

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: P845782

Luminaire Tested: **GLAN-SB1A-835-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-835-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2593 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

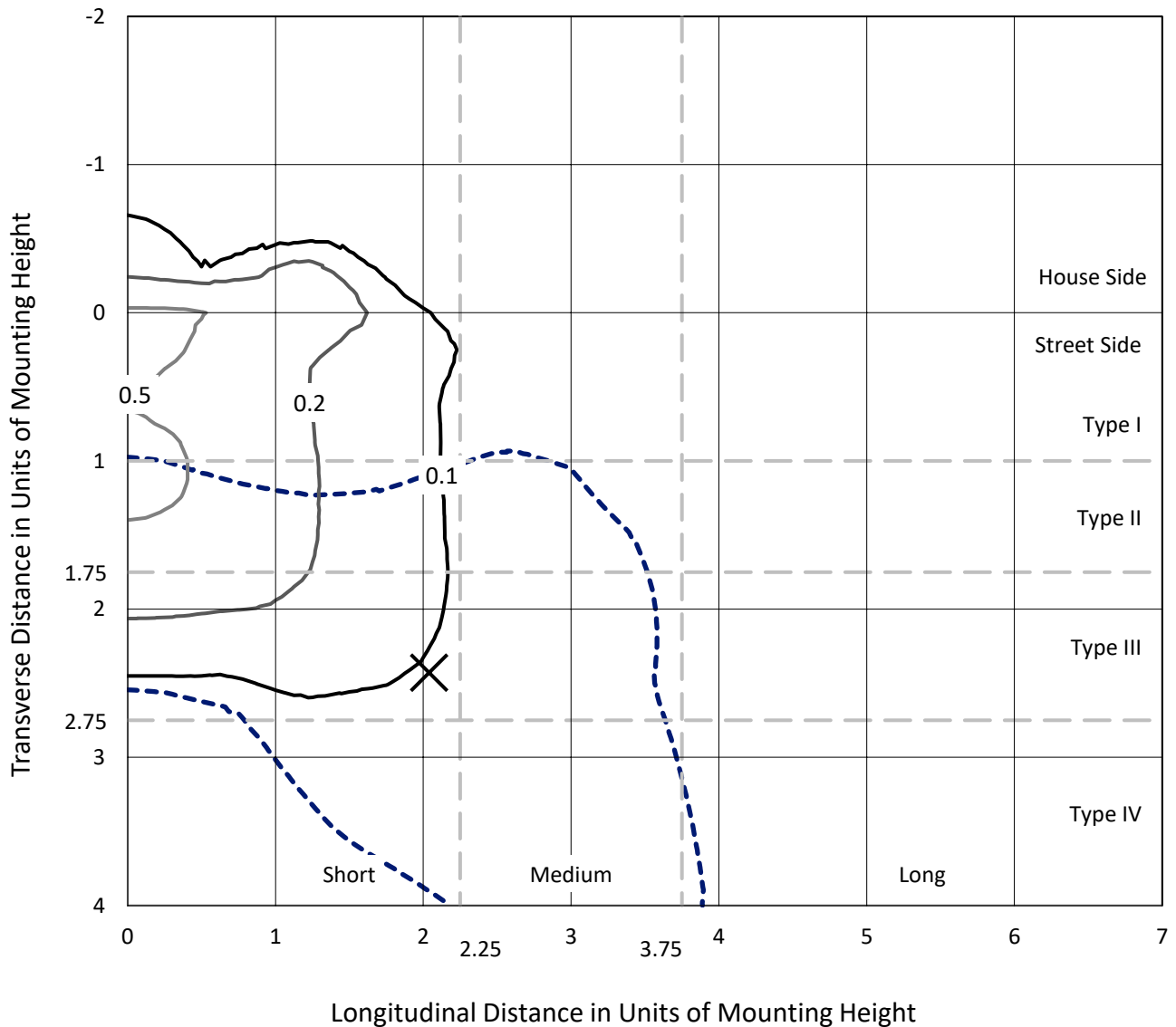
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

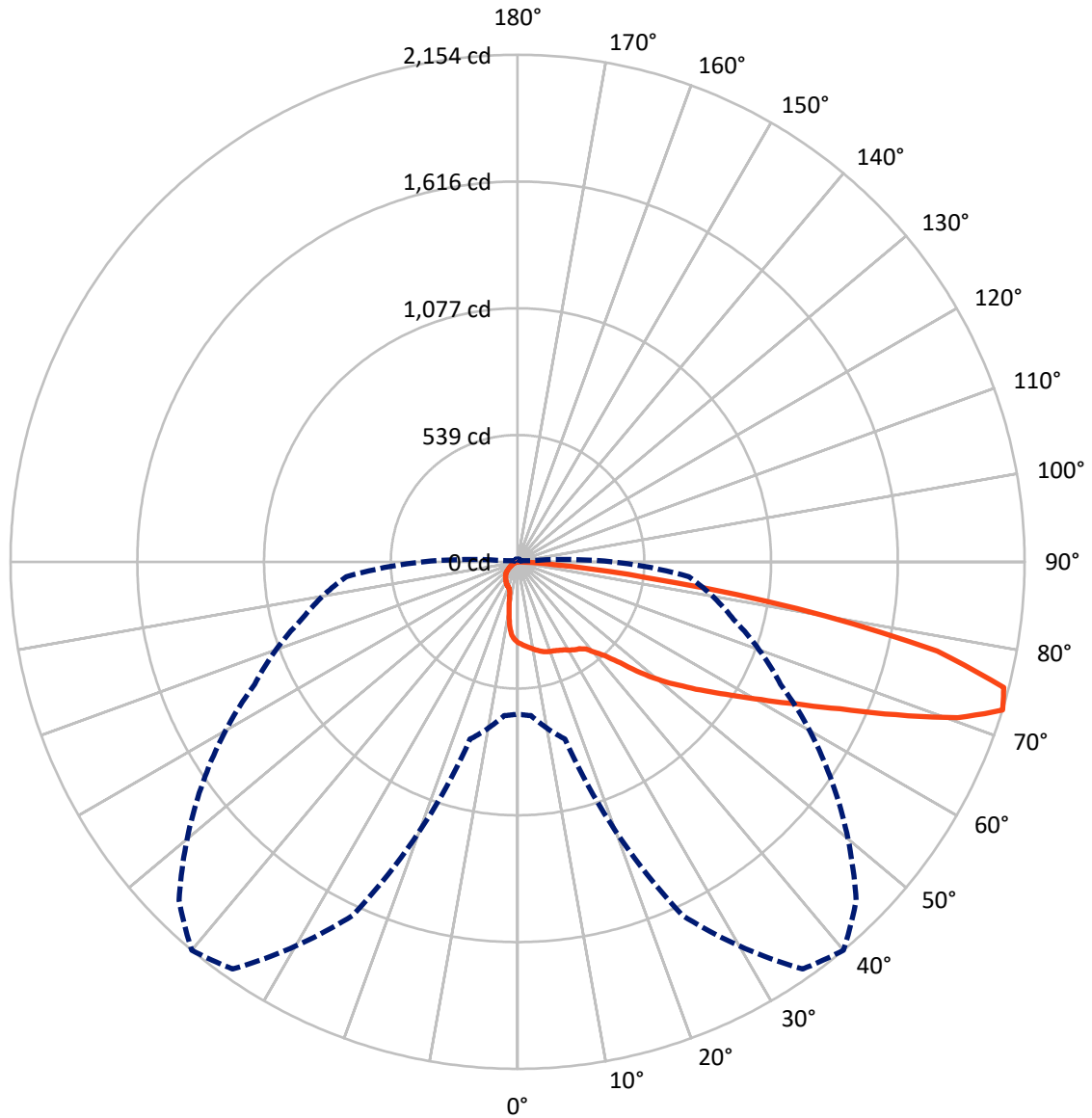
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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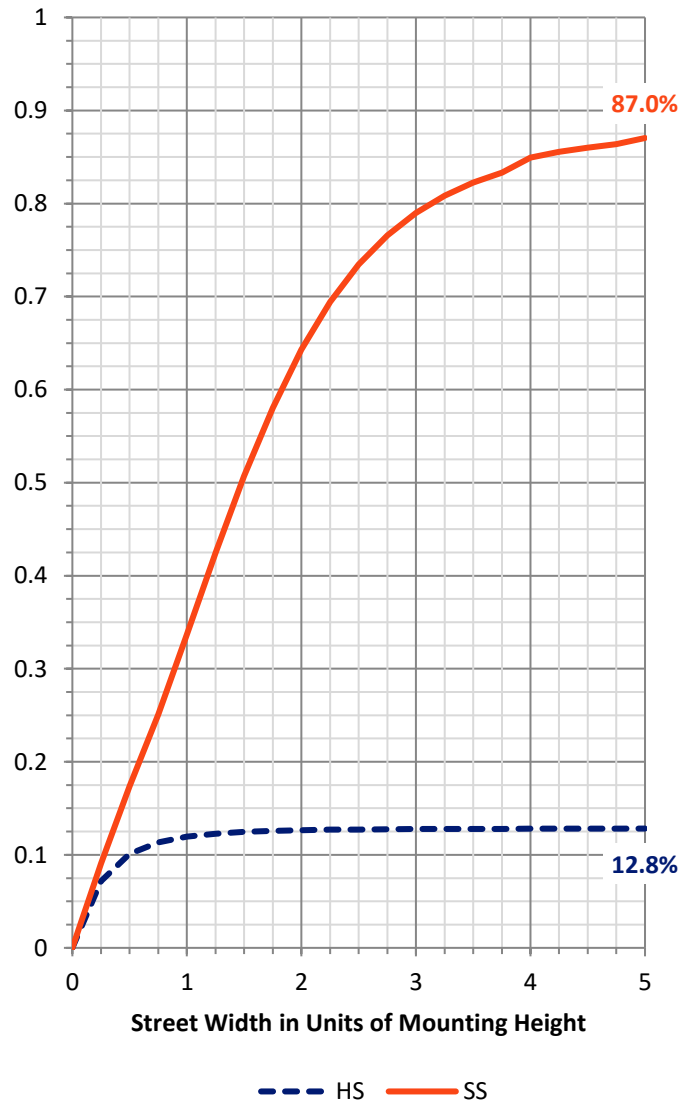
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	334.9	0.0	334.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	2258.1	0.0	2258.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	2593.0	0.0	2593.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	1.2
10°-20°	85.2	3.3
20°-30°	137.8	5.3
30°-40°	203.4	7.8
40°-50°	342.4	13.2
50°-60°	531.6	20.5
60°-70°	665.2	25.7
70°-80°	544.6	21.0
80°-90°	51.6	2.0
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°	2593.0	100.0
0°-180°	2593.0	100.0

Coefficient of Utilization



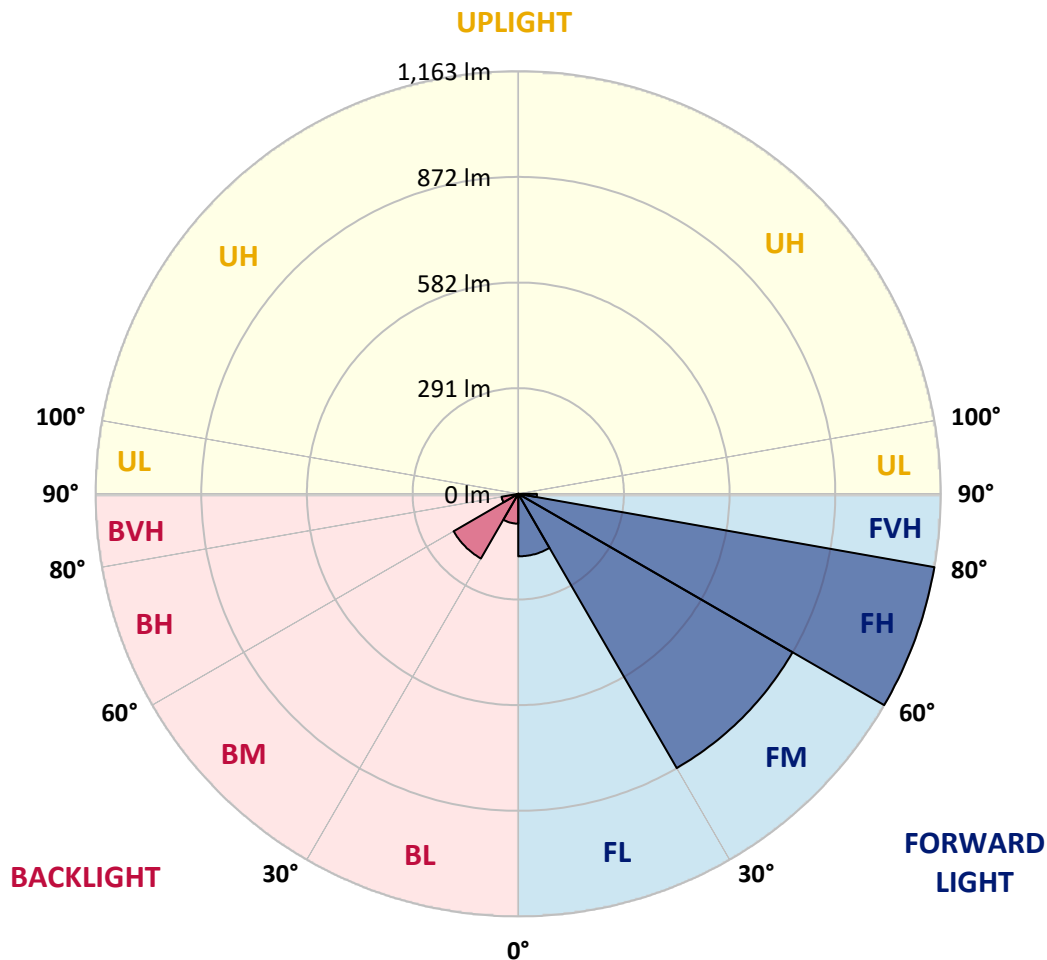
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.1	6.6			
FM (30°-60°)	871.7	33.6			
FH (60°-80°)	1163.1	44.9			G1/1800
FVH (80°-90°)	51.2	2.0			G1/100
