

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: P846677

Luminaire Tested: **GLAN-SB2B-930-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846677  
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-SB2B-930-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

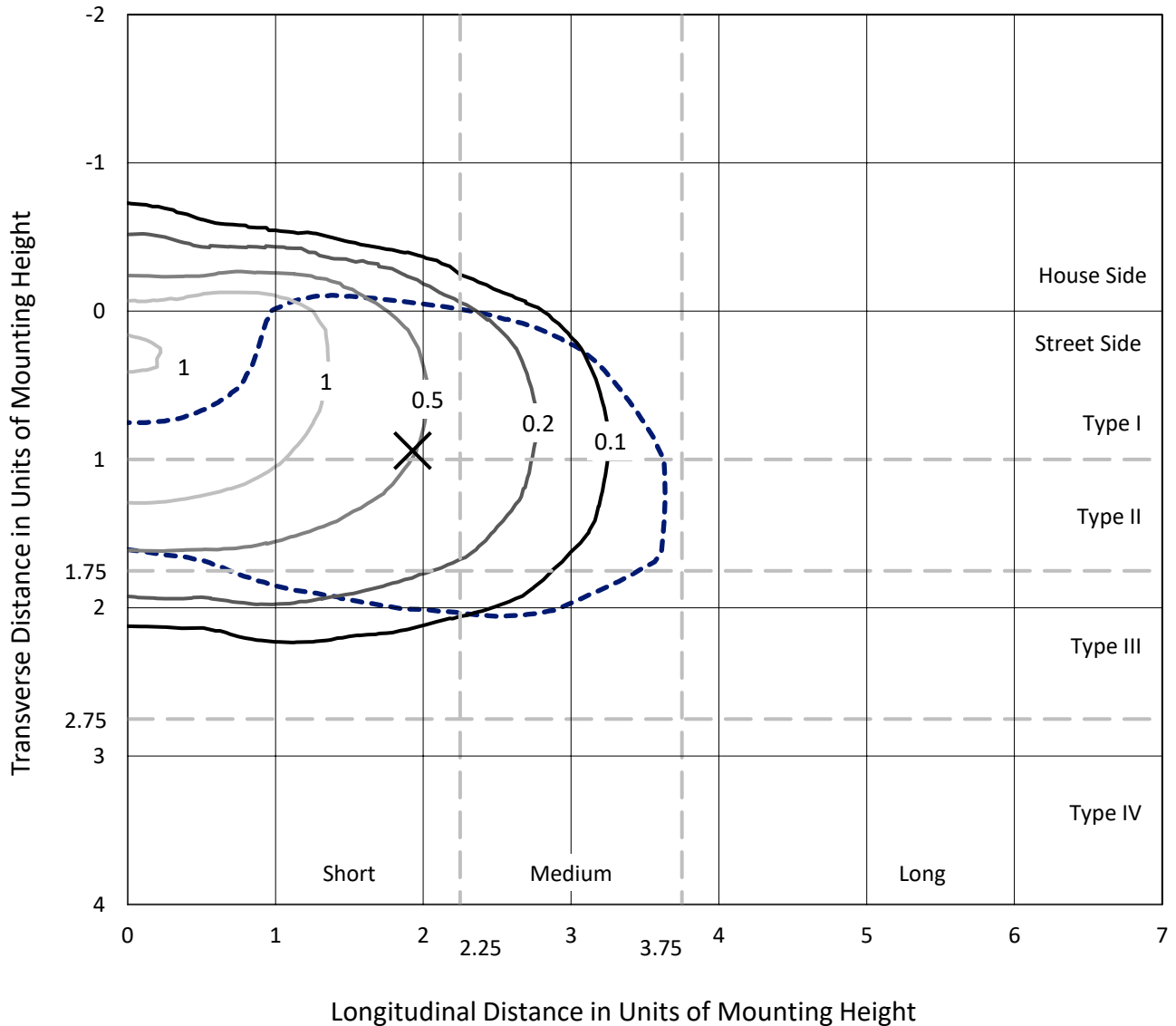
Lumens per Lamp: N/A  
Luminaire Lumens: 5958 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

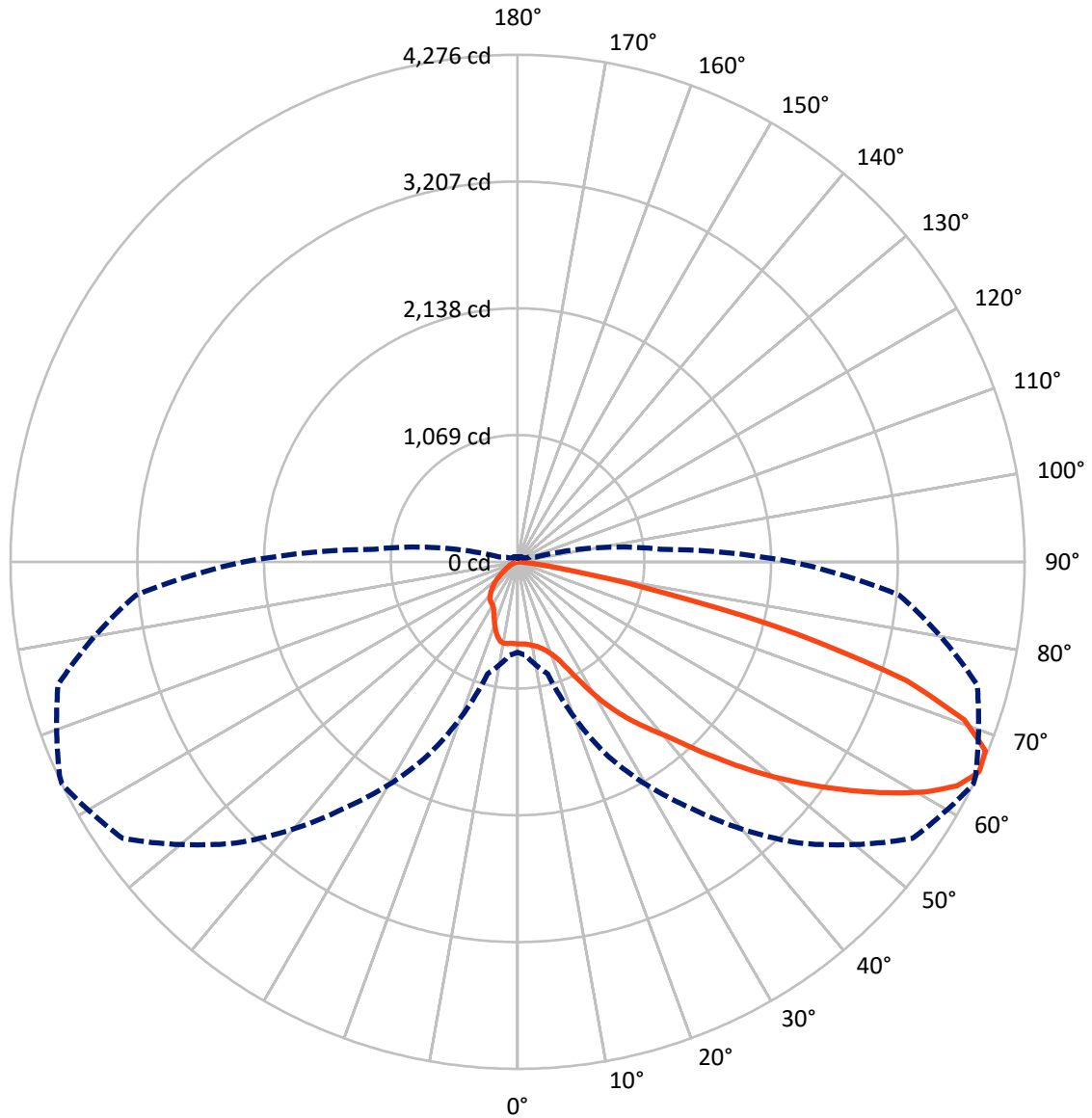
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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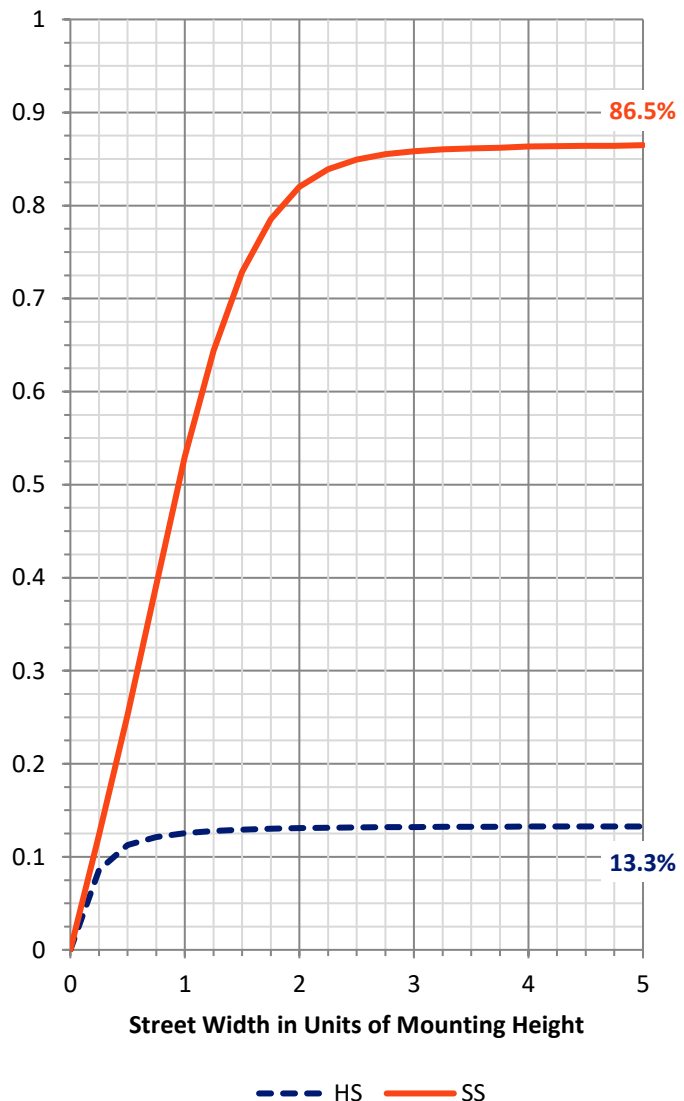
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	796.8	0.0	796.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	5161.2	0.0	5161.2
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	5958.0	0.0	5958.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.9	1.1
10°-20°	173.4	2.9
20°-30°	328.6	5.5
30°-40°	664.9	11.2
40°-50°	1132.7	19.0
50°-60°	1540.4	25.9
60°-70°	1446.5	24.3
70°-80°	579.5	9.7
80°-90°	28.1	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°	5958.0	100.0
0°-180°	5958.0	100.0

