

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: P846737

Luminaire Tested: **GLAN-SB2C-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846737  
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-SB2C-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 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: 11346 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

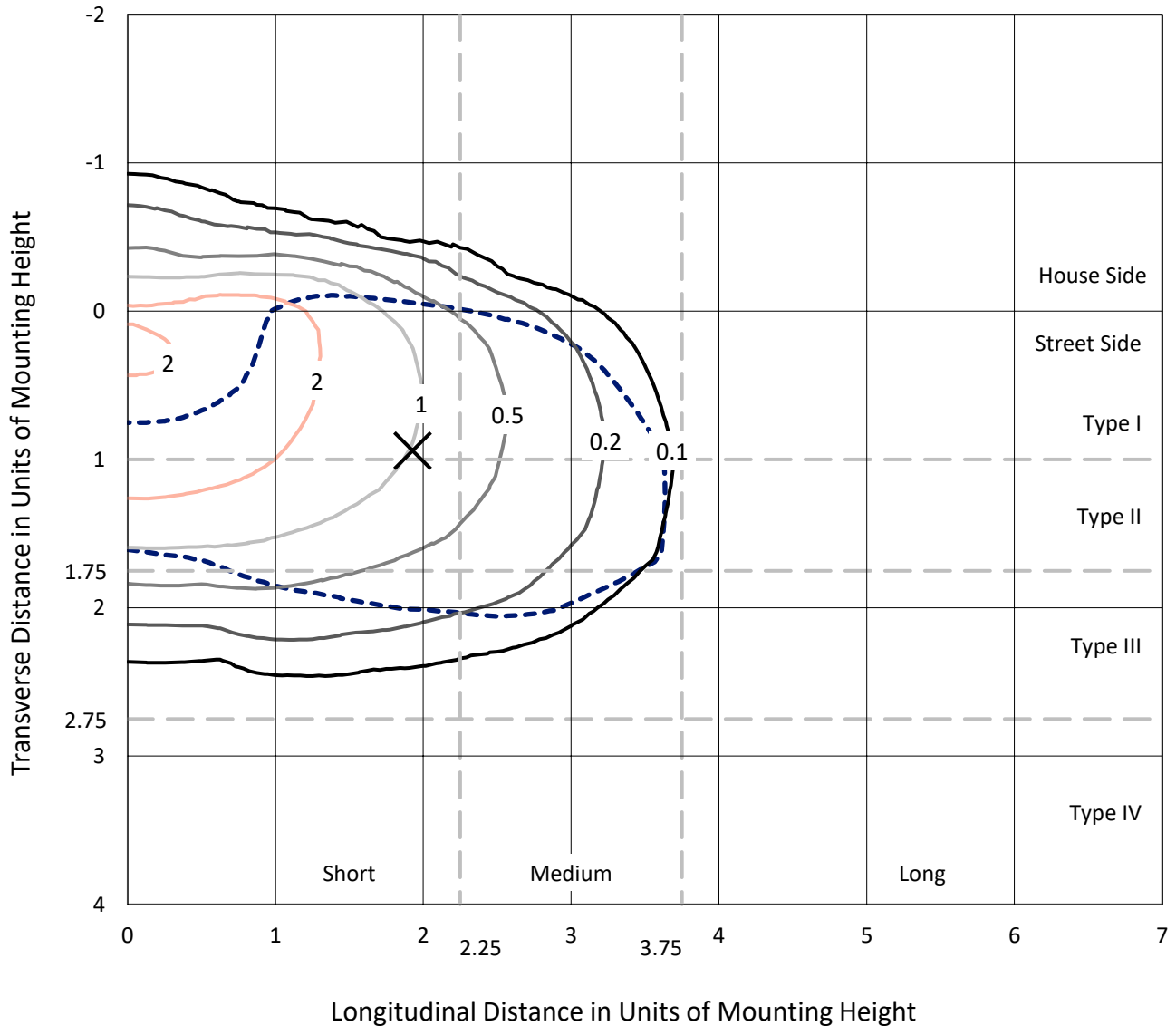
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

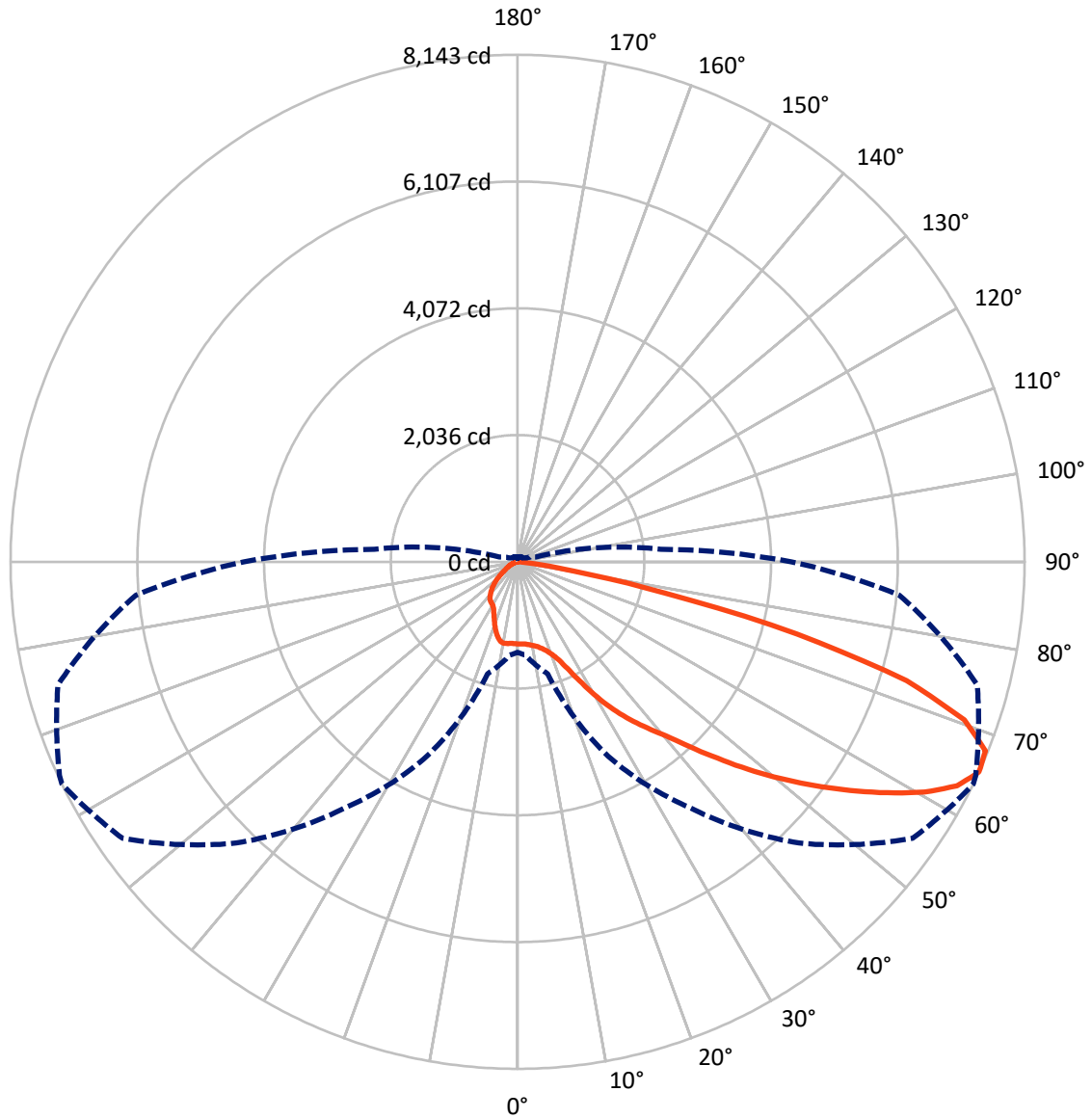
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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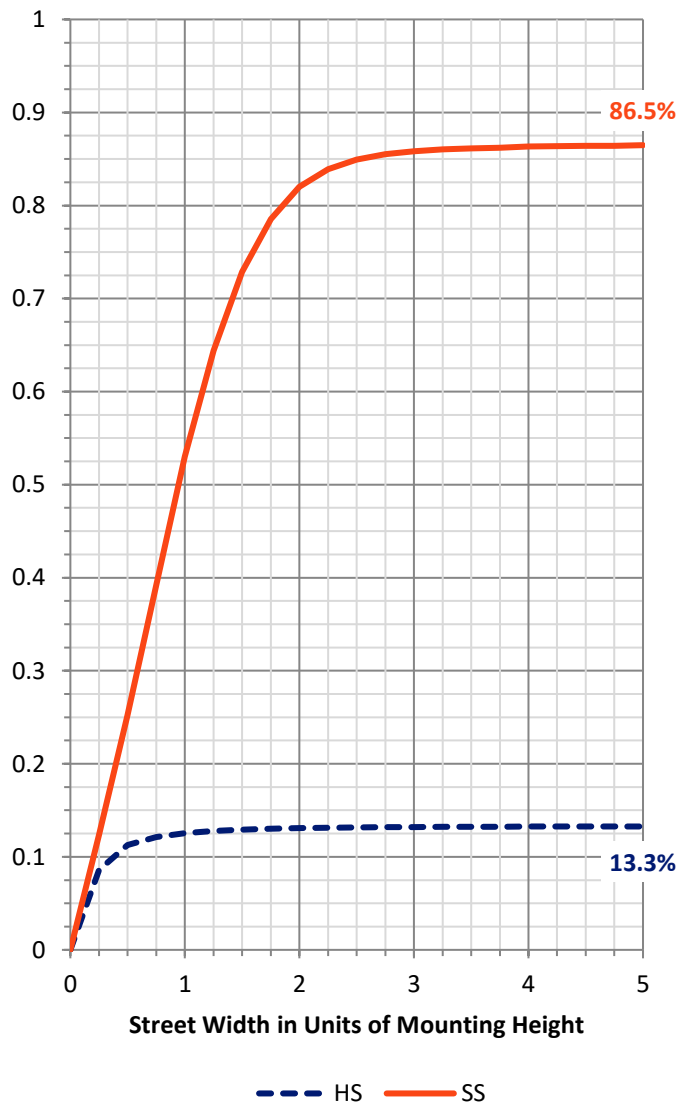
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1517.3	0.0	1517.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	9828.7	0.0	9828.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	11346.0	0.0	11346.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.8	1.1
10°-20°	330.2	2.9
20°-30°	625.7	5.5
30°-40°	1266.2	11.2
40°-50°	2157.0	19.0
50°-60°	2933.4	25.9
60°-70°	2754.6	24.3
70°-80°	1103.6	9.7
80°-90°	53.5	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°	11346.0	100.0
