

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: P845786

Luminaire Tested: **GLAN-SB1A-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3681 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

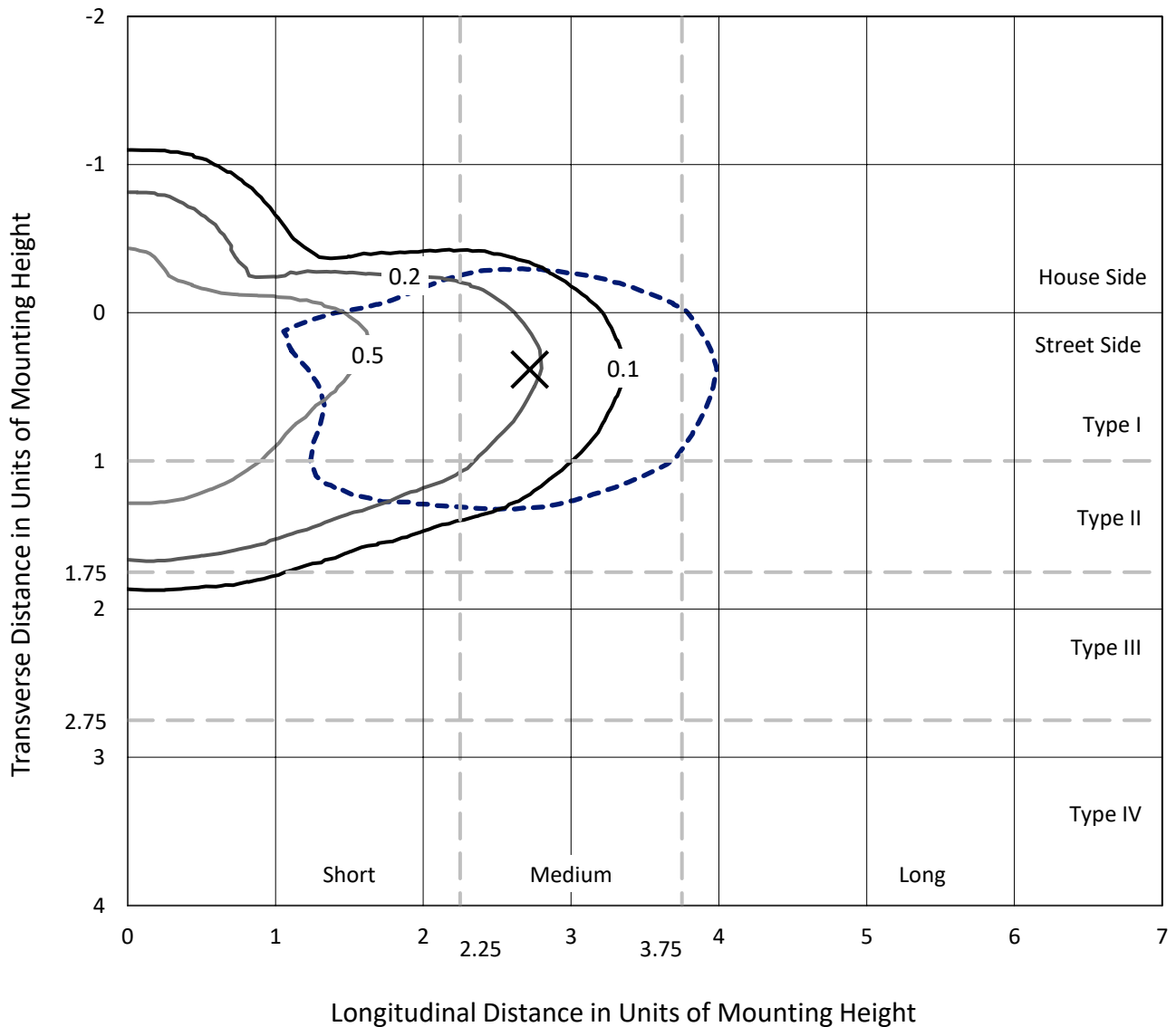
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

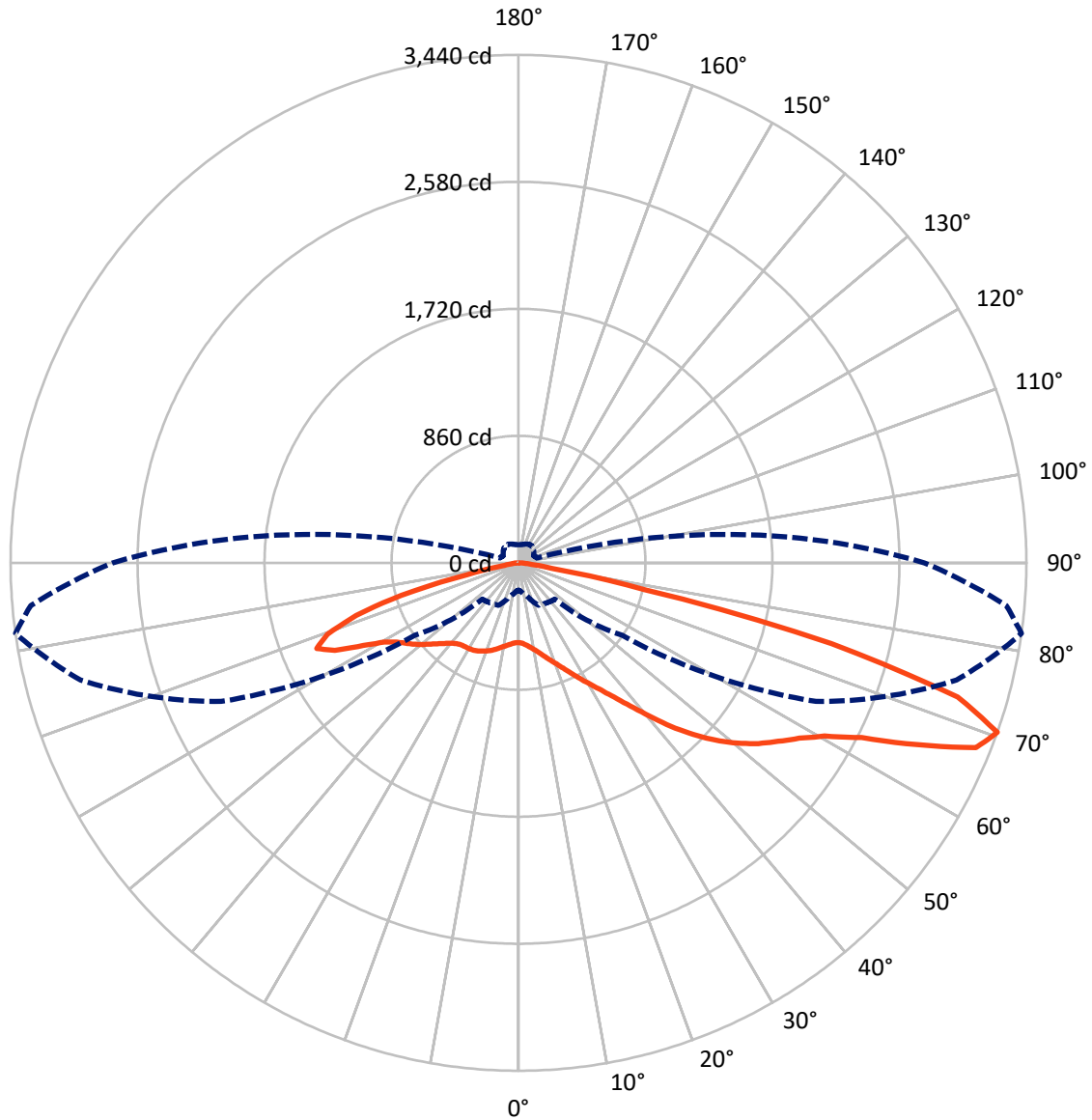
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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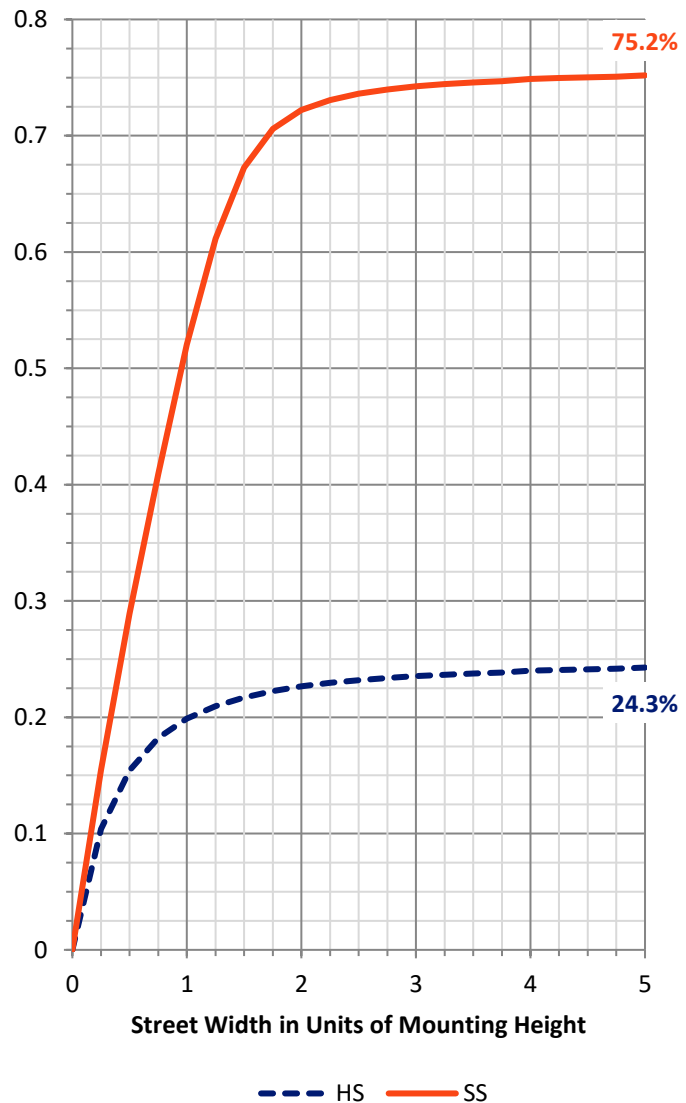
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	907.5	0.0	907.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2773.5	0.0	2773.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	3681.0	0.0	3681.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.4
10°-20°	146.4	4.0
20°-30°	244.9	6.7
30°-40°	382.6	10.4
40°-50°	609.3	16.6
50°-60°	848.0	23.0
60°-70°	887.0	24.1
70°-80°	463.6	12.6
80°-90°	48.1	1.3
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°	3681.0	100.0
0°-180°	3681.0	100.0

Coefficient of Utilization



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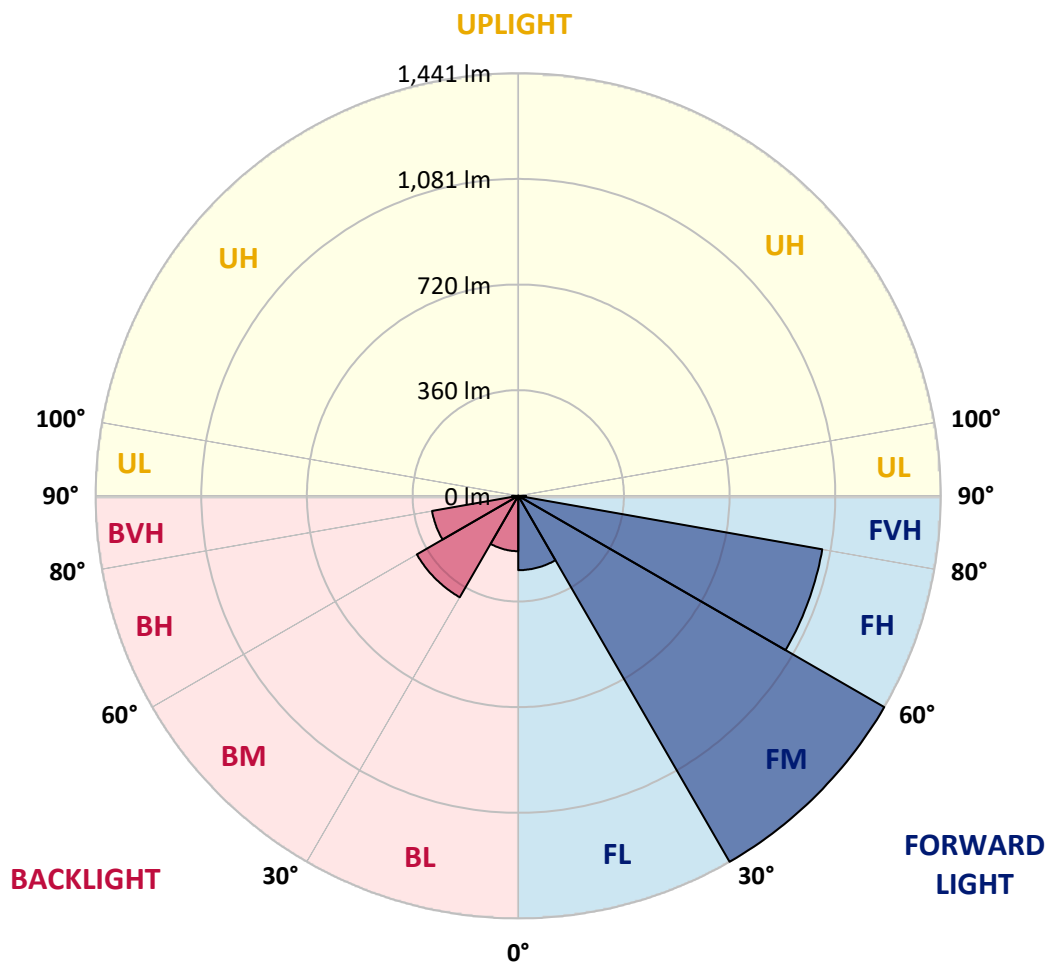