**Coefficient of Utilization**

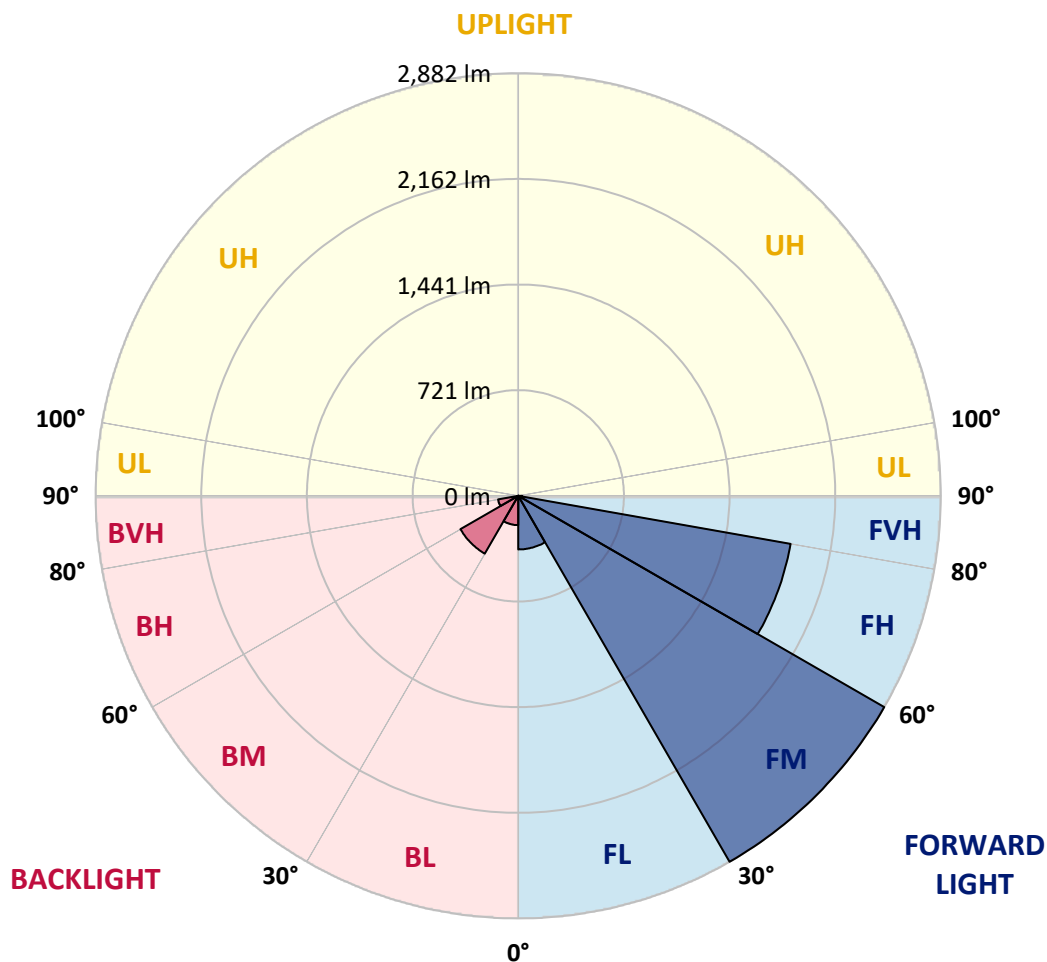


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.9	6.1			
FM (30°-60°)	2882.5	48.4			
FH (60°-80°)	1886.2	31.7			G2/5000
FVH (80°-90°)	26.7	0.4			G1/100
BL (0°-30°)	200.0	3.4	B1/500		
BM (30°-60°)	455.5	7.6	B1/1000		
BH (60°-80°)	139.8	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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°	693.0	693.0	693.0	693.0	693.0	693.0	693.0	693.0	693.0	693.0
2.5°	690.6	695.4	694.2	693.0	692.6	693.4	693.8	693.4	693.4	693.4
5°	677.4	681.4	681.4	684.2	688.2	693.0	696.6	697.4	698.2	699.4
7.5°	652.2	655.4	657.8	667.0	677.0	689.8	700.6	706.2	707.0	711.4
10°	635.1	639.1	643.1	652.6	667.0	686.2	704.6	718.1	720.1	730.5
12.5°	634.3	638.3	643.5	653.8	670.6	691.0	713.3	732.9	736.5	751.7
15°	642.7	647.4	652.2	665.0	683.0	707.8	731.7	756.1	759.7	781.2
17.5°	659.8	666.2	669.8	682.6	701.8	729.3	760.9	788.8	792.0	817.2
20°	693.8	701.4	702.6	712.9	731.7	761.3	798.8	833.6	837.6	866.3
22.5°	764.1	774.9	765.3	770.5	787.2	816.8	857.5	901.5	907.1	939.8
25°	887.9	903.1	878.3	869.5	876.7	907.5	958.6	1014.1	1020.5	1046.9