0°-180°	11346.0	100.0

**Coefficient of Utilization**



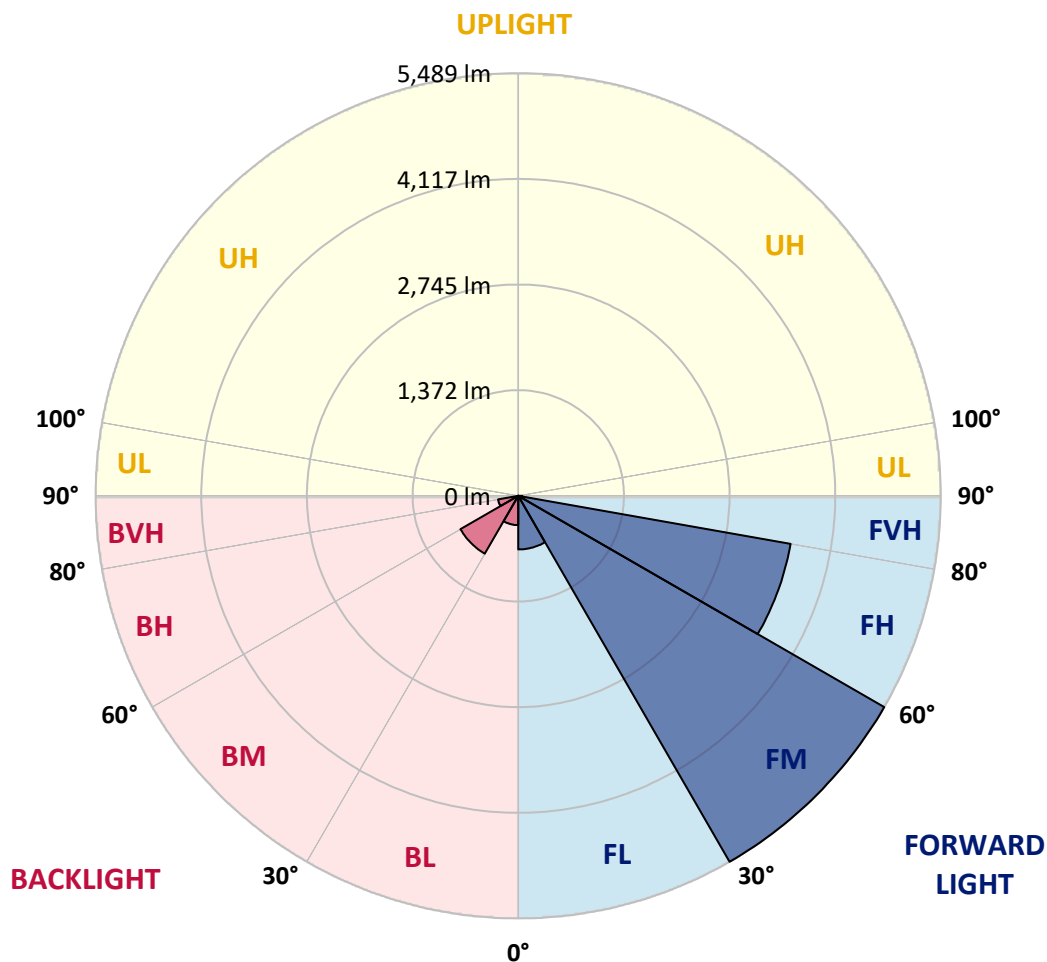
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	696.8	6.1			
FM (30°-60°)	5489.2	48.4			
FH (60°-80°)	3591.9	31.7			G2/5000
FVH (80°-90°)	50.9	0.4			G1/100
BL (0°-30°)	380.9	3.4	B1/500		
BM (30°-60°)	867.4	7.6	B1/1000		
BH (60°-80°)	266.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7
2.5°	1315.1	1324.2	1321.9	1319.7	1318.9	1320.4	1321.2	1320.4	1320.4	1320.4
5°	1290.0	1297.6	1297.6	1302.9	1310.5	1319.7	1326.5	1328.0	1329.5	1331.8
7.5°	1242.1	1248.2	1252.7	1270.2	1289.2	1313.6	1334.1	1344.8	1346.3	1354.6
10°	1209.4	1217.0	1224.6	1242.8	1270.2	1306.7	1341.7	1367.6	1371.4	1391.2
12.5°	1207.8	1215.5	1225.3	1245.1	1277.1	1315.9	1358.4	1395.7	1402.6	1431.5
15°	1223.8	1232.9	1242.1	1266.4	1300.6	1347.8	1393.4	1439.8	1446.7	1487.8
17.5°	1256.5	1268.7	1275.5	1299.9	1336.4	1388.9	1449.0	1502.2	1508.3	1556.2
20°	1321.2	1335.6	1337.9	1357.7	1393.4	1449.7	1521.2	1587.4	1595.0	1649.8
22.5°	1455.0	1475.6	1457.3	1467.2	1499.2	1555.4	1633.0	1716.7	1727.3	1789.7
25°	1690.8	1719.7	1672.6	1655.8	1669.5	1728.1	1825.5	1931.2	1943.4	1993.6