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.5	6.9			
FM (30°-60°)	1440.7	39.1			
FH (60°-80°)	1052.4	28.6			G1/1800
FVH (80°-90°)	26.9	0.7			G1/100
BL (0°-30°)	188.8	5.1	B1/500		
BM (30°-60°)	399.2	10.8	B1/1000		
BH (60°-80°)	298.2	8.1	B1/500		G1/500
BVH (80°-90°)	21.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7
2.5°	552.6	555.7	554.7	553.7	553.7	552.4	552.2	550.2	548.7	546.1
5°	559.6	562.9	562.5	563.3	565.9	566.4	567.0	565.9	562.7	559.6
7.5°	553.4	557.1	558.2	562.9	570.7	577.8	583.0	585.2	582.3	577.8
10°	532.3	536.4	540.5	551.6	565.5	582.1	596.1	604.5	603.9	599.6
12.5°	489.5	493.8	502.6	524.3	549.6	578.9	605.1	622.7	628.7	625.6
15°	455.3	459.0	465.7	487.9	520.9	565.5	608.4	642.6	658.0	656.3
17.5°	454.3	455.9	460.0	470.5	495.9	544.4	604.9	662.1	691.6	691.4
20°	471.5	472.1	474.4	476.6	491.0	528.4	595.9	678.4	729.3	729.3
22.5°	495.3	495.0	497.3	495.3	502.4	527.0	590.3	692.6	771.3	774.5
25°	531.1	529.1	528.5	524.1	525.4	539.7	596.5	708.8	821.1	827.6
27.5°	578.7	575.6	573.5	563.1	559.6	565.9	615.7	728.4	876.6	887.7
30°	640.9	635.2	632.1	614.1	601.4	602.4	644.6	754.3	934.6	952.6
32.5°	725.6	716.8	708.4	678.9	655.7	648.1	681.9	790.3	997.5	1026.2