27.5°	1131.1	1111.6	1074.0	1037.3	1015.7	1033.3	1090.8	1159.5	1167.5	1193.0
30°	1398.3	1381.2	1330.4	1249.0	1197.8	1195.0	1248.2	1324.8	1334.0	1358.4
32.5°	1665.9	1649.6	1594.4	1494.2	1405.5	1361.6	1398.3	1483.4	1488.2	1503.8
35°	1929.2	1912.4	1857.3	1754.6	1645.6	1545.7	1538.5	1634.4	1636.0	1652.4
37.5°	2194.0	2180.0	2121.3	2020.6	1913.2	1775.4	1708.7	1777.4	1779.4	1795.4
40°	2382.9	2388.9	2348.5	2270.6	2178.4	2027.8	1899.6	1929.6	1917.6	1944.3
42.5°	2545.0	2557.0	2521.9	2482.7	2429.2	2296.6	2136.0	2130.9	2111.7	2126.1
45°	2685.2	2695.2	2663.7	2654.5	2653.3	2560.2	2394.5	2363.3	2336.6	2333.8
47.5°	2736.8	2755.9	2769.5	2800.3	2860.2	2821.0	2661.7	2613.3	2583.4	2561.4
50°	2756.3	2776.7	2823.0	2912.5	3054.3	3071.1	2927.7	2873.4	2836.6	2796.7
52.5°	2730.0	2766.3	2828.6	2979.2	3184.9	3271.6	3182.9	3135.4	3093.4	3028.3
55°	2574.6	2610.9	2738.4	2978.4	3250.0	3412.2	3424.1	3403.0	3355.8	3253.2
57.5°	2247.1	2301.0	2502.7	2877.0	3248.8	3533.2	3660.6	3675.8	3623.1	3476.1
60°	1793.4	1866.4	2112.5	2652.1	3148.6	3598.7	3867.9	3943.8	3887.9	3695.7
62.5°	1251.4	1336.0	1568.9	2299.8	2919.3	3551.6	4019.3	4159.5	4117.1	3892.3
65°	763.3	790.4	978.2	1809.7	2529.5	3354.2	4066.0	4276.1	4262.1	4012.5
