

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: P846112

Luminaire Tested: **GLAN-SB1C-830-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846112  
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-SB1C-830-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 615mA 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: 4490 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

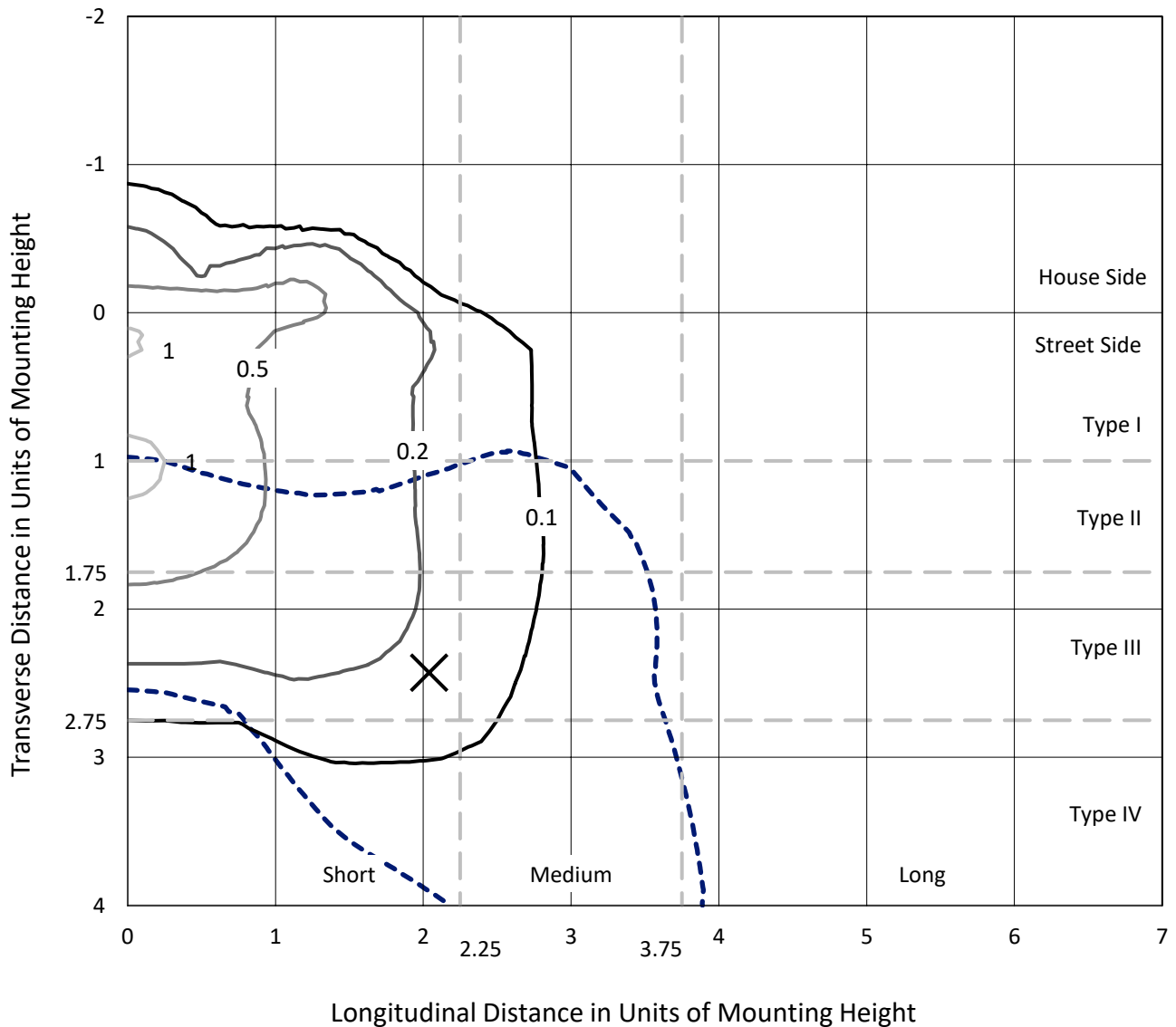
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

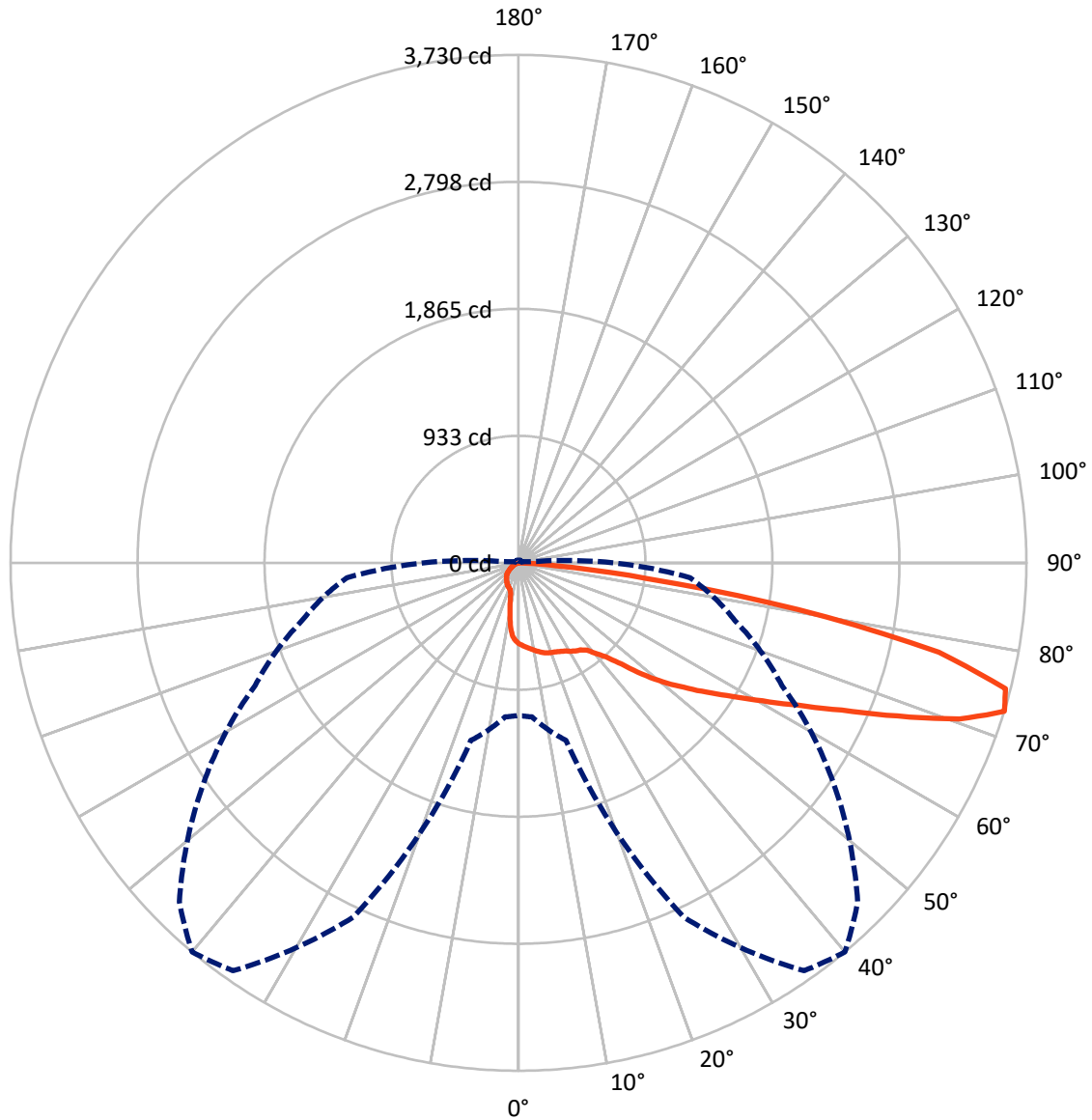
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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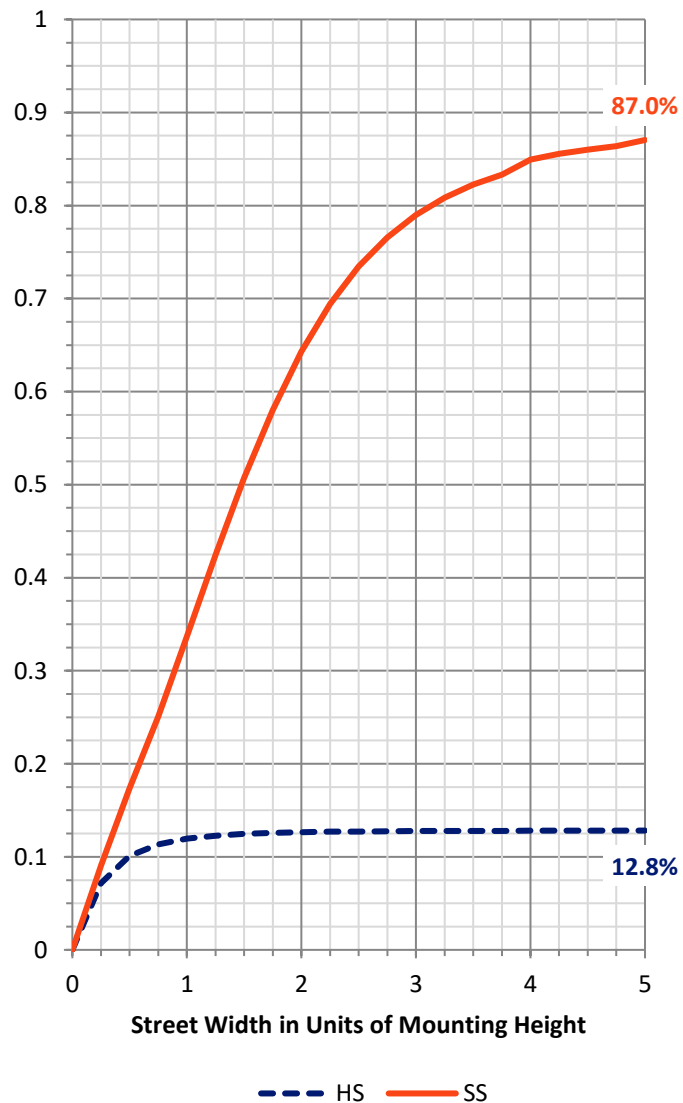
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	579.8	0.0	579.8
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	3910.2	0.0	3910.2
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	4490.0	0.0	4490.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	1.2
10°-20°	147.4	3.3
20°-30°	238.6	5.3
30°-40°	352.2	7.8
40°-50°	592.8	13.2
50°-60°	920.5	20.5
60°-70°	1151.8	25.7
70°-80°	943.0	21.0