35°	820.6	813.5	804.5	759.0	723.3	705.7	732.3	840.5	1071.2	1116.7
37.5°	912.0	905.9	910.2	848.9	802.8	777.2	798.3	907.9	1162.0	1229.2
40°	1006.5	1001.8	1002.4	943.8	890.1	861.4	878.4	992.4	1266.1	1363.0
42.5°	1109.2	1105.7	1094.0	1042.1	981.7	954.9	970.6	1090.1	1377.8	1515.3
45°	1224.3	1222.1	1211.2	1151.6	1082.5	1052.4	1073.5	1197.9	1490.1	1658.7
47.5°	1323.7	1325.5	1324.1	1273.9	1202.2	1158.1	1183.3	1310.4	1594.6	1793.5
50°	1371.6	1380.7	1394.2	1378.6	1334.1	1289.1	1294.0	1419.0	1694.2	1919.8
52.5°	1346.6	1363.9	1400.7	1425.7	1442.9	1433.5	1420.4	1526.8	1788.0	2033.9
55°	1253.4	1277.8	1338.8	1399.1	1486.8	1555.0	1572.2	1646.4	1879.4	2134.3
57.5°	1083.7	1123.3	1178.0	1300.1	1447.7	1613.8	1749.1	1812.2	1976.3	2241.5
60°	792.6	845.8	913.7	1095.4	1311.0	1582.3	1899.7	2066.9	2114.0	2380.4
62.5°	507.3	540.1	602.6	773.7	1021.5	1421.2	1945.8	2385.3	2347.4	2608.2
65°	347.3	368.4	425.6	521.7	660.4	1057.9	1822.4	2624.0	2718.1	2969.1
67.5°	252.4	268.4	317.2	401.4	430.3	626.0	1414.1	2613.0	3078.5	3341.0
70°	184.0	195.3	236.3	317.2	331.1	348.3	856.7	2221.2	3070.7	3439.9
72.5°	136.3	144.1	171.7	246.1	268.0	235.2	424.0	1614.4	2638.6	3111.3