67.5°	508.4	531.2	585.1	1241.0	1963.5	2960.0	3954.2	4255.7	4259.7	3992.9
70°	306.3	325.9	361.1	721.7	1272.5	2342.9	3607.9	3996.1	4019.3	3731.3
72.5°	126.2	139.4	171.3	327.1	659.0	1487.0	2873.0	3430.9	3484.9	3137.4
75°	71.5	78.3	100.7	164.2	286.0	693.0	1740.2	2435.6	2515.1	2162.4
77.5°	47.5	50.7	65.1	106.2	161.0	236.5	743.7	1268.9	1420.7	1181.1
80°	32.0	34.7	44.7	71.1	104.6	101.5	236.9	470.1	578.3	405.8
82.5°	21.6	22.0	32.0	46.7	66.3	49.1	69.9	146.2	183.7	117.4
85°	12.4	12.0	23.6	27.2	29.6	20.4	21.2	43.9	57.5	49.5
87.5°	1.6	2.4	9.2	7.2	4.0	4.4	4.4	7.6	11.2	12.0
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°
693.0	0°	693.0	693.0	693.0	693.0	693.0	693.0	693.0	693.0	693.0	693.0
693.8	2.5°	693.8	693.4	692.2	691.0	688.2	686.6	687.4	686.6	686.2	686.6
699.0	5°	699.0	697.8	694.6	690.6	685.0	678.2	673.8	667.4	661.4	657.8
712.9	7.5°	712.9	711.7	707.4	696.2	678.2	649.8	623.9	601.1	583.9	574.0
735.3	10°	735.3	733.3	726.5	701.8	654.6	592.7	541.2	498.5	470.5	457.3
761.7	12.5°	761.7	759.3	747.3	696.6	609.9	513.2	442.1	394.6	368.7	357.1
792.0	15°	792.8	789.6	766.1	671.8	544.8	425.4	360.3	324.7	307.9	297.6