80°-90°	89.4	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°	4490.0	100.0
0°-180°	4490.0	100.0

**Coefficient of Utilization**



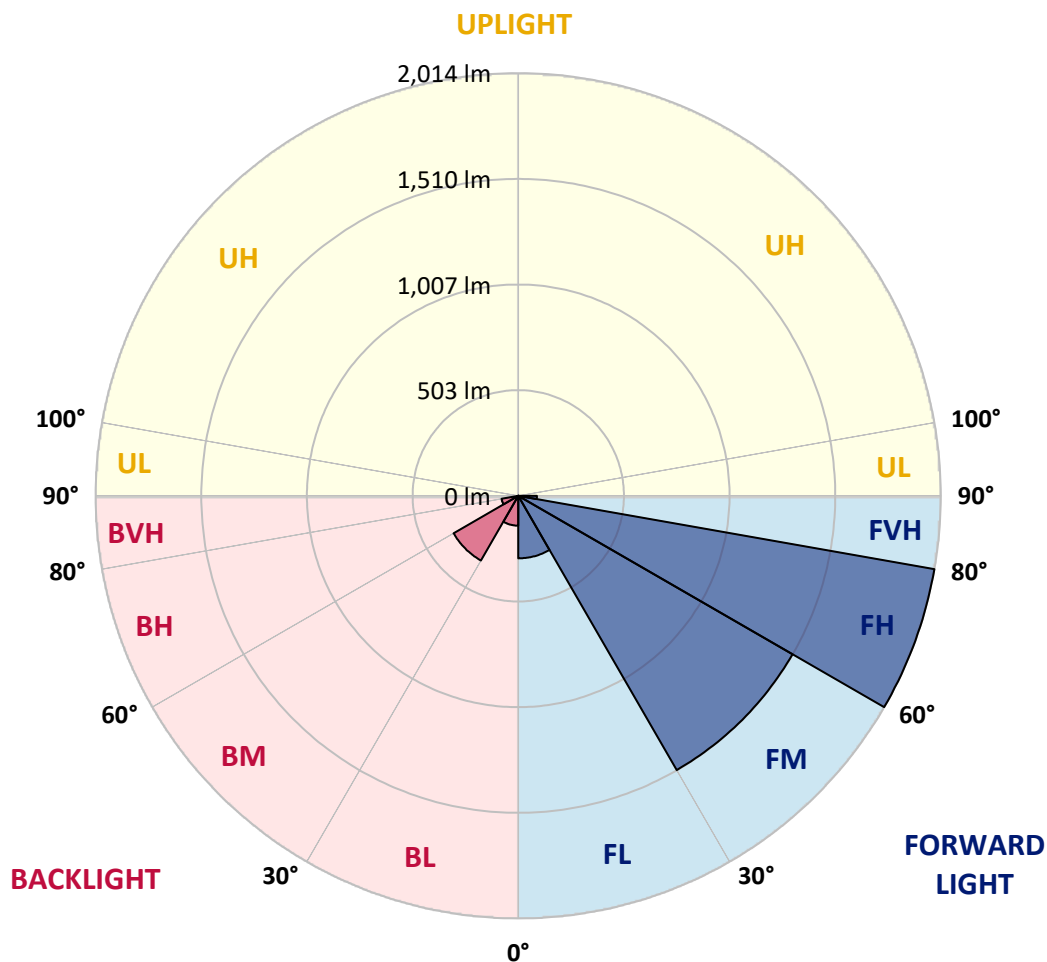
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.0	6.6			
FM (30°-60°)	1509.5	33.6			
FH (60°-80°)	2014.0	44.9			G2/5000
FVH (80°-90°)	88.7	2.0			G1/100
BL (0°-30°)	142.3	3.2	B1/500		
BM (30°-60°)	356.1	7.9	B1/1000		
BH (60°-80°)	80.8	1.8	B0/110		G0/110
BVH (80°-90°)	0.7	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5
2.5°	612.4	614.8	613.5	610.7	610.1	608.7	607.0	606.3	604.0	602.0
5°	629.7	632.0	630.4	626.6	624.9	623.3	620.9	618.9	614.1	609.7
7.5°	648.6	650.6	648.6	643.2	640.5	638.5	635.1	632.0	626.6	620.2
10°	669.6	671.3	668.2	661.1	656.7	653.7	650.6	647.3	642.2	635.1
12.5°	689.2	691.2	686.5	678.0	673.0	669.9	666.5	663.8	658.8	652.0
15°	707.1	710.2	702.1	692.9	687.2	684.8	681.4	679.7	676.4	671.6
17.5°	720.7	722.7	714.2	703.4	697.0	695.3	692.9	693.9	693.3	690.9
20°	732.1	733.5	722.3	709.2	702.1	702.4	701.7	705.1	706.4	706.4
22.5°	746.4	746.7	732.5	715.9	707.5	709.8	710.8	714.6	717.3	720.0
25°	765.0	764.3	747.4	724.7	717.3	720.7	723.0	724.4	727.4	731.8