27.5°	2154.0	2116.8	2045.3	1975.3	1934.2	1967.7	2077.2	2208.0	2223.3	2271.9
30°	2662.9	2630.2	2533.6	2378.4	2281.1	2275.7	2376.9	2522.9	2540.4	2586.8
32.5°	3172.5	3141.3	3036.4	2845.4	2676.6	2592.9	2662.9	2824.9	2834.0	2863.7
35°	3673.7	3641.8	3536.8	3341.4	3133.7	2943.6	2929.9	3112.4	3115.5	3146.6
37.5°	4178.0	4151.4	4039.6	3847.9	3643.3	3380.9	3253.9	3384.7	3388.5	3418.9
40°	4537.8	4549.2	4472.4	4324.1	4148.4	3861.6	3617.5	3674.5	3651.7	3702.6
42.5°	4846.6	4869.4	4802.5	4727.9	4626.0	4373.5	4067.7	4057.9	4021.3	4048.7
45°	5113.6	5132.6	5072.5	5055.0	5052.7	4875.5	4559.9	4500.5	4449.6	4444.2
47.5°	5211.7	5248.2	5274.1	5332.6	5446.7	5372.2	5068.7	4976.7	4919.6	4877.8
50°	5249.0	5287.8	5376.0	5546.4	5816.4	5848.3	5575.3	5471.8	5401.8	5325.8
52.5°	5198.8	5268.0	5386.6	5673.4	6065.1	6230.2	6061.3	5970.8	5890.9	5766.9
55°	4902.9	4972.1	5214.7	5671.9	6189.1	6497.9	6520.7	6480.4	6390.6	6195.2
57.5°	4279.2	4381.9	4766.0	5478.7	6186.8	6728.4	6971.0	6999.9	6899.5	6619.6
60°	3415.1	3554.3	4022.9	5050.4	5995.9	6853.1	7365.7	7510.3	7403.8	7037.9
62.5°	2383.0	2544.2	2987.7	4379.6	5559.3	6763.3	7654.0	7921.0	7840.4	7412.1
65°	1453.5	1505.2	1862.7	3446.3	4816.9	6387.6	7743.0	8143.1	8116.5	7641.1
