

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: P941686

Luminaire Tested: **GLAN-SB5B-830-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20045 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 182.7
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

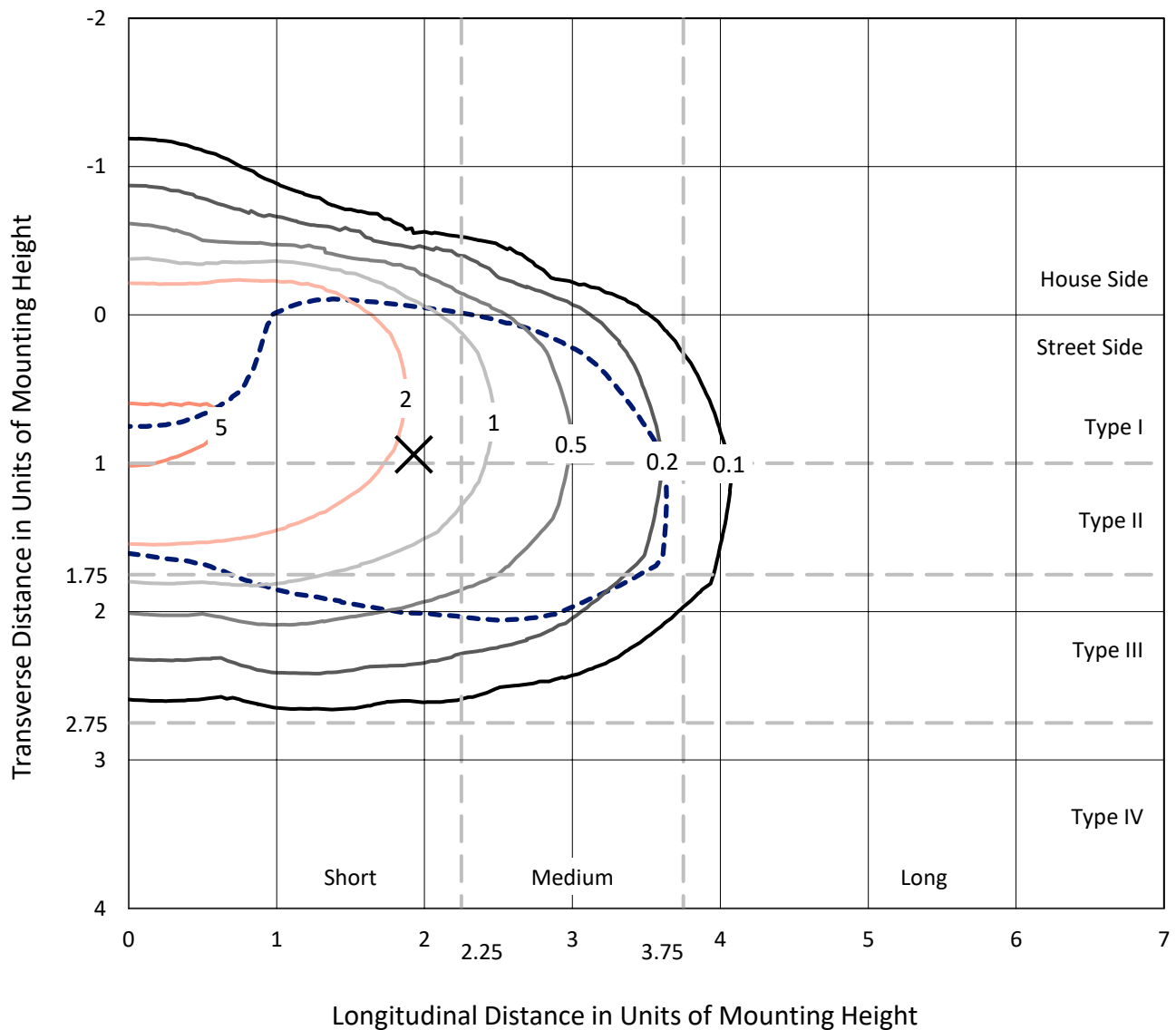


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Iso-Footcandle Lines of Horizontal Illumination

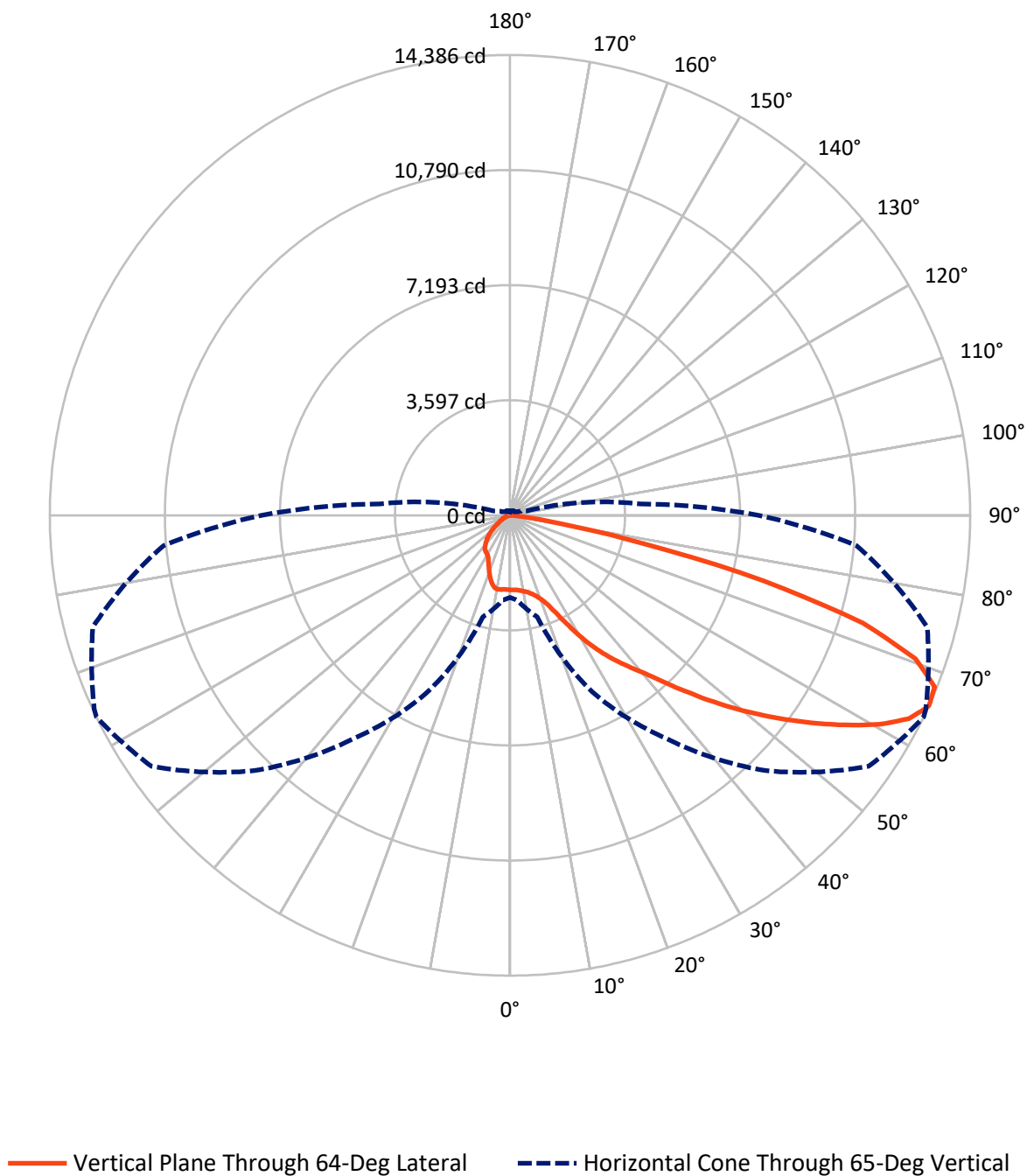
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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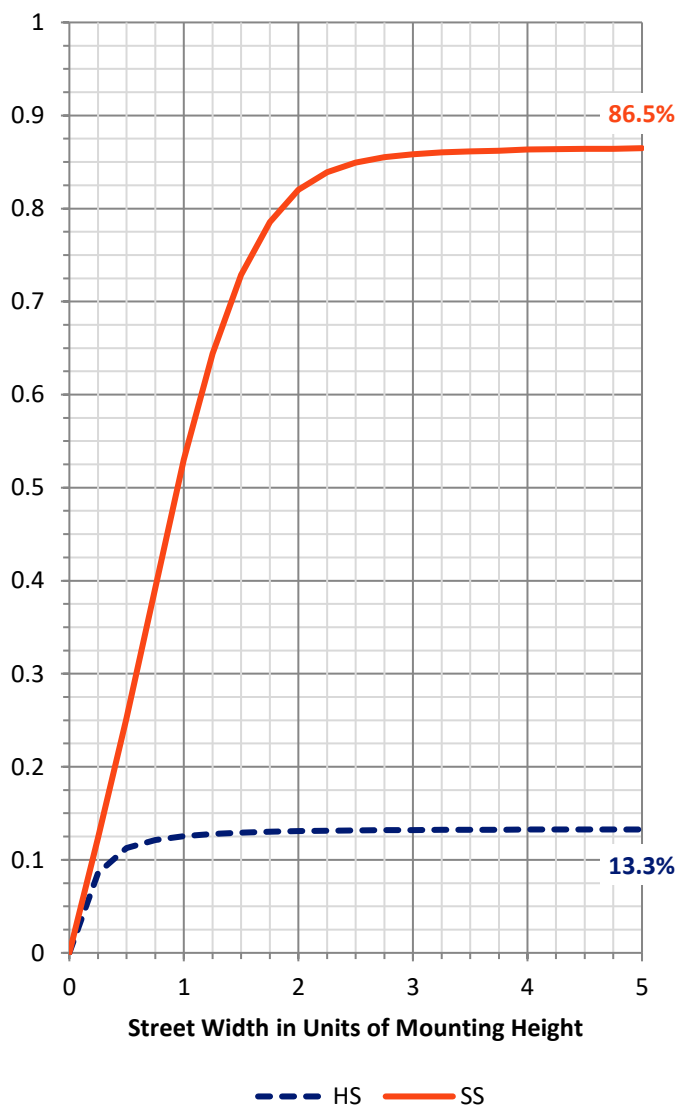
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2680.6	0.0	2680.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17364.4	0.0	17364.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	20045.0	0.0	20045.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.1	1.1
10°-20°	583.4	2.9
20°-30°	1105.5	5.5
30°-40°	2237.0	11.2
40°-50°	3810.8	19.0
50°-60°	5182.4	25.9
60°-70°	4866.5	24.3
70°-80°	1949.7	9.7
80°-90°	94.5	0.5
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°	20045.0	100.0
0°-180°	20045.0	100.0

Coefficient of Utilization



