

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: P846976

Luminaire Tested: **GLAN-SB2D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846976
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-SB2D-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16695 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

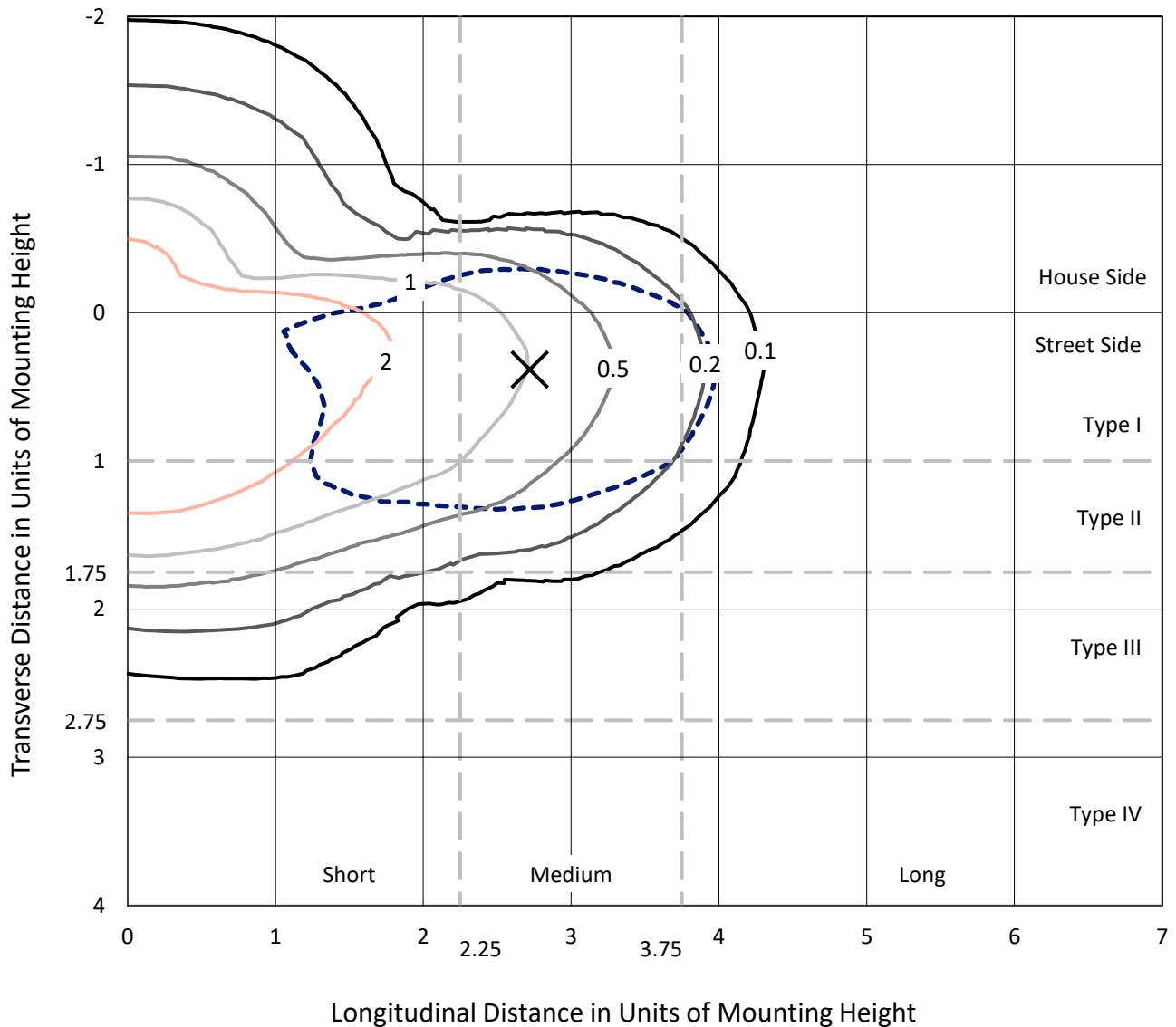
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

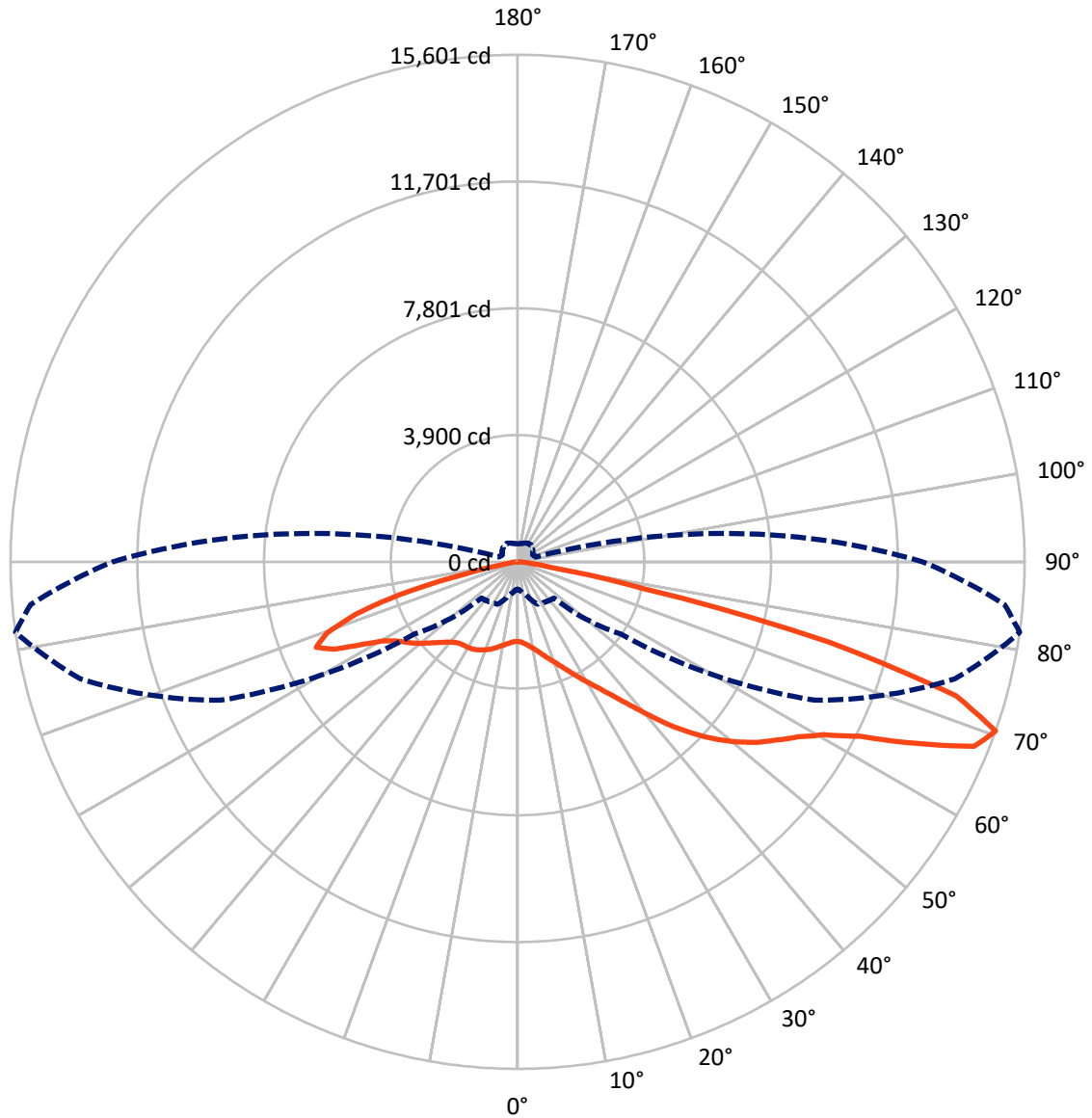
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	4115.7	0.0	4115.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	12579.3	0.0	12579.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	16695.0	0.0	16695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.1	1.4
10°-20°	664.0	4.0
20°-30°	1110.8	6.7
30°-40°	1735.3	10.4
40°-50°	2763.7	16.6
50°-60°	3846.0	23.0
60°-70°	4023.1	24.1
70°-80°	2102.7	12.6
80°-90°	218.3	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°	16695.0	100.0
0°-180°	16695.0	100.0

Coefficient of Utilization



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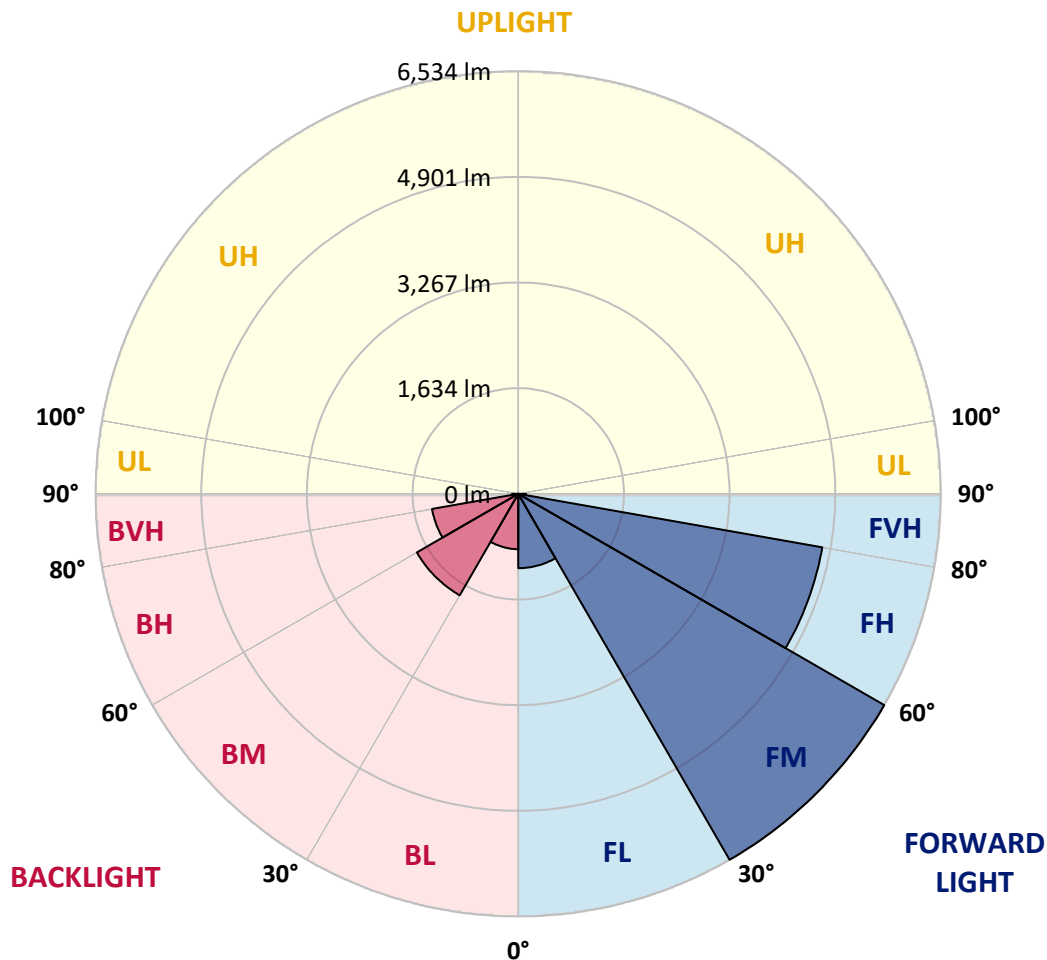
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.6	6.9			
FM (30°-60°)	6534.3	39.1			
FH (60°-80°)	4773.2	28.6			G2/5000
FVH (80°-90°)	122.2	0.7			G2/225
BL (0°-30°)	856.2	5.1	B2/1000		
BM (30°-60°)	1810.8	10.8	B2/2500		
BH (60°-80°)	1352.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	96.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7
