

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: P846795

Luminaire Tested: **GLAN-SB2C-830-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-830-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9391 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

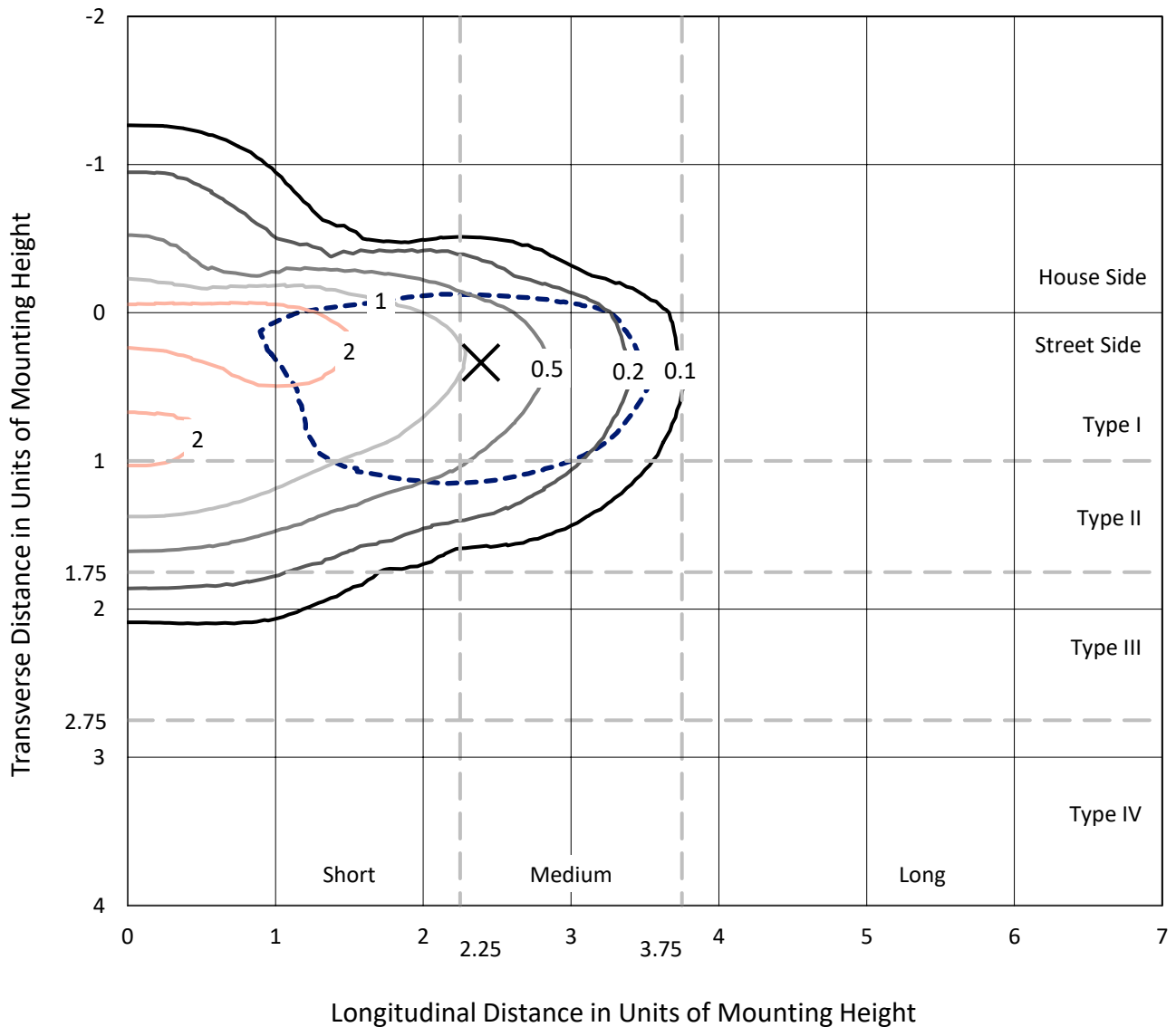
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

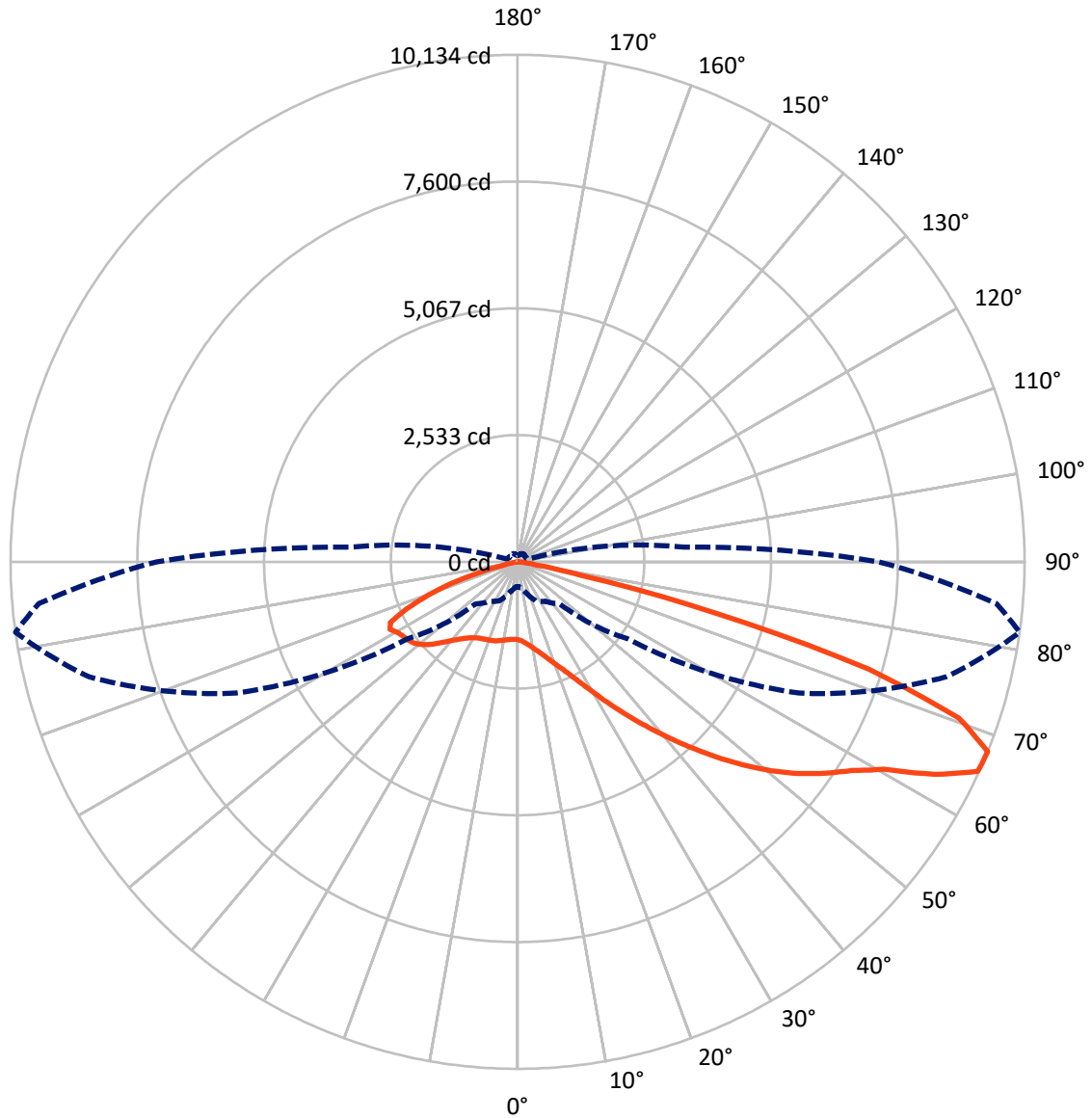
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1701.1	0.0	1701.1
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	7689.9	0.0	7689.9
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	9391.0	0.0	9391.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.6	1.5
10°-20°	360.2	3.8
20°-30°	576.9	6.1
30°-40°	1020.1	10.9
40°-50°	1787.4	19.0
50°-60°	2383.9	25.4
60°-70°	2219.3	23.6
70°-80°	851.7	9.1
80°-90°	52.9	0.6
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°	9391.0	100.0
0°-180°	9391.0	100.0

**Coefficient of Utilization**

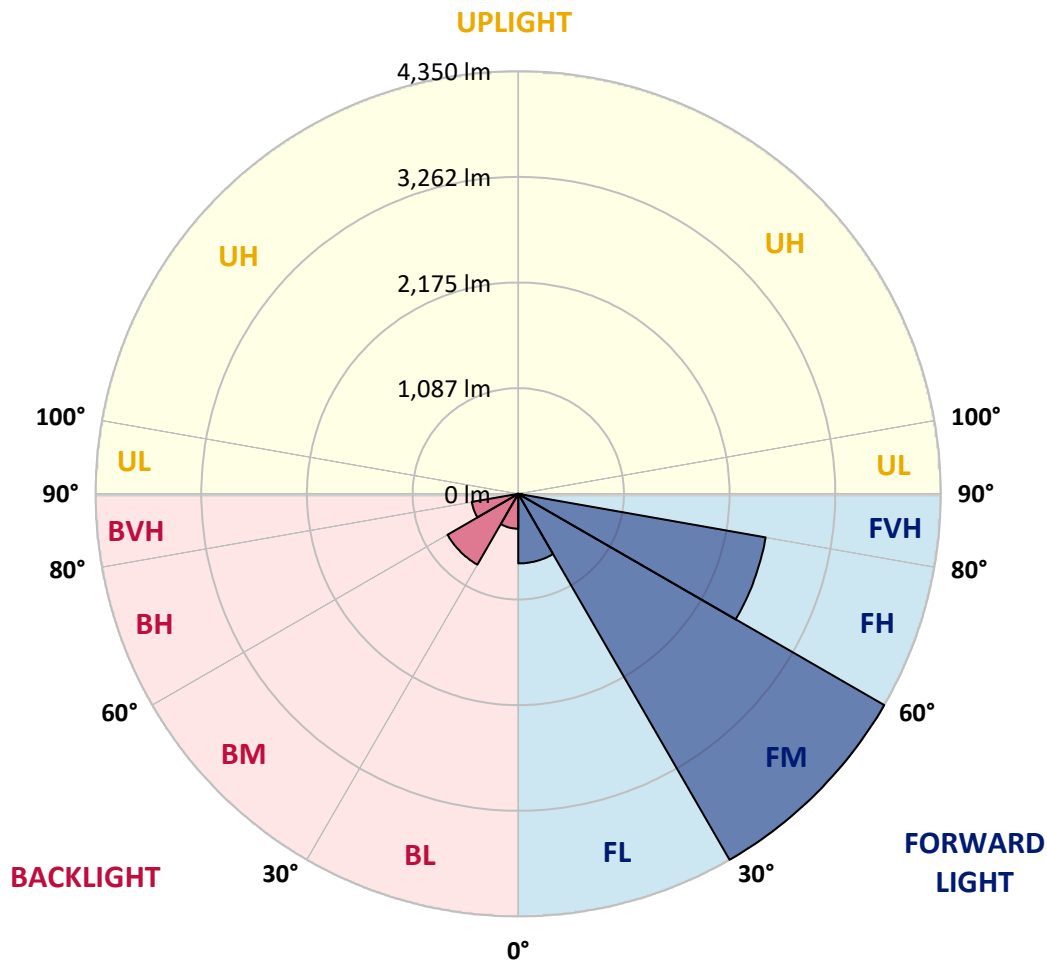


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.4	7.6			
FM (30°-60°)	4349.5	46.3			
FH (60°-80°)	2585.5	27.5			G2/5000
FVH (80°-90°)	38.5	0.4			G1/100
BL (0°-30°)	359.3	3.8	B1/500		
BM (30°-60°)	841.9	9.0	B1/1000		
BH (60°-80°)	485.5	5.2	B1/500		G1/500
BVH (80°-90°)	14.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8
2.5°	1644.3	1653.8	1648.4	1645.7	1641.0	1634.2	1628.8	1611.9	1594.3	1582.8
