

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: P845942

Luminaire Tested: **GLAN-SB1B-830-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845942  
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-SB1B-830-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 450mA 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: 3376 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

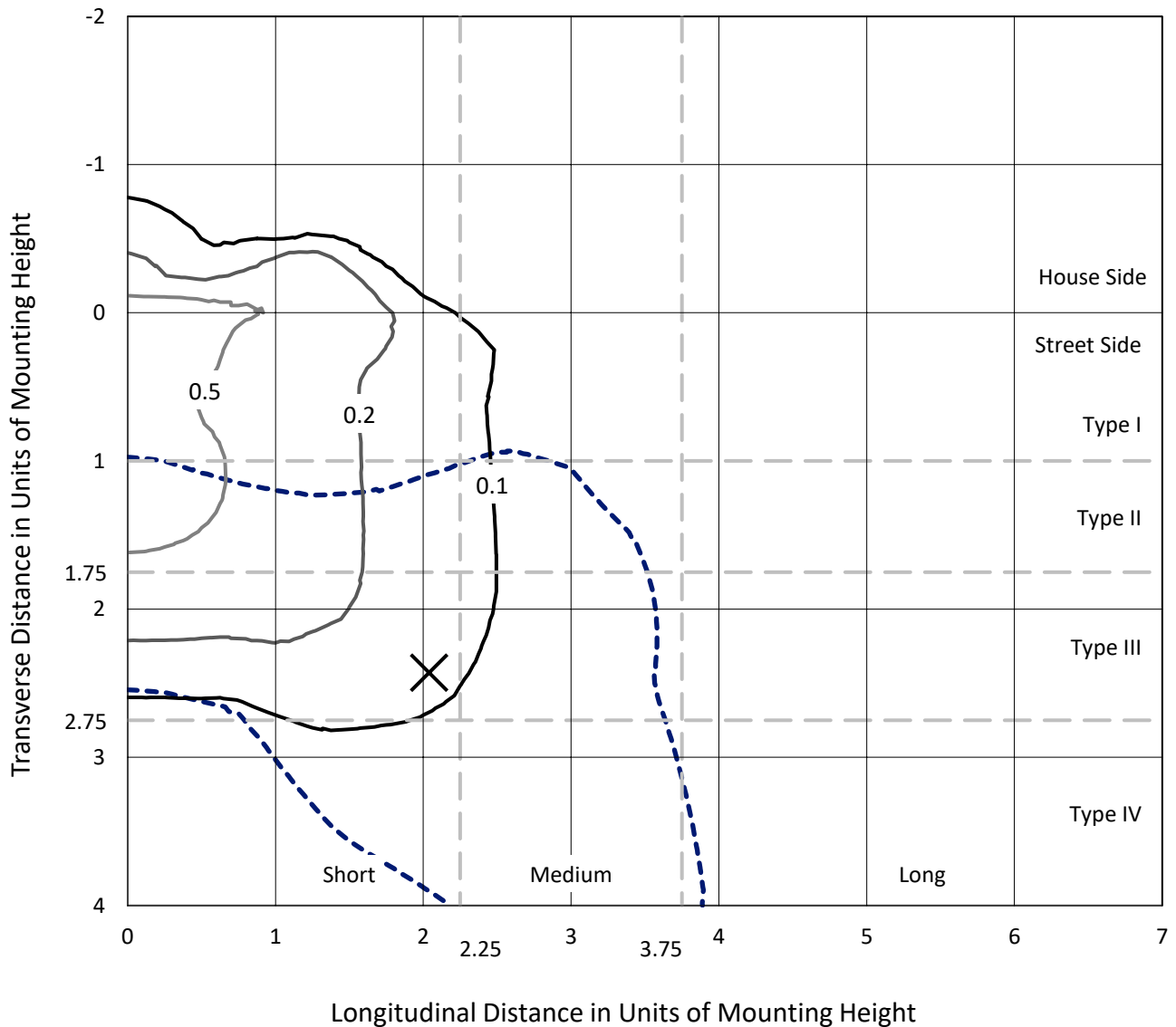
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

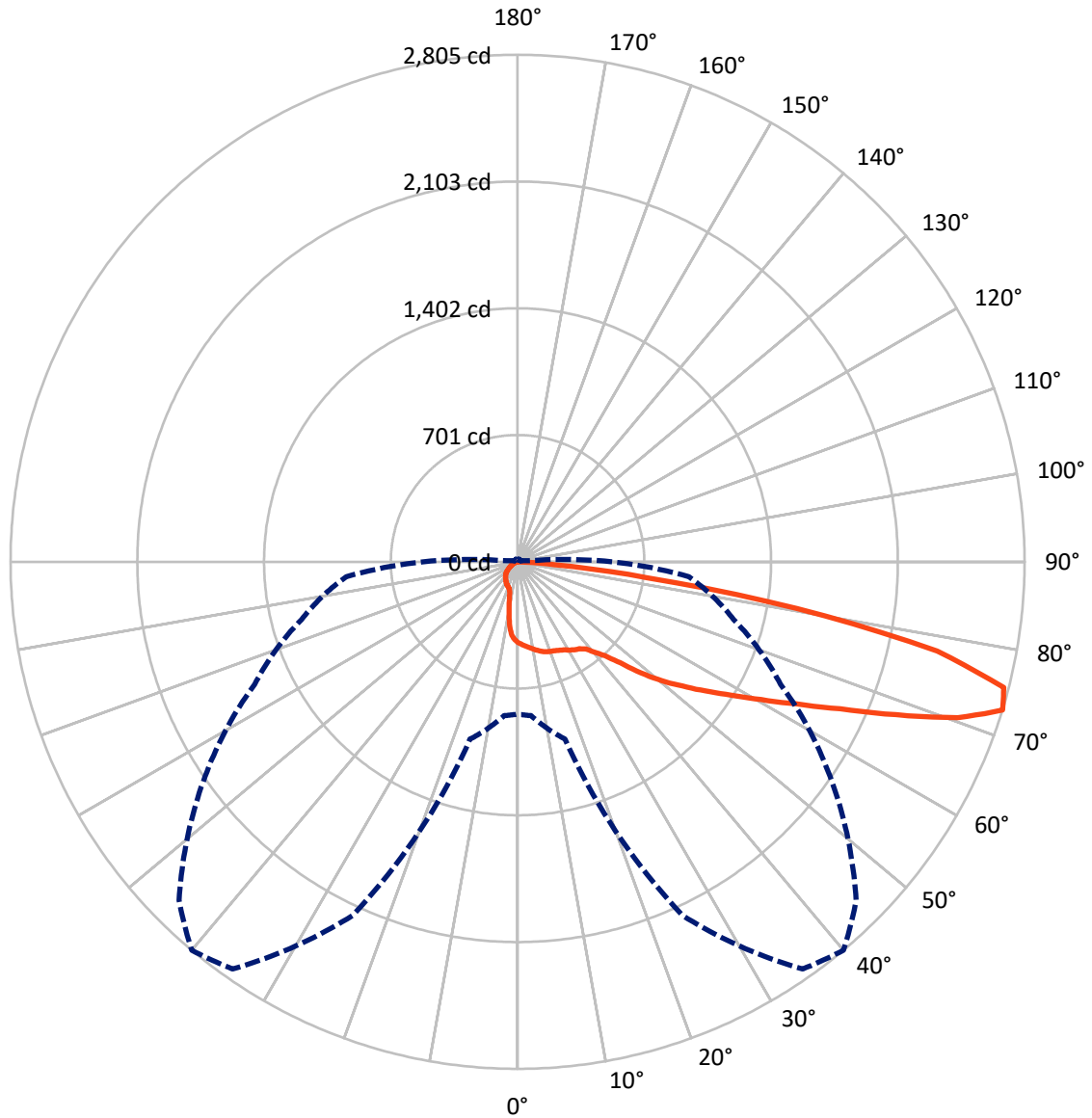
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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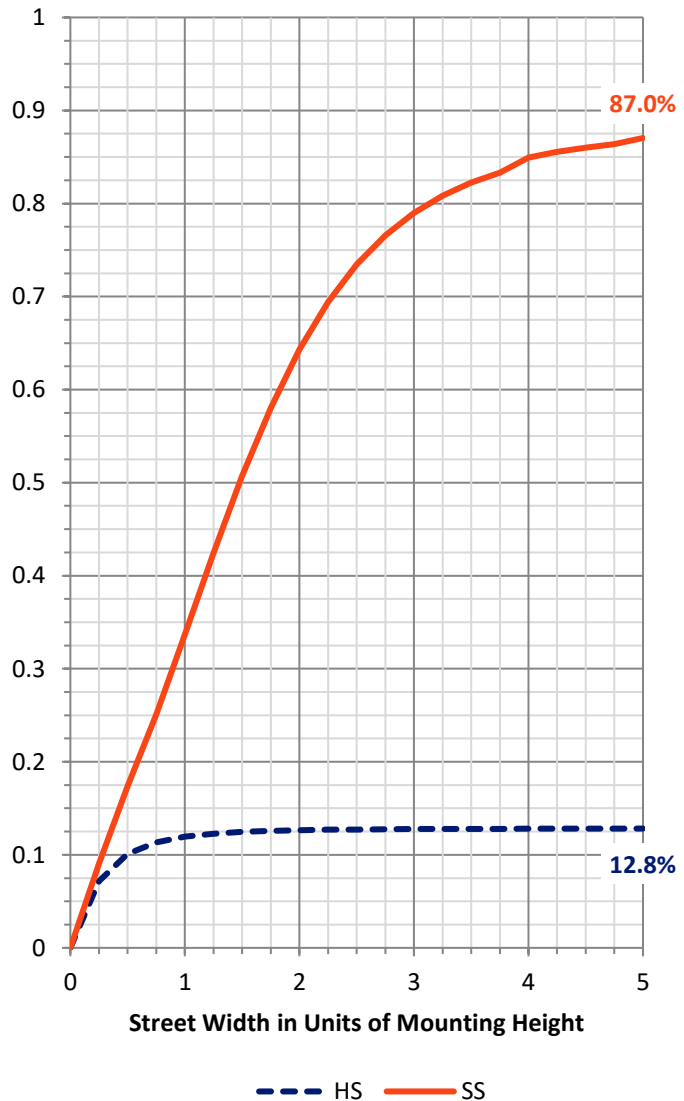
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	436.0	0.0	436.0
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2940.0	0.0	2940.0
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	3376.0	0.0	3376.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.8	1.2
10°-20°	110.9	3.3
20°-30°	179.4	5.3
30°-40°	264.8	7.8
40°-50°	445.7	13.2
50°-60°	692.1	20.5
60°-70°	866.0	25.7
70°-80°	709.0	21.0
80°-90°	67.2	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°	3376.0	100.0
0°-180°	3376.0	100.0

**Coefficient of Utilization**



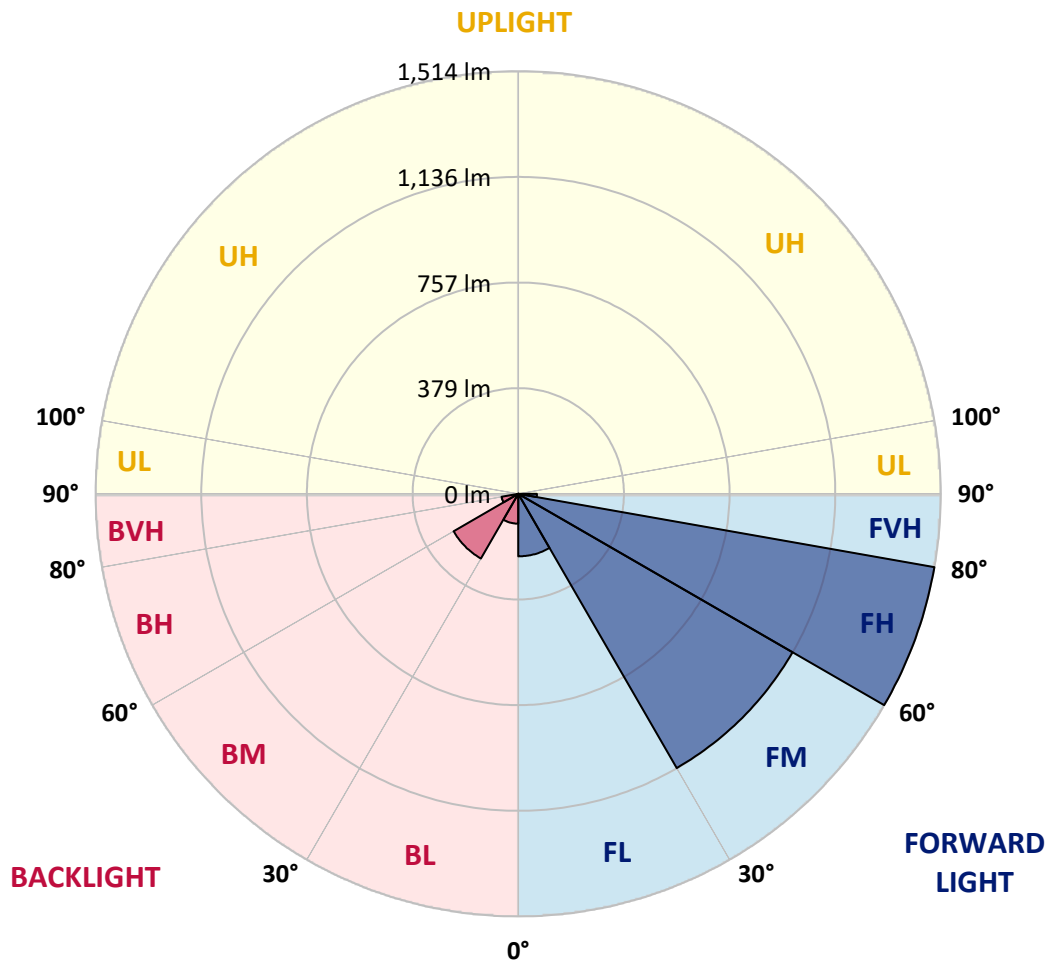
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.1	6.6			