BL (0°-30°)	82.2	3.2	B0/110		
BM (30°-60°)	205.6	7.9	B0/220		
BH (60°-80°)	46.6	1.8	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3
2.5°	353.7	355.1	354.3	352.7	352.3	351.5	350.6	350.2	348.8	347.6
5°	363.6	365.0	364.0	361.9	360.9	359.9	358.6	357.4	354.7	352.1
7.5°	374.6	375.8	374.6	371.5	369.9	368.7	366.8	365.0	361.9	358.2
10°	386.7	387.7	385.9	381.8	379.3	377.5	375.8	373.8	370.9	366.8
12.5°	398.0	399.2	396.5	391.6	388.6	386.9	384.9	383.4	380.4	376.5
15°	408.4	410.1	405.4	400.2	396.8	395.5	393.5	392.5	390.6	387.9
17.5°	416.2	417.4	412.5	406.2	402.5	401.5	400.2	400.8	400.4	399.0
20°	422.8	423.6	417.2	409.5	405.4	405.6	405.2	407.2	408.0	408.0
22.5°	431.0	431.2	423.0	413.4	408.6	409.9	410.5	412.7	414.2	415.8
25°	441.8	441.4	431.6	418.5	414.2	416.2	417.5	418.3	420.1	422.6
27.5°	457.8	456.6	444.1	426.7	421.6	423.4	425.9	425.6	424.8	426.7
30°	478.1	476.5	459.9	438.2	433.6	435.1	435.9	432.4	426.7	428.5
32.5°	510.3	507.6	484.5	451.1	443.9	445.7	444.7	437.5	429.1	430.8
35°	566.4	559.7	527.1	478.1	455.6	453.7	451.3	444.3	434.0	432.2
37.5°	685.5	673.8	618.1	530.6	482.2	469.5	462.3	455.2	439.2	432.2
40°	819.9	807.9	743.7	618.5	526.3	504.8	487.7	468.1	444.7	434.7
42.5°	960.1	947.0	881.0	727.5	589.4	545.3	513.2	478.5	453.7	442.5
45°	1116.7	1100.3	1014.0	841.1	681.0	612.5	554.5	499.8	469.3	456.4