5°	1677.5	1686.9	1686.3	1689.0	1692.3	1694.4	1693.0	1674.1	1649.1	1629.5
7.5°	1649.1	1659.9	1668.7	1682.2	1705.9	1730.9	1743.1	1739.0	1713.3	1686.3
10°	1568.6	1580.1	1601.1	1632.8	1682.9	1737.0	1782.3	1803.2	1787.0	1757.3
12.5°	1421.2	1432.7	1474.0	1542.9	1626.8	1720.7	1807.3	1863.4	1867.5	1837.7
15°	1255.6	1267.1	1311.0	1397.6	1525.3	1676.1	1820.8	1927.0	1962.8	1937.1
17.5°	1152.8	1162.9	1196.1	1265.7	1398.9	1586.9	1816.1	1994.6	2076.4	2056.1
20°	1121.7	1130.5	1146.0	1194.7	1305.6	1494.2	1785.0	2058.1	2198.8	2187.3
22.5°	1154.8	1162.9	1167.7	1189.3	1259.0	1433.4	1745.8	2123.0	2340.8	2342.1
25°	1231.2	1239.3	1233.9	1247.5	1277.9	1414.5	1730.9	2199.4	2519.3	2534.1
27.5°	1357.0	1357.7	1344.8	1344.1	1348.9	1442.9	1746.4	2281.3	2744.4	2772.1
30°	1609.2	1599.0	1549.7	1496.3	1471.9	1528.0	1789.7	2377.9	3010.1	3059.5
32.5°	1998.0	1983.1	1892.5	1764.7	1636.2	1665.3	1867.5	2488.2	3299.5	3388.8
35°	2419.9	2415.8	2321.1	2131.2	1906.7	1860.7	1993.9	2632.8	3615.3	3757.2
37.5°	2812.0	2810.0	2755.9	2532.1	2258.9	2133.2	2196.7	2822.2	3953.3	4158.9
40°	3170.4	3176.5	3122.4	2922.2	2647.0	2482.7	2472.6	3056.1	4329.2	4596.3
42.5°	3480.0	3486.8	3432.0	3284.0	3030.4	2869.5	2811.3	3342.8	4696.4	5066.2
45°	3690.3	3732.2	3724.1	3605.8	3423.9	3256.9	3218.4	3702.5	5114.9	5564.5
47.5°	3749.8	3788.3	3849.2	3865.4	3754.5	3590.2	3636.2	4135.9	5538.2	6063.5