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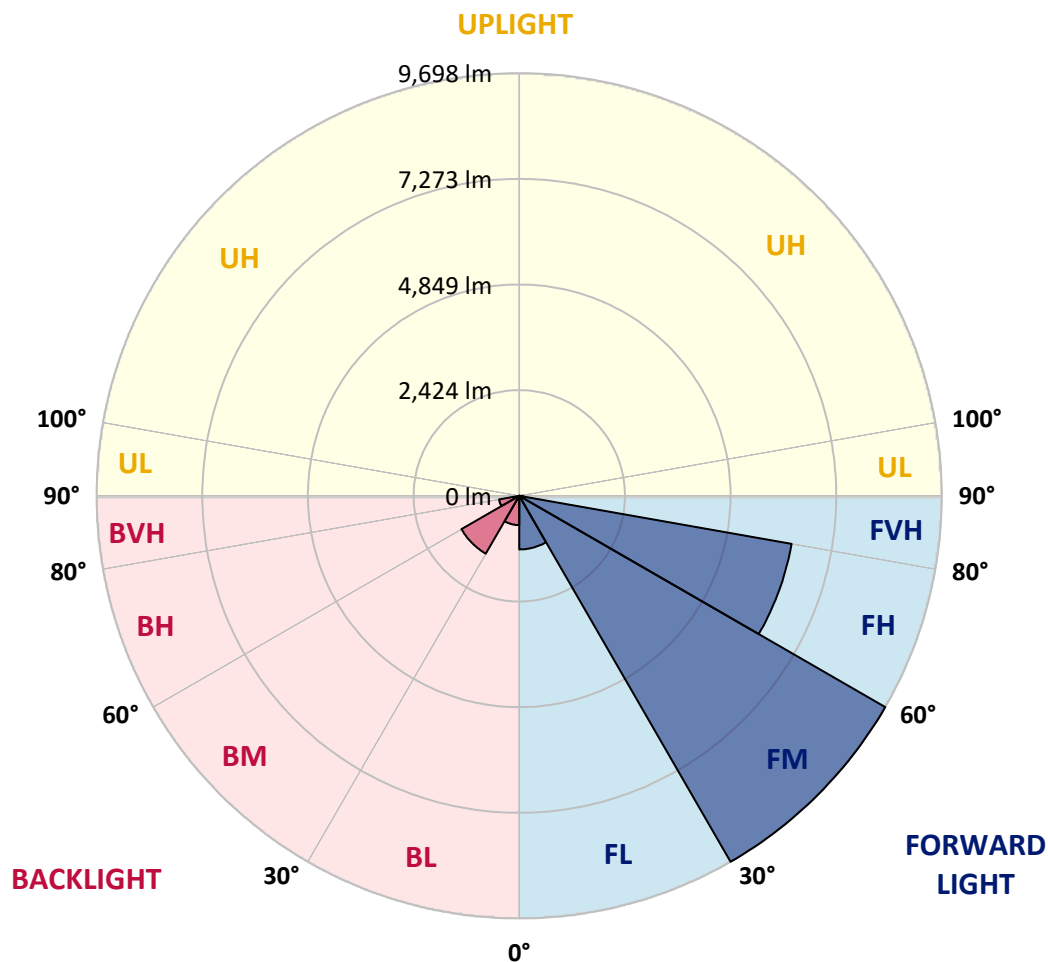
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1231.0	6.1			
FM	(30°-60°)	9697.8	48.4			
FH	(60°-80°)	6345.8	31.7			G3/7500
FVH	(80°-90°)	89.8	0.4			G1/100
BL	(0°-30°)	673.0	3.4	B2/1000		
BM	(30°-60°)	1532.5	7.6	B2/2500		
BH	(60°-80°)	470.5	2.3	B1/500		G1/500
BVH	(80°-90°)	4.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4
2.5°	2323.4	2339.5	2335.5	2331.4	2330.1	2332.8	2334.1	2332.8	2332.8	2332.8
5°	2279.0	2292.5	2292.5	2301.9	2315.3	2331.4	2343.5	2346.2	2348.9	2352.9
7.5°	2194.4	2205.1	2213.2	2244.1	2277.7	2320.7	2357.0	2375.8	2378.5	2393.3
10°	2136.6	2150.0	2163.5	2195.7	2244.1	2308.6	2370.4	2416.1	2422.8	2457.8
12.5°	2133.9	2147.3	2164.8	2199.8	2256.2	2324.7	2400.0	2465.8	2477.9	2529.0
15°	2162.1	2178.3	2194.4	2237.4	2297.8	2381.2	2461.8	2543.8	2555.9	2628.4
17.5°	2219.9	2241.4	2253.5	2296.5	2361.0	2453.7	2559.9	2653.9	2664.7	2749.4
20°	2334.1	2359.7	2363.7	2398.6	2461.8	2561.2	2687.5	2804.4	2817.9	2914.6
22.5°	2570.6	2606.9	2574.7	2592.1	2648.6	2748.0	2885.1	3032.9	3051.7	3161.9
25°	2987.2	3038.3	2955.0	2925.4	2949.6	3053.0	3225.0	3411.8	3433.3	3522.0
27.5°	3805.6	3739.7	3613.4	3489.8	3417.2	3476.3	3669.8	3901.0	3927.8	4013.8