47.5°	1281.9	1260.6	1146.6	951.5	779.6	705.4	629.8	537.9	492.3	477.1
50°	1428.4	1407.3	1283.5	1066.9	871.8	793.9	715.8	590.6	526.9	506.4
52.5°	1533.7	1517.7	1408.1	1186.0	967.7	876.9	793.7	651.9	570.7	543.9
55°	1604.2	1589.5	1496.4	1298.9	1079.2	968.3	870.4	718.5	623.4	588.8
57.5°	1646.9	1638.6	1560.2	1399.7	1189.8	1068.3	958.3	791.7	685.5	641.7
60°	1662.2	1655.3	1599.9	1495.8	1323.3	1188.4	1061.6	874.4	760.9	701.9
62.5°	1621.6	1622.9	1628.4	1609.6	1464.2	1329.0	1185.5	973.6	844.5	770.1
65°	1430.4	1441.7	1545.6	1735.8	1650.7	1505.2	1343.1	1094.6	940.2	847.6
67.5°	1184.3	1200.7	1330.0	1809.6	1849.5	1733.9	1562.6	1248.9	1054.2	926.5
70°	906.6	924.2	1080.8	1794.2	2035.6	1983.8	1834.0	1445.2	1172.4	981.2
72.5°	647.0	656.0	779.4	1656.9	2112.0	2154.1	2034.0	1631.1	1232.7	950.9
75°	454.7	453.1	534.9	1334.3	1993.0	2133.4	1963.9	1530.6	1115.5	755.4
77.5°	198.0	198.4	267.2	810.3	1590.7	1822.1	1632.5	958.7	777.7	400.4
80°	51.4	52.9	98.0	322.6	957.7	1202.6	995.6	421.5	359.3	97.6
82.5°	18.2	19.3	45.1	101.4	353.3	551.5	443.3	134.8	93.7	27.9
85°	5.3	6.2	24.2	31.1	73.0	155.8	107.6	26.2	23.0	14.5
87.5°	0.0	0.8	4.9	4.3	4.3	2.9	5.5	2.9	3.7	1.8
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°
343.3	0°	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3	343.3