75°	98.6	104.5	124.8	188.3	214.5	179.1	211.5	943.4	1840.5	2188.6
77.5°	75.4	79.9	93.2	137.9	171.7	134.4	131.3	434.0	872.7	877.0
80°	60.6	63.5	70.7	97.1	131.6	100.6	85.6	175.2	275.8	233.4
82.5°	44.5	49.4	59.8	68.2	94.1	69.3	52.2	88.5	104.9	90.2
85°	25.4	28.7	36.1	48.8	60.2	42.4	29.9	39.3	48.8	40.0
87.5°	9.0	11.7	12.7	19.1	26.2	17.6	11.5	11.3	16.0	11.9
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°
539.7	0°	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7
545.5	2.5°	543.6	542.6	538.7	533.4	528.0	522.7	520.9	517.2	514.7	513.3
558.2	5°	554.5	551.4	542.2	530.5	518.2	504.9	495.5	486.9	480.7	474.8
575.6	7.5°	570.2	564.7	548.9	528.4	506.5	484.4	468.0	455.5	447.1	441.6
595.9	10°	588.3	579.9	555.7	525.0	491.2	459.6	440.3	429.5	424.2	421.3
619.2	12.5°	609.2	597.3	562.7	517.4	468.0	431.9	418.6	415.5	415.6	415.8
648.5	15°	635.0	618.4	568.4	500.8	437.7	410.6	408.2	413.3	418.6	421.1
681.7	17.5°	664.1	640.7	569.4	473.5	408.0	396.9	404.3	415.3	423.3	426.8
718.8	20°	695.4	663.3	562.3	434.8	383.6	385.8	399.0	413.1	421.9	426.4
761.2	22.5°	731.1	687.5	545.5	394.2	363.7	373.7	389.3	403.0	412.1	416.6
811.0	25°	771.9	714.7	519.2	360.0	346.5	360.0	375.6	386.9	394.4	398.5