2.5°	2506.2	2520.3	2515.9	2511.5	2511.5	2505.3	2504.4	2495.5	2488.4	2476.9
5°	2538.1	2553.1	2551.3	2554.9	2566.4	2569.1	2571.7	2566.4	2552.2	2538.1
7.5°	2509.7	2526.5	2531.9	2553.1	2588.6	2620.4	2644.4	2654.1	2640.8	2620.4
10°	2414.0	2432.6	2451.2	2501.7	2564.6	2639.9	2703.7	2741.8	2739.2	2719.7
12.5°	2220.0	2239.5	2279.4	2377.7	2492.9	2625.8	2744.5	2824.2	2851.7	2837.5
15°	2065.0	2081.8	2111.9	2212.9	2362.7	2564.6	2759.5	2914.6	2984.5	2976.6
17.5°	2060.6	2067.7	2086.3	2134.1	2249.3	2469.0	2743.6	3003.1	3136.9	3136.0
20°	2138.5	2141.2	2151.8	2161.6	2227.1	2396.3	2702.8	3076.7	3307.9	3307.9
22.5°	2246.6	2244.8	2255.5	2246.6	2278.5	2390.1	2677.1	3141.3	3498.4	3512.5
25°	2408.7	2399.9	2397.2	2376.8	2383.0	2447.7	2705.5	3214.9	3724.3	3753.5
27.5°	2624.9	2610.7	2601.0	2554.0	2538.1	2566.4	2792.3	3303.5	3975.8	4026.3
30°	2906.6	2880.9	2866.7	2785.2	2727.6	2732.1	2923.4	3421.3	4239.0	4320.5
32.5°	3291.1	3251.2	3213.1	3079.3	2973.9	2939.4	3092.6	3584.3	4524.2	4654.4
35°	3721.6	3689.7	3649.0	3442.5	3280.4	3200.7	3321.2	3812.0	4858.2	5064.6
37.5°	4136.2	4108.7	4128.2	3850.0	3641.0	3524.9	3620.6	4117.6	5270.1	5574.9
40°	4565.0	4543.7	4546.4	4280.6	4037.0	3906.7	3983.8	4501.2	5742.3	6181.7
42.5°	5030.9	5015.0	4961.8	4726.2	4452.4	4331.1	4402.0	4944.1	6249.0	6872.7
45°	5552.7	5543.0	5493.4	5223.2	4909.6	4773.1	4868.8	5433.1	6758.4	7522.9
47.5°	6003.6	6011.6	6005.4	5777.7	5452.6	5252.4	5366.7	5943.4	7232.4	8134.2