830.8	17.5°	831.6	826.0	780.0	634.7	474.1	358.3	309.9	283.2	268.4	258.4
881.5	20°	881.9	872.7	791.2	590.3	409.0	315.9	276.0	253.6	242.4	233.7
953.4	22.5°	952.2	939.0	804.8	542.4	363.1	286.8	250.8	234.5	225.3	215.3
1053.6	25°	1039.3	1023.7	821.6	498.1	331.5	261.6	232.5	218.9	208.1	196.5
1185.1	27.5°	1161.1	1133.1	841.6	461.7	304.4	240.0	215.7	200.5	188.1	178.5
1334.0	30°	1296.9	1251.0	859.1	439.8	279.6	220.1	193.7	178.5	167.0	160.2
1467.8	32.5°	1425.5	1363.2	870.7	430.2	257.2	197.3	169.7	153.4	144.6	142.6
1598.8	35°	1546.9	1464.6	869.5	421.0	237.2	174.5	146.2	129.4	122.6	123.8
1739.8	37.5°	1686.7	1572.9	861.1	406.6	220.9	153.8	125.8	111.0	105.0	105.4
1911.2	40°	1849.3	1697.9	855.9	379.4	202.9	134.6	109.0	97.1	92.7	91.1
2091.7	42.5°	2022.6	1818.9	856.7	348.7	180.5	117.4	97.5	87.5	83.5	82.3
2292.6	45°	2196.8	1934.3	857.9	316.7	157.0	104.2	89.1	80.7	78.3	76.7
2496.3	47.5°	2360.5	2032.6	835.6	282.4	133.8	94.3	82.3	76.7	74.7	72.7
2700.8	50°	2513.1	2098.1	781.6	242.4	115.4	86.3	77.1	73.1	71.1	69.1
2886.1	52.5°	2631.7	2108.5	692.6	201.3	102.6	80.3	73.9	70.3	67.9	65.9
3035.9	55°	2684.4	2043.4	566.0	163.0	92.7	75.1	70.7	67.1	64.3	62.3