30°	4704.5	4646.8	4476.1	4202.0	4030.0	4020.6	4199.3	4457.3	4488.2	4570.2
32.5°	5604.9	5549.8	5364.3	5027.0	4728.7	4580.9	4704.5	4990.8	5006.9	5059.3
35°	6490.4	6434.0	6248.5	5903.2	5536.3	5200.4	5176.2	5498.7	5504.1	5559.2
37.5°	7381.3	7334.3	7136.8	6798.1	6436.7	5973.1	5748.6	5979.8	5986.5	6040.2
40°	8016.9	8037.1	7901.4	7639.3	7328.9	6822.3	6391.0	6491.8	6451.4	6541.5
42.5°	8562.5	8602.8	8484.6	8352.9	8172.8	7726.7	7186.5	7169.0	7104.5	7152.9
45°	9034.2	9067.8	8961.6	8930.7	8926.7	8613.6	8055.9	7951.1	7861.1	7851.7
47.5°	9207.5	9272.0	9317.7	9421.2	9622.7	9491.1	8954.9	8792.3	8691.5	8617.6
50°	9273.4	9341.9	9497.8	9798.8	10275.8	10332.3	9849.8	9667.1	9543.5	9409.1
52.5°	9184.7	9307.0	9516.6	10023.2	10715.2	11006.8	10708.5	10548.6	10407.5	10188.5
55°	8661.9	8784.2	9212.9	10020.5	10934.3	11479.8	11520.1	11448.9	11290.4	10945.0
57.5°	7560.1	7741.5	8420.1	9679.2	10930.2	11887.0	12315.7	12366.7	12189.3	11694.8
60°	6033.5	6279.4	7107.2	8922.6	10592.9	12107.4	13013.1	13268.4	13080.3	12433.9
62.5°	4210.0	4494.9	5278.3	7737.4	9821.6	11948.8	13522.4	13994.0	13851.6	13095.0
65°	2567.9	2659.3	3290.9	6088.6	8510.1	11285.0	13679.6	14386.4	14339.4	13499.5