FM (30°-60°)	1135.0	33.6			
FH (60°-80°)	1514.3	44.9			G1/1800
FVH (80°-90°)	66.7	2.0			G1/100
BL (0°-30°)	107.0	3.2	B0/110		
BM (30°-60°)	267.7	7.9	B1/1000		
BH (60°-80°)	60.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0
2.5°	460.5	462.3	461.2	459.2	458.7	457.7	456.4	455.9	454.1	452.6
5°	473.5	475.2	474.0	471.2	469.9	468.6	466.8	465.3	461.8	458.5
7.5°	487.7	489.2	487.7	483.6	481.6	480.1	477.5	475.2	471.2	466.3
10°	503.5	504.7	502.4	497.1	493.8	491.5	489.2	486.7	482.9	477.5
12.5°	518.2	519.7	516.2	509.8	506.0	503.7	501.2	499.1	495.3	490.2
15°	531.7	534.0	527.9	521.0	516.7	514.9	512.4	511.1	508.5	505.0
17.5°	541.9	543.4	537.0	528.9	524.1	522.8	521.0	521.8	521.3	519.5
20°	550.5	551.5	543.1	533.2	527.9	528.1	527.6	530.2	531.2	531.2
22.5°	561.2	561.4	550.8	538.3	531.9	533.7	534.5	537.3	539.3	541.3
25°	575.2	574.7	561.9	544.9	539.3	541.9	543.6	544.7	546.9	550.2
27.5°	596.0	594.5	578.2	555.6	549.0	551.3	554.6	554.1	553.0	555.6
30°	622.5	620.4	598.8	570.6	564.5	566.5	567.5	563.0	555.6	557.9
32.5°	664.4	660.9	630.8	587.4	578.0	580.2	579.0	569.6	558.6	560.9
35°	737.4	728.7	686.3	622.5	593.2	590.7	587.6	578.5	565.0	562.7
37.5°	892.5	877.2	804.8	690.9	627.8	611.3	601.9	592.7	571.9	562.7
40°	1067.4	1051.9	968.3	805.3	685.3	657.3	634.9	609.5	579.0	566.0