3153.7	57.5°	2670.9	1906.4	441.3	131.0	83.1	69.9	66.7	64.3	61.1	57.9
3249.2	60°	2604.2	1723.1	332.7	109.0	74.3	64.3	62.3	60.3	55.9	51.1
3286.0	62.5°	2488.7	1492.6	237.2	90.3	64.7	57.9	57.1	55.5	49.1	40.3
3231.6	65°	2312.2	1212.6	159.8	75.1	55.5	50.7	51.1	48.3	39.9	30.0
3032.7	67.5°	2054.2	886.7	102.2	61.5	46.3	42.3	42.7	41.1	33.9	25.6
2655.7	70°	1725.5	587.1	66.7	46.7	37.1	32.8	35.1	35.5	28.8	20.8
2038.2	72.5°	1264.9	346.7	46.7	34.7	27.2	22.8	28.8	29.6	23.2	15.6
1226.2	75°	720.9	164.6	35.1	25.2	16.8	16.0	22.4	22.4	16.0	10.4
530.8	77.5°	302.8	68.7	24.8	16.4	9.6	9.2	15.2	14.0	8.0	4.8
129.4	80°	87.5	30.8	13.2	8.0	4.0	3.6	6.0	4.4	2.0	0.8
49.1	82.5°	34.3	13.6	5.2	3.2	1.6	1.6	0.8	0.0	0.0	0.0
28.0	85°	20.4	5.6	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0
6.0	87.5°	5.2	1.2	0.8	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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693.0
688.2
658.6
574.4
456.1
355.9
298.0
257.6
232.1
213.7
195.3
176.5
159.0
143.8
123.8
107.0
90.7
81.9
76.7
72.7
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61.9
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