346.3	2.5°	345.1	343.7	340.8	337.7	334.7	332.0	331.2	328.3	326.9	327.1
349.0	5°	346.8	344.3	338.6	331.8	324.8	316.8	310.1	300.8	292.8	291.8
354.3	7.5°	351.5	347.4	338.3	325.0	307.4	285.3	264.8	244.5	233.0	226.7
362.1	10°	358.8	353.3	339.2	313.8	276.5	237.1	206.0	180.5	167.4	161.3
371.7	12.5°	367.4	361.3	340.8	294.9	236.7	184.9	151.4	135.7	133.0	132.6
383.4	15°	379.5	372.8	342.6	269.3	193.5	140.8	125.4	125.6	127.7	128.9
396.1	17.5°	392.9	386.3	340.0	238.1	151.0	120.3	119.9	121.7	124.8	126.0
407.8	20°	406.6	400.4	331.0	201.4	122.1	114.6	116.2	118.2	121.3	122.8
419.3	22.5°	420.7	415.2	316.8	162.3	110.1	110.5	112.5	114.4	118.0	119.7
430.6	25°	435.7	431.0	297.8	130.1	105.1	106.2	108.8	111.1	114.8	117.0
440.2	27.5°	450.9	447.4	276.3	108.6	100.4	101.8	104.7	107.8	111.5	114.1
448.6	30°	467.5	465.6	259.2	100.6	95.9	97.1	100.4	103.9	108.0	111.1
457.0	32.5°	484.5	484.1	250.8	106.4	91.8	92.6	95.5	99.0	104.1	108.0
464.0	35°	501.3	502.1	245.9	123.0	90.4	88.3	90.2	93.4	99.4	104.3
472.0	37.5°	522.8	524.8	245.7	141.0	93.7	84.0	85.3	87.5	92.8	98.4
484.5	40°	554.8	565.2	258.2	156.4	99.6	80.1	80.5	80.9	83.6	88.3
501.1	42.5°	597.4	627.7	303.3	167.0	101.9	76.6	75.2	73.0	72.7	75.2
523.8	45°	650.3	703.3	382.6	172.8	99.6	72.7	68.9	63.3	61.1	62.9
554.5	47.5°	712.6	786.1	476.5	174.2	95.7	67.8	61.1	53.7	51.9	52.5