42.5°	1250.0	1233.0	1147.0	947.2	767.4	709.9	668.2	623.0	590.7	576.2
45°	1453.9	1432.6	1320.2	1095.1	886.6	797.4	721.9	650.7	611.0	594.2
47.5°	1669.0	1641.3	1492.8	1238.8	1015.1	918.4	820.0	700.3	641.0	621.2
50°	1859.7	1832.3	1671.1	1389.1	1135.1	1033.6	931.9	768.9	686.0	659.3
52.5°	1996.8	1975.9	1833.3	1544.2	1259.9	1141.7	1033.4	848.8	743.0	708.1
55°	2088.6	2069.5	1948.2	1691.2	1405.1	1260.7	1133.3	935.5	811.6	766.6
57.5°	2144.3	2133.3	2031.4	1822.4	1549.0	1390.9	1247.7	1030.8	892.5	835.5
60°	2164.1	2155.2	2083.0	1947.5	1722.9	1547.2	1382.2	1138.4	990.6	913.9
62.5°	2111.2	2113.0	2120.1	2095.7	1906.3	1730.3	1543.4	1267.5	1099.5	1002.6
65°	1862.3	1877.0	2012.3	2260.0	2149.1	1959.7	1748.6	1425.2	1224.1	1103.5
67.5°	1541.9	1563.3	1731.6	2356.1	2408.0	2257.4	2034.4	1626.1	1372.6	1206.3
70°	1180.3	1203.2	1407.1	2336.0	2650.3	2582.9	2387.9	1881.6	1526.4	1277.5
72.5°	842.4	854.1	1014.8	2157.2	2749.7	2804.6	2648.2	2123.7	1605.0	1238.0
75°	591.9	589.9	696.5	1737.2	2594.8	2777.7	2557.0	1992.7	1452.4	983.5
77.5°	257.8	258.3	347.8	1055.0	2071.0	2372.4	2125.5	1248.2	1012.5	521.3
80°	66.9	68.9	127.6	420.1	1246.9	1565.8	1296.3	548.7	467.9	127.1
82.5°	23.6	25.2	58.7	132.0	460.0	718.1	577.2	175.4	122.1	36.4
85°	6.9	8.1	31.5	40.4	95.1	202.9	140.1	34.1	30.0	18.8
87.5°	0.0	1.0	6.4	5.6	5.6	3.8	7.1	3.8	4.8	2.3