866.7	27.5°	817.2	743.0	484.0	332.8	331.5	345.9	358.8	367.6	371.5	374.6
925.8	30°	862.7	768.8	441.4	312.3	318.4	332.1	341.2	345.1	346.3	346.9
991.9	32.5°	912.0	791.1	396.7	295.3	305.9	318.6	324.0	325.8	320.3	316.6
1071.9	35°	971.5	814.9	353.0	281.9	293.6	304.5	306.3	304.7	298.3	290.6
1172.3	37.5°	1045.2	844.6	318.0	272.3	282.0	289.3	287.1	286.7	287.3	278.3
1293.0	40°	1135.4	883.3	292.4	264.9	272.7	274.2	268.2	271.5	274.4	260.8
1425.5	42.5°	1235.6	929.9	276.2	259.8	264.9	261.1	251.8	255.5	255.1	237.1
1558.5	45°	1337.8	980.7	270.5	256.1	257.6	250.2	239.9	240.8	232.6	216.4
1686.0	47.5°	1439.3	1035.2	274.0	252.9	248.6	240.2	232.2	227.9	215.8	203.7
1808.3	50°	1539.0	1092.4	286.9	246.7	236.3	231.5	225.6	218.0	205.1	194.7
1923.9	52.5°	1631.3	1150.1	301.4	236.3	220.9	223.8	220.1	211.3	198.6	188.1
2033.3	55°	1718.9	1207.7	307.0	222.1	206.5	217.2	215.1	198.8	183.6	175.0
2147.8	57.5°	1814.2	1277.0	300.8	203.9	194.7	209.6	201.4	183.4	174.6	168.2
2296.8	60°	1946.2	1385.8	287.3	181.5	183.6	198.3	184.2	176.8	167.2	160.0
2520.3	62.5°	2165.6	1588.8	265.6	159.2	170.5	181.5	176.0	168.6	158.8	151.8