595.7	50°	773.4	848.2	559.1	162.9	89.3	61.5	52.5	46.3	45.1	45.3
644.3	52.5°	827.1	869.5	582.6	136.1	80.7	53.9	45.1	40.8	40.0	40.0
698.0	55°	862.6	846.4	519.5	104.1	69.9	46.1	38.7	36.5	36.1	35.9
758.0	57.5°	870.1	771.4	392.4	75.2	54.7	38.9	34.4	33.2	32.4	31.6
819.5	60°	843.5	646.4	249.8	52.5	41.0	33.2	30.5	29.7	28.1	26.6
877.3	62.5°	786.1	488.2	138.3	36.5	33.0	28.3	27.0	26.0	23.0	20.5
923.2	65°	708.9	324.6	61.1	28.5	27.0	23.8	23.0	21.7	18.2	15.2
940.6	67.5°	631.4	186.9	27.5	22.8	21.7	19.5	18.9	18.0	15.4	12.7
896.2	70°	542.9	94.7	18.9	18.2	16.8	14.8	15.4	15.2	12.7	10.4
731.0	72.5°	404.3	47.1	14.3	13.7	12.1	10.5	12.7	12.5	10.0	7.8
450.7	75°	228.9	23.2	10.4	9.6	7.2	7.8	10.2	9.6	6.8	5.1
190.2	77.5°	90.8	11.9	6.8	5.9	4.3	5.3	7.4	6.4	3.5	2.1
36.3	80°	20.9	5.9	3.5	2.5	2.0	3.1	3.9	2.3	1.0	0.2
9.8	82.5°	5.9	2.5	1.2	1.0	1.0	1.2	1.0	0.4	0.0	0.0
2.5	85°	2.0	1.2	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.8	87.5°	0.8	0.4	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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180°
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343.3
326.9
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119.7
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114.2
111.5
108.4
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