27.5°	792.7	790.7	769.0	738.9	730.1	733.2	737.6	736.9	735.5	738.9
30°	827.9	825.1	796.4	758.9	750.7	753.5	754.8	748.7	738.9	742.0
32.5°	883.7	878.9	839.0	781.2	768.7	771.7	770.0	757.5	743.0	746.0
35°	980.7	969.2	912.7	827.9	789.0	785.6	781.5	769.3	751.4	748.4
37.5°	1187.0	1166.7	1070.3	918.8	835.0	813.0	800.5	788.3	760.6	748.4
40°	1419.7	1399.0	1287.8	1071.0	911.4	874.2	844.4	810.6	770.0	752.8
42.5°	1662.5	1639.8	1525.5	1259.7	1020.6	944.2	888.7	828.5	785.6	766.3
45°	1933.7	1905.3	1755.8	1456.5	1179.2	1060.5	960.1	865.4	812.6	790.3
47.5°	2219.8	2182.9	1985.4	1647.6	1350.0	1221.5	1090.6	931.3	852.5	826.2
50°	2473.4	2436.9	2222.5	1847.5	1509.6	1374.7	1239.4	1022.6	912.4	876.9
52.5°	2655.7	2628.0	2438.2	2053.7	1675.7	1518.4	1374.3	1128.8	988.1	941.8
55°	2777.8	2752.4	2591.1	2249.2	1868.8	1676.7	1507.2	1244.1	1079.5	1019.6
57.5°	2851.8	2837.3	2701.7	2423.7	2060.2	1849.8	1659.4	1371.0	1187.0	1111.2
60°	2878.2	2866.4	2770.3	2590.1	2291.5	2057.8	1838.3	1514.0	1317.5	1215.4
62.5°	2807.9	2810.2	2819.7	2787.2	2535.3	2301.3	2052.7	1685.8	1462.3	1333.4
65°	2476.8	2496.4	2676.3	3005.7	2858.3	2606.3	2325.6	1895.5	1628.0	1467.7