50°	6220.7	6262.3	6323.4	6252.6	6050.6	5846.8	5869.0	6435.9	7684.2	8707.3
52.5°	6107.3	6186.1	6352.7	6466.1	6544.0	6501.5	6442.1	6925.0	8109.4	9224.7
55°	5684.7	5795.4	6071.8	6345.6	6743.3	7052.5	7130.5	7467.1	8524.0	9680.0
57.5°	4914.9	5094.7	5342.8	5896.4	6566.2	7319.2	7933.1	8219.2	8963.4	10166.4
60°	3594.9	3835.9	4144.2	4968.0	5946.0	7176.5	8616.1	9374.4	9587.9	10796.3
62.5°	2300.6	2449.5	2733.0	3509.0	4633.2	6445.7	8825.2	10818.4	10646.5	11829.2
65°	1575.1	1670.8	1930.3	2366.2	2995.2	4797.9	8265.3	11901.0	12328.0	13466.3
67.5°	1144.6	1217.2	1438.7	1820.5	1951.6	2839.3	6413.8	11851.3	13962.4	15153.0
70°	834.5	885.9	1071.9	1438.7	1501.6	1579.5	3885.5	10074.3	13927.0	15601.3
72.5°	618.3	653.8	778.7	1116.2	1215.4	1066.6	1923.3	7321.8	11967.4	14111.2
75°	447.4	473.9	566.1	854.0	972.7	812.4	959.4	4278.8	8347.7	9926.3
77.5°	342.0	362.3	422.6	625.4	778.7	609.5	595.3	1968.4	3958.1	3977.6
80°	274.6	287.9	320.7	440.3	597.1	456.2	388.0	794.6	1250.9	1058.6
82.5°	202.0	224.1	271.1	309.2	427.0	314.5	236.5	401.3	475.7	409.3
85°	115.2	130.2	163.9	221.5	272.9	192.2	135.5	178.1	221.5	181.6
87.5°	40.8	53.2	57.6	86.8	118.7	79.7	52.3	51.4	72.6	54.0
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°
2447.7	0°	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7	2447.7
2474.3	2.5°	2465.4	2461.0	2443.3	2419.3	2394.5	2370.6	2362.7	2345.8	2334.3	2328.1
2531.9	5°	2515.0	2500.8	2459.2	2406.1	2350.2	2290.0	2247.5	2208.5	2180.2	2153.6