67.5°	968.3	1011.6	1114.3	2363.2	3739.2	5636.9	7530.0	8104.3	8111.9	7603.8
70°	583.4	620.7	687.6	1374.4	2423.3	4461.7	6870.6	7609.9	7654.0	7105.6
72.5°	240.4	265.5	326.3	622.9	1255.0	2831.7	5471.1	6533.6	6636.3	5974.6
75°	136.1	149.1	191.7	312.6	544.6	1319.7	3314.0	4638.2	4789.6	4117.9
77.5°	90.5	96.6	124.0	202.3	306.5	450.3	1416.3	2416.5	2705.5	2249.1
80°	60.8	66.2	85.2	135.4	199.3	193.2	451.0	895.2	1101.4	772.8
82.5°	41.1	41.8	60.8	89.0	126.3	93.6	133.1	278.4	349.9	223.6
85°	23.6	22.8	44.9	51.7	56.3	38.8	40.3	83.7	109.5	94.3
87.5°	3.0	4.6	17.5	13.7	7.6	8.4	8.4	14.5	21.3	22.8
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°
1319.7	0°	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7	1319.7
1321.2	2.5°	1321.2	1320.4	1318.1	1315.9	1310.5	1307.5	1309.0	1307.5	1306.7	1307.5
1331.1	5°	1331.1	1328.8	1322.7	1315.1	1304.4	1291.5	1283.1	1271.0	1259.6	1252.7
1357.7	7.5°	1357.7	1355.4	1347.0	1325.7	1291.5	1237.5	1188.1	1144.7	1112.0	1093.0
1400.3	10°	1400.3	1396.5	1383.5	1336.4	1246.6	1128.7	1030.6	949.2	896.0	870.9
1450.5	12.5°	1450.5	1445.9	1423.1	1326.5	1161.5	977.4	842.0	751.5	702.0	680.0
1508.3	15°	1509.8	1503.7	1458.8	1279.3	1037.5	810.0	686.1	618.4	586.4	566.7