50°	3603.1	3638.9	3765.4	3933.7	4010.8	3960.1	4042.6	4600.4	5971.6	6561.1
52.5°	3313.7	3350.2	3509.8	3776.2	4090.6	4250.1	4450.3	5058.1	6391.4	7032.4
55°	2895.2	2933.7	3138.6	3440.1	3938.4	4369.8	4790.4	5515.2	6776.2	7456.3
57.5°	2325.9	2354.3	2567.3	2989.2	3555.8	4250.8	5041.2	6014.2	7138.6	7872.8
60°	1515.9	1540.9	1788.4	2258.9	2921.5	3853.3	5091.2	6570.6	7620.0	8414.4
62.5°	1008.1	1025.0	1171.7	1517.2	2057.5	3089.9	4798.5	7014.8	8325.8	9356.9
65°	691.7	708.6	855.3	1096.0	1329.3	2043.9	3956.7	6956.0	8965.5	10105.4
67.5°	493.6	507.8	632.2	859.4	962.1	1187.3	2682.2	6204.2	8873.5	10133.8
70°	353.6	361.7	464.5	669.4	764.7	713.3	1491.5	4745.1	7769.4	9357.6
72.5°	247.5	250.2	322.5	509.8	616.0	520.6	709.9	3163.6	5876.2	7344.8
75°	167.7	171.1	217.0	373.9	494.2	397.6	375.9	1696.4	3449.6	4065.6
77.5°	102.8	104.1	140.0	255.6	369.8	302.9	242.1	718.7	1334.7	1310.3
80°	58.1	58.1	89.2	158.9	252.2	195.4	169.7	305.6	422.6	371.2
82.5°	32.5	33.1	64.9	98.7	167.0	115.6	93.3	141.3	182.6	161.6
85°	13.5	14.9	39.9	46.7	79.8	57.5	37.9	59.5	67.6	60.2
87.5°	1.4	2.0	12.2	8.8	9.5	11.5	5.4	11.5	9.5	9.5
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°
1555.8	0°	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8	1555.8
1578.8	2.5°	1565.9	1555.8	1530.1	1500.3	1461.1	1442.2	1416.5	1398.9	1384.0	1385.4
1618.0	5°	1596.3	1570.6	1513.2	1441.5	1352.3	1288.7	1221.1	1174.4	1136.6	1128.5