67.5°	1710.6	1787.2	1968.6	4175.1	6606.0	9958.7	13303.3	14317.9	14331.3	13433.7
70°	1030.7	1096.5	1214.8	2428.2	4281.3	7882.6	12138.3	13444.4	13522.4	12553.5
72.5°	424.6	469.0	576.5	1100.5	2217.2	5002.9	9665.7	11543.0	11724.4	10555.3
75°	240.5	263.4	338.6	552.3	962.1	2331.4	5854.8	8194.3	8461.7	7275.2
77.5°	159.9	170.7	219.0	357.4	541.5	795.5	2502.1	4269.2	4779.8	3973.5
80°	107.5	116.9	150.5	239.2	352.1	341.3	796.9	1581.6	1945.8	1365.3
82.5°	72.6	73.9	107.5	157.2	223.1	165.3	235.2	491.8	618.1	395.1
85°	41.7	40.3	79.3	91.4	99.4	68.5	71.2	147.8	193.5	166.6
87.5°	5.4	8.1	30.9	24.2	13.4	14.8	14.8	25.5	37.6	40.3
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°
2331.4	0°	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4	2331.4
2334.1	2.5°	2334.1	2332.8	2328.8	2324.7	2315.3	2309.9	2312.6	2309.9	2308.6	2309.9
2351.6	5°	2351.6	2347.6	2336.8	2323.4	2304.6	2281.7	2266.9	2245.4	2225.3	2213.2
2398.6	7.5°	2398.6	2394.6	2379.8	2342.2	2281.7	2186.3	2099.0	2022.4	1964.6	1931.0
2473.9	10°	2473.9	2467.2	2444.3	2361.0	2202.4	1994.2	1820.8	1677.0	1583.0	1538.6
2562.6	12.5°	2562.6	2554.5	2514.2	2343.5	2051.9	1726.7	1487.6	1327.6	1240.3	1201.3