1582.1	17.5°	1583.6	1572.9	1485.5	1208.6	902.8	682.3	590.2	539.3	511.1	492.1
1678.7	20°	1679.4	1661.9	1506.8	1124.2	778.9	601.6	525.6	483.0	461.7	445.0
1815.6	22.5°	1813.3	1788.2	1532.6	1032.9	691.4	546.1	477.7	446.5	429.0	410.0
2006.5	25°	1979.1	1949.4	1564.6	948.5	631.3	498.2	442.7	416.8	396.3	374.2
2256.7	27.5°	2211.1	2157.8	1602.6	879.3	579.6	457.1	410.7	381.8	358.2	340.0
2540.4	30°	2469.7	2382.2	1636.1	837.4	532.4	419.1	368.9	340.0	317.9	305.0
2795.2	32.5°	2714.6	2596.0	1658.1	819.2	489.8	375.7	323.3	292.1	275.3	271.5
3044.7	35°	2945.8	2789.2	1655.8	801.7	451.8	332.4	278.4	246.4	233.5	235.8
3313.2	37.5°	3212.1	2995.3	1639.9	774.3	420.6	292.8	239.6	211.4	200.0	200.8
3639.5	40°	3521.6	3233.4	1630.0	722.6	386.4	256.3	207.6	184.8	176.5	173.4
3983.3	42.5°	3851.7	3463.8	1631.5	664.0	343.8	223.6	185.6	166.6	159.0	156.7
4365.9	45°	4183.4	3683.6	1633.8	603.2	298.9	198.5	169.6	153.6	149.1	146.0
4753.8	47.5°	4495.2	3870.7	1591.2	537.8	254.8	179.5	156.7	146.0	142.2	138.4
5143.2	50°	4785.8	3995.5	1488.5	461.7	219.8	164.3	146.8	139.2	135.4	131.6
5496.2	52.5°	5011.7	4015.3	1318.9	383.3	195.5	152.9	140.7	133.9	129.3	125.5