1672.1	7.5°	1638.3	1597.7	1496.9	1367.8	1217.0	1102.8	1000.7	935.1	888.4	873.6
1737.6	10°	1692.3	1633.5	1476.0	1275.2	1058.1	912.8	803.2	751.9	720.1	709.3
1814.7	12.5°	1755.2	1674.8	1448.3	1162.3	894.5	754.6	684.9	659.2	649.1	645.7
1909.4	15°	1834.3	1726.2	1406.3	1028.4	755.9	657.9	628.1	624.7	626.1	624.7
2023.0	17.5°	1928.3	1782.3	1338.1	890.5	662.6	608.5	597.7	600.4	603.8	603.1
2150.1	20°	2031.1	1837.7	1250.8	768.1	599.0	573.4	567.3	570.0	572.7	571.3
2296.8	22.5°	2148.1	1897.2	1154.2	672.7	556.5	540.9	534.1	534.8	534.8	532.1
2482.7	25°	2288.0	1962.8	1052.7	605.1	524.0	511.8	503.7	501.0	497.0	488.8
2708.6	27.5°	2455.0	2032.4	955.4	557.8	498.3	486.8	477.3	470.6	460.4	446.9
2979.7	30°	2643.0	2117.0	872.9	528.1	478.0	466.5	455.7	445.6	430.7	413.8
3291.4	32.5°	2864.1	2207.6	812.7	508.4	459.8	447.6	434.8	422.6	406.4	389.4
3641.6	35°	3127.8	2317.1	777.5	494.9	445.6	429.3	415.1	401.6	389.4	374.6
4022.3	37.5°	3413.8	2433.4	766.7	488.2	436.1	411.1	394.9	385.4	384.0	375.3
4434.0	40°	3726.8	2571.3	774.8	484.1	426.0	393.5	375.9	373.9	377.3	361.7
4874.2	42.5°	4058.1	2734.9	788.4	479.4	411.8	375.9	359.0	359.0	356.3	334.7
5339.4	45°	4416.5	2923.6	801.9	467.9	394.9	358.3	345.5	340.8	329.3	308.3
5807.3	47.5°	4777.5	3115.6	812.0	446.9	374.6	343.5	332.0	321.2	304.3	285.3
6266.4	50°	5120.3	3288.0	801.2	415.8	351.6	329.3	317.1	302.2	284.0	271.1