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°
447.0	0°	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0
450.8	2.5°	449.3	447.5	443.7	439.6	435.8	432.3	431.2	427.4	425.7	425.9
454.4	5°	451.6	448.3	440.9	432.0	422.9	412.4	403.8	391.6	381.2	379.9
461.2	7.5°	457.7	452.3	440.4	423.1	400.2	371.5	344.8	318.3	303.3	295.2
471.4	10°	467.1	460.0	441.7	408.6	360.0	308.7	268.3	234.9	217.9	210.0
483.9	12.5°	478.3	470.4	443.7	384.0	308.2	240.8	197.1	176.7	173.2	172.7
499.1	15°	494.1	485.4	446.0	350.6	252.0	183.3	163.2	163.5	166.3	167.8
515.7	17.5°	511.6	502.9	442.7	310.0	196.6	156.6	156.1	158.4	162.5	164.0
530.9	20°	529.4	521.3	431.0	262.2	158.9	149.3	151.3	153.8	157.9	159.9
545.9	22.5°	547.7	540.6	412.4	211.3	143.4	143.9	146.5	149.0	153.6	155.9
560.7	25°	567.3	561.2	387.8	169.3	136.8	138.3	141.6	144.7	149.5	152.3
573.1	27.5°	587.1	582.5	359.8	141.4	130.7	132.5	136.3	140.4	145.2	148.5
584.1	30°	608.7	606.2	337.4	130.9	124.8	126.4	130.7	135.3	140.6	144.7
595.0	32.5°	630.8	630.3	326.5	138.6	119.5	120.5	124.3	128.9	135.5	140.6
604.1	35°	652.7	653.7	320.1	160.2	117.7	114.9	117.5	121.5	129.4	135.8
614.6	37.5°	680.7	683.2	319.9	183.6	122.1	109.3	111.1	113.9	120.8	128.2
630.8	40°	722.4	735.9	336.1	203.7	129.7	104.3	104.8	105.3	108.8	114.9