2610.7	7.5°	2585.9	2561.1	2489.3	2396.3	2297.1	2197.0	2122.6	2065.9	2027.8	2003.0
2702.8	10°	2668.3	2630.2	2520.3	2381.3	2228.0	2084.5	1996.8	1948.1	1924.1	1910.9
2808.3	12.5°	2763.1	2709.0	2552.2	2346.7	2122.6	1958.7	1898.4	1884.3	1885.2	1886.0
2941.1	15°	2880.0	2804.7	2577.9	2271.4	1985.3	1862.1	1851.5	1874.5	1898.4	1910.0
3091.7	17.5°	3012.0	2905.7	2582.4	2147.4	1850.6	1800.1	1833.8	1883.4	1919.7	1935.7
3260.1	20°	3153.7	3008.5	2550.5	1972.0	1739.9	1749.6	1809.9	1873.6	1913.5	1933.9
3452.3	22.5°	3315.9	3118.3	2474.3	1787.7	1649.5	1694.7	1765.6	1827.6	1869.2	1889.6
3678.2	25°	3501.0	3241.4	2354.7	1632.7	1571.6	1632.7	1703.6	1754.9	1788.6	1807.2
3930.7	27.5°	3706.5	3369.9	2195.2	1509.5	1503.3	1568.9	1627.4	1667.2	1685.0	1699.1
4199.1	30°	3912.9	3486.8	2002.1	1416.5	1444.0	1506.0	1547.6	1565.4	1570.7	1573.3
4498.5	32.5°	4136.2	3587.8	1799.2	1339.5	1387.3	1444.9	1469.7	1477.7	1452.8	1436.0
4861.7	35°	4406.4	3695.9	1600.8	1278.3	1331.5	1381.1	1389.1	1382.0	1352.7	1318.2
5317.1	37.5°	4740.4	3830.6	1442.2	1234.9	1279.2	1312.0	1302.2	1300.5	1303.1	1262.4
5864.5	40°	5149.6	4006.0	1326.2	1201.3	1236.7	1243.8	1216.3	1231.4	1244.7	1182.7
6465.2	42.5°	5604.1	4217.7	1252.6	1178.2	1201.3	1184.4	1141.9	1158.7	1157.0	1075.5
7068.5	45°	6067.4	4448.0	1226.9	1161.4	1168.5	1134.8	1087.9	1092.3	1055.1	981.6
7646.9	47.5°	6528.1	4695.2	1242.9	1147.2	1127.7	1089.6	1053.3	1033.8	978.9	924.0
8201.5	50°	6979.9	4954.7	1301.4	1118.9	1071.9	1049.8	1023.2	988.6	930.2	883.2