2664.7	15°	2667.4	2656.6	2577.4	2260.2	1832.9	1431.1	1212.1	1092.5	1036.0	1001.1
2795.0	17.5°	2797.7	2778.9	2624.4	2135.3	1595.1	1205.4	1042.8	952.7	903.0	869.4
2965.7	20°	2967.0	2936.1	2662.0	1986.1	1376.0	1062.9	928.5	853.3	815.7	786.1
3207.6	22.5°	3203.5	3159.2	2707.7	1824.8	1221.5	964.8	843.9	788.8	757.9	724.3
3544.9	25°	3496.5	3444.1	2764.1	1675.7	1115.3	880.2	782.1	736.4	700.1	661.1
3987.0	27.5°	3906.3	3812.3	2831.3	1553.4	1024.0	807.6	725.6	674.6	632.9	600.7
4488.2	30°	4363.2	4208.7	2890.5	1479.5	940.6	740.4	651.7	600.7	561.7	538.9
4938.4	32.5°	4795.9	4586.3	2929.4	1447.2	865.4	663.8	571.1	516.0	486.4	479.7
5379.1	35°	5204.4	4927.6	2925.4	1416.3	798.2	587.2	491.8	435.4	412.5	416.6
5853.5	37.5°	5674.7	5291.8	2897.2	1368.0	743.1	517.4	423.3	373.6	353.4	354.8
6429.9	40°	6221.7	5712.4	2879.7	1276.6	682.6	452.9	366.8	326.5	311.8	306.4
7037.3	42.5°	6804.9	6119.5	2882.4	1173.1	607.4	395.1	327.9	294.3	280.8	276.8
7713.2	45°	7390.7	6507.9	2886.4	1065.6	528.1	350.7	299.7	271.4	263.4	258.0
8398.6	47.5°	7941.7	6838.4	2811.2	950.0	450.2	317.1	276.8	258.0	251.3	244.6
9086.6	50°	8455.0	7058.8	2629.8	815.7	388.3	290.3	259.3	245.9	239.2	232.5
9710.1	52.5°	8854.1	7093.8	2330.1	677.3	345.3	270.1	248.6	236.5	228.4	221.7
