	5811.0	2057.9	1413.5	1189.5	1085.5	1113.2	1180.2	1240.3	1251.8
8827.4	37.5°	8374.7	6411.5	2074.0	1429.7	1168.7	1041.6	1055.5	1113.2	1191.8	1228.7
9986.8	40°	9393.3	7111.4	2166.4	1413.5	1145.6	1004.7	1007.0	1050.9	1120.2	1175.6
11234.0	42.5°	10444.2	7929.0	2337.3	1353.4	1124.8	972.4	965.4	995.5	1041.6	1080.9
12478.9	45°	11444.2	8769.7	2505.9	1270.3	1099.4	940.0	923.9	935.4	944.6	960.8
13691.5	47.5°	12317.3	9360.9	2457.4	1194.1	1064.7	903.1	875.4	870.7	843.0	840.7
14774.7	50°	12920.1	9490.3	2182.6	1117.9	1013.9	861.5	817.6	789.9	741.4	718.3
15585.4	52.5°	13111.8	8979.8	1783.0	1041.6	930.8	806.1	743.7	699.8	639.8	619.0
16051.9	55°	12857.7	7979.8	1425.0	949.3	815.3	732.2	662.9	605.1	556.6	531.2
16102.7	57.5°	12236.4	6707.2	1127.1	840.7	692.9	649.0	579.7	522.0	480.4	455.0
15539.2	60°	11206.3	5326.0	891.5	711.4	591.3	558.9	487.3	450.4	413.4	383.4
14084.1	62.5°	9642.7	3801.7	699.8	563.5	494.3	457.3	415.7	388.0	344.1	302.6
11467.3	65°	7524.8	2325.8	540.5	413.4	397.3	378.8	353.4	328.0	274.8	233.3
7480.9	67.5°	4746.3	1101.7	385.7	311.8	314.1	304.9	293.3	272.5	233.3	196.3
3351.3	70°	2090.2	533.5	254.1	237.9	233.3	233.3	242.5	235.6	198.6	164.0
1164.1	72.5°	711.4	286.4	189.4	180.2	168.6	166.3	203.2	196.3	159.4	127.0
579.7	75°	371.9	191.7	138.6	129.3	101.6	122.4	161.7	152.4	113.2	83.1
383.4	77.5°	242.5	136.3	94.7	83.1	57.7	80.8	120.1	106.2	67.0	41.6
251.7	80°	152.4	90.1	55.4	39.3	27.7	43.9	64.7	46.2	25.4	9.2
147.8	82.5°	80.8	46.2	20.8	13.9	11.5	13.9	16.2	11.5	4.6	0.0
76.2	85°	32.3	16.2	6.9	4.6	2.3	0.0	4.6	2.3	0.0	0.0
13.9	87.5°	11.5	2.3	0.0	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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<u>180°</u>
4568.4
4268.2
3573.0
2663.0
1796.9
1455.1
1418.1
1397.3
1365.0
1332.7
1311.9
1295.7
1279.5
1263.4
1251.8
1238.0
1194.1
1097.1
970.0
838.4
720.6
616.7
531.2
450.4
376.5
295.6
226.3
191.7
157.1
<i>120.1</i>
76.2
37.0
6.9
0.0
0.0
0.0
0.0

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