8726.0	52.5°	7398.9	5216.1	1366.9	1071.9	1001.9	1015.2	998.4	958.5	900.9	853.1
9222.0	55°	7795.8	5477.4	1392.6	1007.2	936.4	985.1	975.4	901.8	832.7	793.8
9741.2	57.5°	8228.1	5791.9	1364.3	924.9	883.2	950.6	913.3	831.8	792.0	762.7
10417.1	60°	8826.9	6285.3	1303.1	823.0	832.7	899.2	835.4	801.7	758.3	725.5
11430.6	62.5°	9821.8	7205.8	1204.8	722.0	773.4	823.0	798.2	764.5	720.2	688.3
13163.3	65°	11292.4	8485.0	1019.7	643.2	706.9	748.6	758.3	724.7	678.6	644.9
14681.7	67.5°	12532.6	9287.6	771.6	577.6	638.7	688.3	715.8	683.0	634.3	601.5
15037.0	70°	12464.4	8704.7	589.1	512.9	578.5	629.0	664.4	638.7	586.5	555.4
13658.5	72.5°	11070.9	7282.0	476.6	447.4	517.4	567.0	609.5	590.0	536.8	506.7
10006.1	75°	8133.3	5169.1	380.9	380.9	441.2	502.3	549.2	536.8	488.1	466.9
4200.9	77.5°	3428.4	2168.6	298.5	316.3	366.8	431.4	489.9	494.3	451.8	478.4
1110.9	80°	911.6	598.0	227.7	248.9	287.9	356.1	426.1	424.3	378.3	353.5
412.8	82.5°	347.3	235.6	162.1	175.4	208.2	272.9	337.5	348.2	302.1	261.3
162.1	85°	133.8	101.0	100.1	105.4	121.4	180.7	255.1	264.0	227.7	193.1
45.2	87.5°	34.5	30.1	37.2	35.4	55.8	96.6	146.2	151.5	139.1	80.6
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>
2447.7
2335.2
2164.2
2008.3
1914.4
1887.8
1909.1
1939.2
1939.2
1894.9
1812.5
1704.4
1579.5
1441.3
1320.0
1265.0
1184.4
1074.6
984.2
924.0
879.7
854.0
790.2
760.1
723.8
688.3
646.7
602.4
558.1
506.7
460.7
434.1
328.7
261.3
199.3
115.2
0.0

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