67.5°	2050.7	2079.1	2303.0	3133.5	3202.5	3002.3	2705.7	2162.6	1825.5	1604.3
70°	1569.8	1600.2	1871.5	3106.8	3524.8	3435.2	3175.8	2502.5	2030.1	1699.0
72.5°	1120.4	1135.9	1349.7	2869.1	3657.0	3730.1	3522.1	2824.4	2134.6	1646.6
75°	787.3	784.6	926.3	2310.4	3451.1	3694.2	3400.7	2650.3	1931.7	1308.1
77.5°	342.9	343.6	462.6	1403.1	2754.4	3155.2	2826.8	1660.1	1346.6	693.3
80°	88.9	91.6	169.8	558.7	1658.4	2082.5	1724.0	729.8	622.2	169.1
82.5°	31.5	33.5	78.1	175.5	611.8	955.0	767.7	233.3	162.3	48.4
85°	9.1	10.8	41.9	53.8	126.5	269.9	186.3	45.3	39.9	25.0
87.5°	0.0	1.4	8.5	7.4	7.4	5.1	9.5	5.1	6.4	3.0
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°
594.5	0°	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5
599.6	2.5°	597.6	595.2	590.1	584.7	579.6	574.9	573.5	568.5	566.1	566.4
604.3	5°	600.6	596.2	586.4	574.6	562.4	548.5	537.0	520.8	506.9	505.2
613.5	7.5°	608.7	601.6	585.7	562.7	532.3	494.1	458.6	423.4	403.4	392.6
627.0	10°	621.2	611.8	587.4	543.4	478.9	410.5	356.8	312.5	289.8	279.3
643.5	12.5°	636.1	625.6	590.1	510.6	409.9	320.3	262.1	235.0	230.3	229.6
