

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: P952656

Luminaire Tested: **GLAN-SB6B-940-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-940-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25203 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

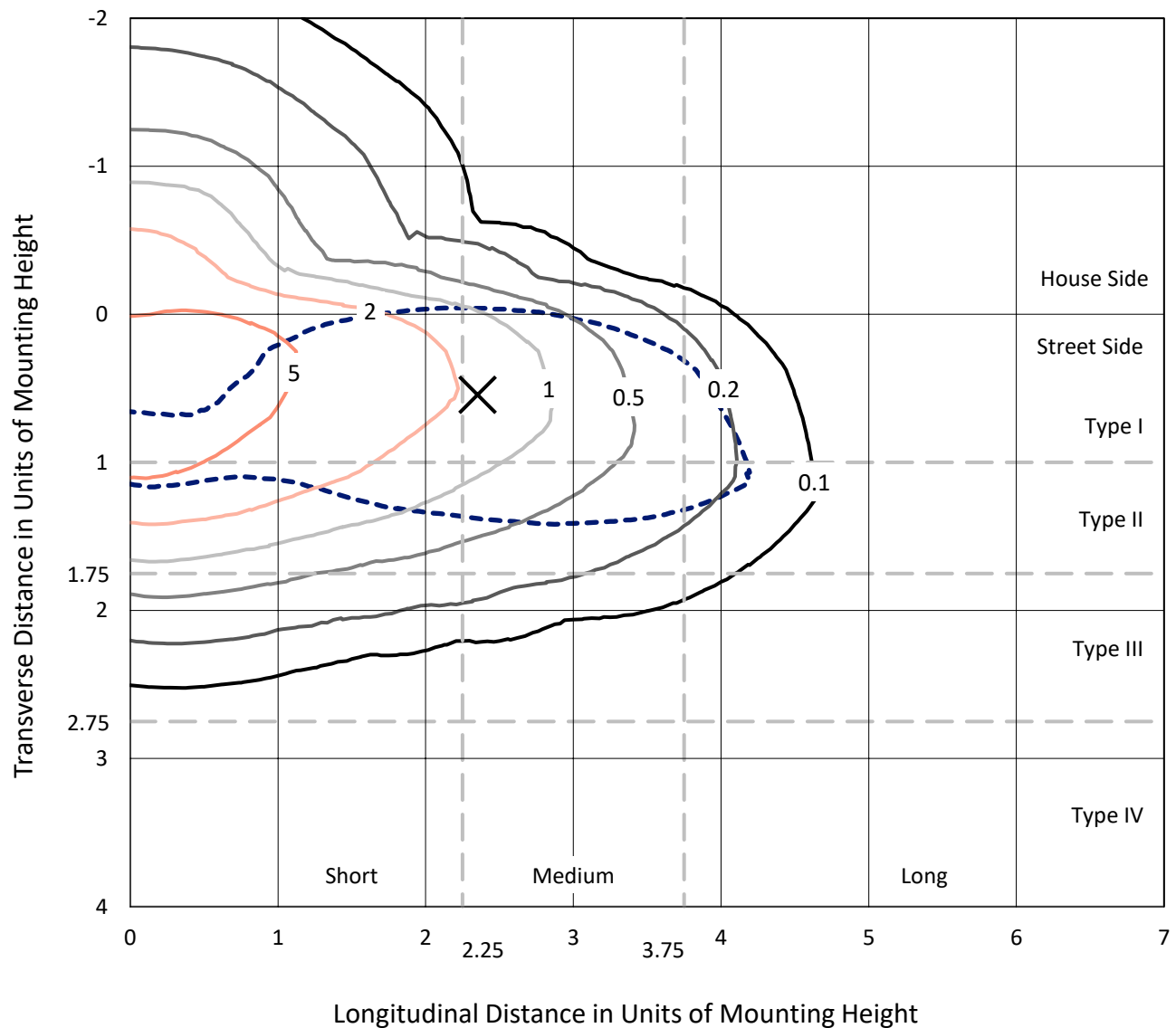
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952656
CATALOG NUMBER: GLAN-SB6B-940-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