2902.3	65°	2489.8	1870.8	224.8	141.8	155.9	165.0	167.2	159.8	149.6	142.2
3237.1	67.5°	2763.3	2047.8	170.1	127.4	140.8	151.8	157.8	150.6	139.9	132.6
3315.4	70°	2748.2	1919.3	129.9	113.1	127.5	138.7	146.5	140.8	129.3	122.5
3011.5	72.5°	2441.0	1605.6	105.1	98.6	114.1	125.0	134.4	130.1	118.4	111.7
2206.2	75°	1793.3	1139.7	84.0	84.0	97.3	110.7	121.1	118.4	107.6	102.9
926.2	77.5°	755.9	478.2	65.8	69.7	80.9	95.1	108.0	109.0	99.6	105.5
244.9	80°	201.0	131.8	50.2	54.9	63.5	78.5	94.0	93.6	83.4	77.9
91.0	82.5°	76.6	52.0	35.7	38.7	45.9	60.2	74.4	76.8	66.6	57.6
35.7	85°	29.5	22.3	22.1	23.2	26.8	39.8	56.3	58.2	50.2	42.6
10.0	87.5°	7.6	6.6	8.2	7.8	12.3	21.3	32.2	33.4	30.7	17.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
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539.7
514.9
477.2
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422.1
416.2
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427.6
427.6
417.8
399.6
375.8
348.3
317.8
291.0
278.9
261.1
236.9
217.0
203.7
194.0
188.3
174.2
167.6
159.6
151.8
142.6
132.8
123.1
111.7
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43.9
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