6701.1	52.5°	5426.6	3437.4	755.2	379.3	327.2	314.4	303.6	288.0	273.2	259.6
7093.3	55°	5693.0	3558.5	674.1	344.8	305.6	301.6	290.7	271.1	250.8	239.3
7482.0	57.5°	5948.6	3650.4	572.7	316.4	286.0	287.4	271.1	253.5	234.6	222.4
8006.0	60°	6288.7	3773.5	469.9	290.1	265.0	269.1	251.5	238.7	215.0	199.5
8904.6	62.5°	6832.3	3964.8	373.2	257.6	240.7	242.1	234.6	219.1	190.7	172.4
9570.6	65°	7263.6	3894.5	294.1	222.4	213.0	215.0	215.0	198.1	167.7	146.7
9606.4	67.5°	7215.0	3334.7	234.6	188.0	186.6	188.0	192.7	178.5	148.7	131.8
8874.9	70°	6646.3	2652.5	188.0	156.2	162.3	158.9	172.4	162.9	133.9	117.0
6880.3	72.5°	5423.2	1910.7	143.3	129.1	124.4	129.8	155.5	146.7	111.6	92.6
3644.3	75°	3169.0	1019.6	106.8	102.1	89.9	108.2	137.9	125.1	85.2	68.3
1117.0	77.5°	1031.8	355.6	78.4	75.1	66.9	87.2	117.6	105.5	69.6	54.1
327.2	80°	276.5	107.5	53.4	49.4	43.3	64.9	93.3	83.8	50.0	35.2
140.6	82.5°	110.9	45.3	31.1	27.7	23.7	44.6	73.7	67.6	37.2	22.3
43.9	85°	35.8	14.9	11.5	8.8	10.8	27.7	43.9	46.0	26.4	11.5
6.8	87.5°	4.7	2.0	2.0	2.7	2.0	4.7	13.5	12.8	7.4	1.4
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>
1555.8
1371.9
1110.2
858.7
701.1
643.7
624.1
601.8
570.7
530.8
487.5
445.6
412.4
390.1
373.2
374.6
362.4
334.7
307.6
284.6
269.1
258.3
238.0
221.1
197.4
171.1
144.7
129.1
114.9
90.6
66.3
52.1
34.5
22.3
8.8
0.0
0.0

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