652.5	42.5°	777.8	817.2	394.9	217.4	132.7	99.7	97.9	95.1	94.6	97.9
682.0	45°	846.7	915.6	498.1	225.0	129.7	94.6	89.8	82.4	79.6	81.9
721.9	47.5°	927.8	1023.4	620.4	226.8	124.6	88.2	79.6	69.9	67.6	68.4
775.5	50°	1006.9	1104.3	728.0	212.1	116.2	80.1	68.4	60.3	58.7	59.0
838.8	52.5°	1076.8	1132.0	758.5	177.2	105.0	70.2	58.7	53.1	52.1	52.1
908.8	55°	1123.1	1102.0	676.4	135.5	91.0	60.0	50.3	47.5	47.0	46.8
986.8	57.5°	1132.8	1004.4	510.8	97.9	71.2	50.6	44.8	43.2	42.2	41.2
1066.9	60°	1098.2	841.6	325.2	68.4	53.4	43.2	39.7	38.6	36.6	34.6
1142.2	62.5°	1023.4	635.7	180.0	47.5	43.0	36.9	35.1	33.8	30.0	26.7
1201.9	65°	923.0	422.6	79.6	37.1	35.1	31.0	30.0	28.2	23.6	19.8
1224.6	67.5°	822.1	243.3	35.9	29.7	28.2	25.4	24.7	23.4	20.1	16.5
1166.9	70°	706.9	123.3	24.7	23.6	21.9	19.3	20.1	19.8	16.5	13.5
951.7	72.5°	526.3	61.3	18.6	17.8	15.8	13.7	16.5	16.3	13.0	10.2
586.9	75°	298.0	30.3	13.5	12.5	9.4	10.2	13.2	12.5	8.9	6.6
247.7	77.5°	118.2	15.5	8.9	7.6	5.6	6.9	9.7	8.4	4.6	2.8
47.3	80°	27.2	7.6	4.6	3.3	2.5	4.1	5.1	3.1	1.3	0.3
12.7	82.5°	7.6	3.3	1.5	1.3	1.3	1.5	1.3	0.5	0.0	0.0
3.3	85°	2.5	1.5	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.0	87.5°	1.0	0.5	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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447.0
425.7
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