10214.0	55°	9031.5	6874.7	1904.1	548.3	311.8	252.6	237.8	225.8	216.3	209.6
10610.4	57.5°	8985.8	6413.8	1484.9	440.8	279.5	235.2	224.4	216.3	205.6	194.8
10931.6	60°	8761.4	5797.0	1119.4	366.8	249.9	216.3	209.6	202.9	188.1	172.0
11055.2	62.5°	8373.0	5021.7	798.2	303.7	217.7	194.8	192.2	186.8	165.3	135.7
10872.4	65°	7779.1	4079.7	537.5	252.6	186.8	170.7	172.0	162.6	134.4	100.8
10203.2	67.5°	6911.0	2983.2	344.0	206.9	155.9	142.4	143.8	138.4	114.2	86.0
8934.7	70°	5805.1	1975.3	224.4	157.2	125.0	110.2	118.3	119.6	96.8	69.9
6857.3	72.5°	4255.7	1166.4	157.2	116.9	91.4	76.6	96.8	99.4	77.9	52.4
4125.4	75°	2425.5	553.6	118.3	84.7	56.4	53.8	75.3	75.3	53.8	34.9
1785.9	77.5°	1018.6	231.1	83.3	55.1	32.3	30.9	51.1	47.0	26.9	16.1
435.4	80°	294.3	103.5	44.3	26.9	13.4	12.1	20.2	14.8	6.7	2.7
165.3	82.5°	115.6	45.7	17.5	10.8	5.4	5.4	2.7	0.0	0.0	0.0
94.1	85°	68.5	18.8	8.1	4.0	1.3	0.0	0.0	0.0	0.0	0.0
20.2	87.5°	17.5	4.0	2.7	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

180°
2331.4
2315.3
2215.9
1932.3
1534.6
1197.3
1002.5
866.7
780.7
718.9
657.1
593.9
534.8
483.8
416.6
360.1
305.0
275.5
258.0
244.6
232.5
220.4
208.3
193.5
169.3
133.0
98.1
82.0
67.2
49.7
32.3
16.1
2.7
0.0
0.0
0.0
0.0