663.8	15°	657.1	645.6	593.2	466.3	335.1	243.8	217.1	217.4	221.2	223.2
685.8	17.5°	680.4	668.9	588.8	412.2	261.4	208.3	207.6	210.7	216.1	218.1
706.1	20°	704.1	693.3	573.2	348.7	211.4	198.5	201.2	204.6	210.0	212.7
726.1	22.5°	728.4	719.0	548.5	281.0	190.7	191.4	194.8	198.2	204.3	207.3
745.7	25°	754.5	746.4	515.7	225.2	181.9	184.0	188.4	192.4	198.8	202.6
762.2	27.5°	780.8	774.8	478.5	188.0	173.8	176.2	181.3	186.7	193.1	197.5
776.8	30°	809.6	806.2	448.8	174.2	166.0	168.1	173.8	179.9	187.0	192.4
791.3	32.5°	839.0	838.3	434.2	184.3	158.9	160.3	165.4	171.5	180.2	187.0
803.5	35°	868.1	869.4	425.8	213.1	156.6	152.9	156.2	161.6	172.1	180.6
817.4	37.5°	905.3	908.7	425.4	244.2	162.3	145.4	147.8	151.5	160.6	170.4
839.0	40°	960.8	978.7	447.1	270.9	172.5	138.7	139.3	140.0	144.7	152.9
867.8	42.5°	1034.5	1086.9	525.2	289.1	176.5	132.6	130.2	126.5	125.8	130.2
907.0	45°	1126.1	1217.8	662.5	299.3	172.5	125.8	119.4	109.6	105.8	108.9
960.1	47.5°	1234.0	1361.2	825.1	301.7	165.7	117.3	105.8	93.0	90.0	91.0
1031.4	50°	1339.2	1468.7	968.2	282.0	154.5	106.5	91.0	80.1	78.1	78.5
1115.6	52.5°	1432.2	1505.6	1008.8	235.7	139.7	93.3	78.1	70.7	69.3	69.3