5781.4	55°	5112.1	3891.3	1077.8	310.3	176.5	143.0	134.6	127.8	122.5	118.7
6005.8	57.5°	5086.2	3630.4	840.5	249.5	158.2	133.1	127.0	122.5	116.4	110.3
6187.6	60°	4959.2	3281.3	633.6	207.6	141.5	122.5	118.7	114.9	106.5	97.4
6257.5	62.5°	4739.4	2842.4	451.8	171.9	123.2	110.3	108.8	105.7	93.6	76.8
6154.1	65°	4403.2	2309.2	304.2	143.0	105.7	96.6	97.4	92.0	76.1	57.0
5775.3	67.5°	3911.8	1688.6	194.7	117.1	88.2	80.6	81.4	78.3	64.7	48.7
5057.3	70°	3285.8	1118.1	127.0	89.0	70.7	62.4	66.9	67.7	54.8	39.6
3881.4	72.5°	2408.9	660.2	89.0	66.2	51.7	43.4	54.8	56.3	44.1	29.7
2335.1	75°	1372.9	313.4	66.9	47.9	31.9	30.4	42.6	42.6	30.4	19.8
1010.9	77.5°	576.5	130.8	47.2	31.2	18.3	17.5	28.9	26.6	15.2	9.1
246.4	80°	166.6	58.6	25.1	15.2	7.6	6.8	11.4	8.4	3.8	1.5
93.6	82.5°	65.4	25.9	9.9	6.1	3.0	3.0	1.5	0.0	0.0	0.0
53.2	85°	38.8	10.6	4.6	2.3	0.8	0.0	0.0	0.0	0.0	0.0
11.4	87.5°	9.9	2.3	1.5	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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1319.7
1310.5
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490.6
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406.9
371.9
336.2
302.7
273.8
235.8
203.8
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