1208.6	55°	1493.7	1465.7	899.5	180.2	121.1	79.8	67.0	63.2	62.6	62.2
1312.5	57.5°	1506.6	1335.8	679.4	130.2	94.7	67.3	59.5	57.5	56.1	54.8
1419.0	60°	1460.6	1119.4	432.5	91.0	71.0	57.5	52.8	51.4	48.7	46.0
1519.1	62.5°	1361.2	845.4	239.4	63.2	57.2	49.0	46.7	45.0	39.9	35.5
1598.6	65°	1227.6	562.0	105.8	49.4	46.7	41.3	39.9	37.5	31.5	26.4
1628.7	67.5°	1093.3	323.6	47.7	39.6	37.5	33.8	32.8	31.1	26.7	22.0
1551.9	70°	940.1	164.0	32.8	31.5	29.1	25.7	26.7	26.4	22.0	17.9
1265.8	72.5°	700.0	81.5	24.7	23.7	21.0	18.3	22.0	21.6	17.2	13.5
780.5	75°	396.3	40.2	17.9	16.6	12.5	13.5	17.6	16.6	11.8	8.8
329.4	77.5°	157.3	20.6	11.8	10.1	7.4	9.1	12.9	11.2	6.1	3.7
62.9	80°	36.2	10.1	6.1	4.4	3.4	5.4	6.8	4.1	1.7	0.3
16.9	82.5°	10.1	4.4	2.0	1.7	1.7	2.0	1.7	0.7	0.0	0.0
4.4	85°	3.4	2.0	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.4	87.5°	1.4	0.7	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

(END O



<u>180°</u>
594.5
566.1
504.2
391.9
277.3
229.3
222.9
217.8
212.7
207.3
202.6
197.8
193.1
187.7
181.9
172.1
155.6
132.6
108.9
90.6
78.5
69.0
61.5
54.1
45.0
34.2
25.4
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