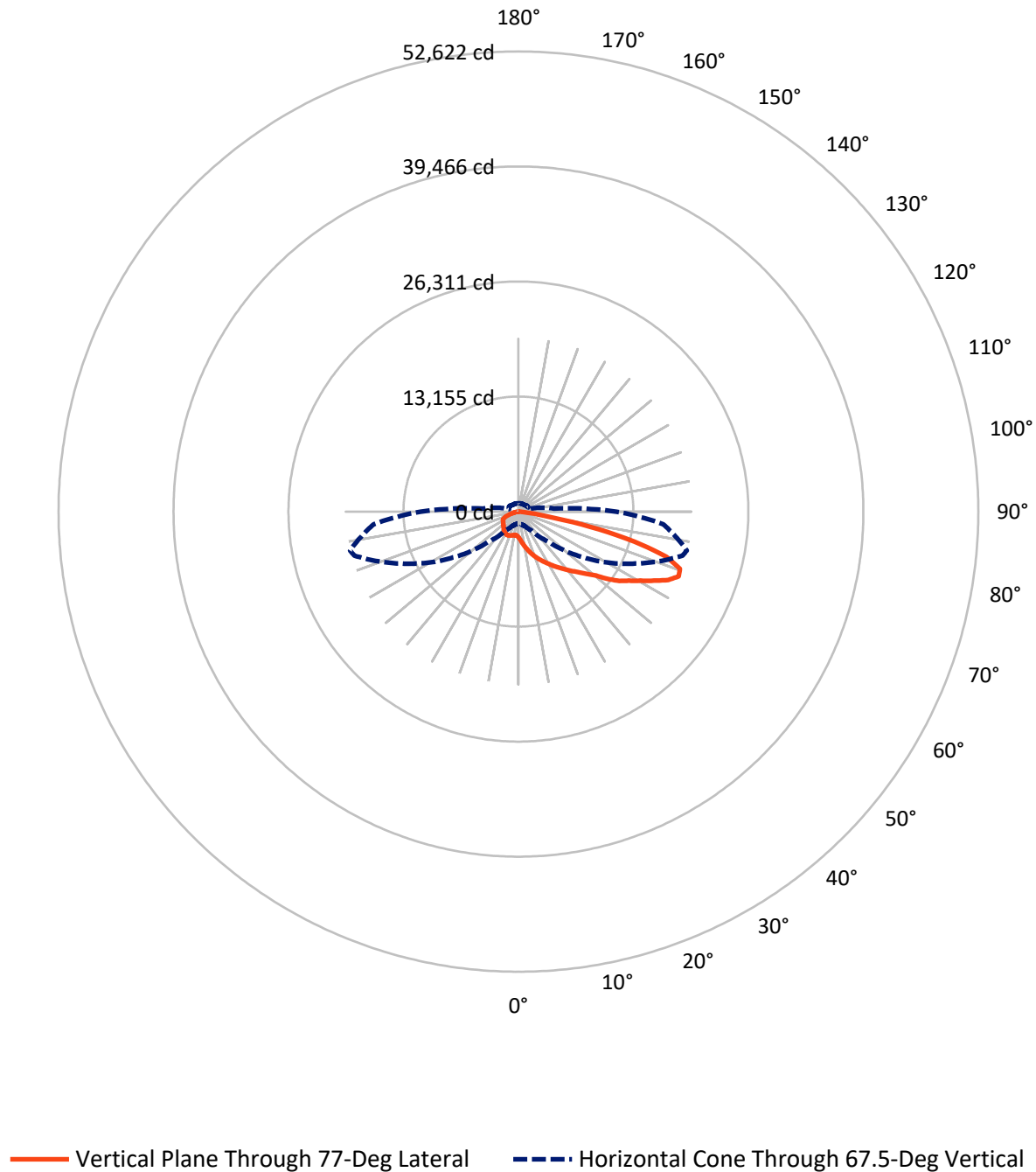
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type II - Medium - N/A

REPORT NUMBER: P952656
CATALOG NUMBER: GLAN-SB6B-940-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P952656

CATALOG NUMBER: GLAN-SB6B-940-U-T2R

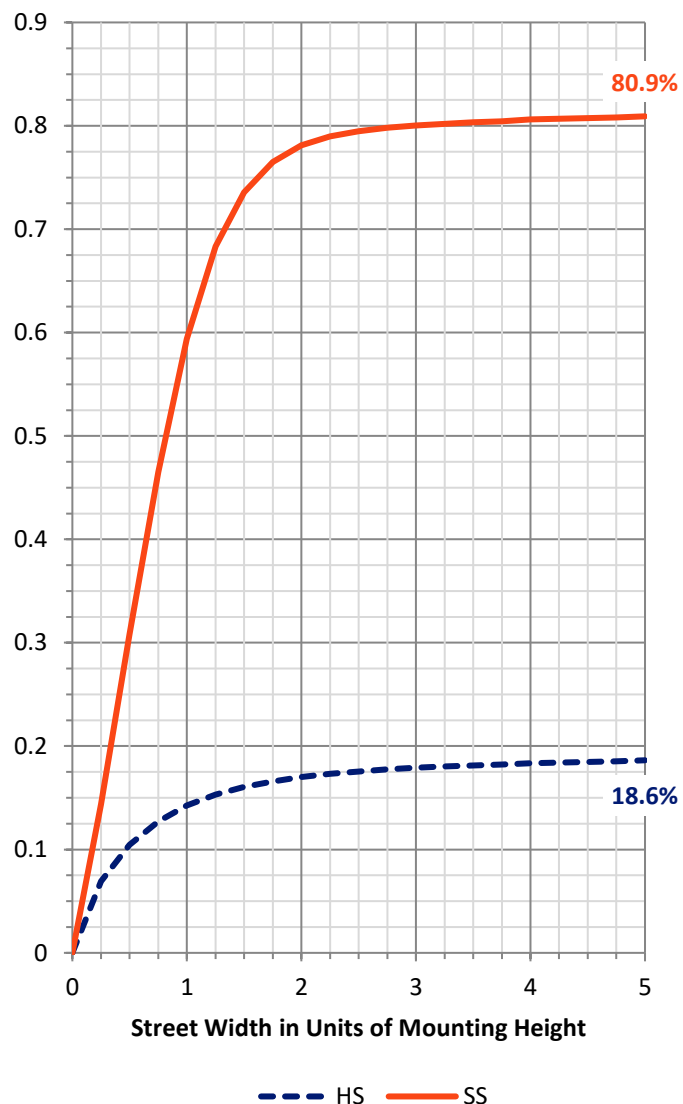
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4767.4	0.0	4767.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	20435.6	0.0	20435.6
	% Fixture	81.1	0.0	81.1
Total	Lumens	25203.0	0.0	25203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.0	1.3
10°-20°	1138.7	4.5
20°-30°	2150.0	8.5
30°-40°	3463.6	13.7
40°-50°	4737.6	18.8
50°-60°	5344.0	21.2
60°-70°	4988.0	19.8
70°-80°	2734.3	10.8
80°-90°	329.8	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°	25203.0	100.0
0°-180°	25203.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952656

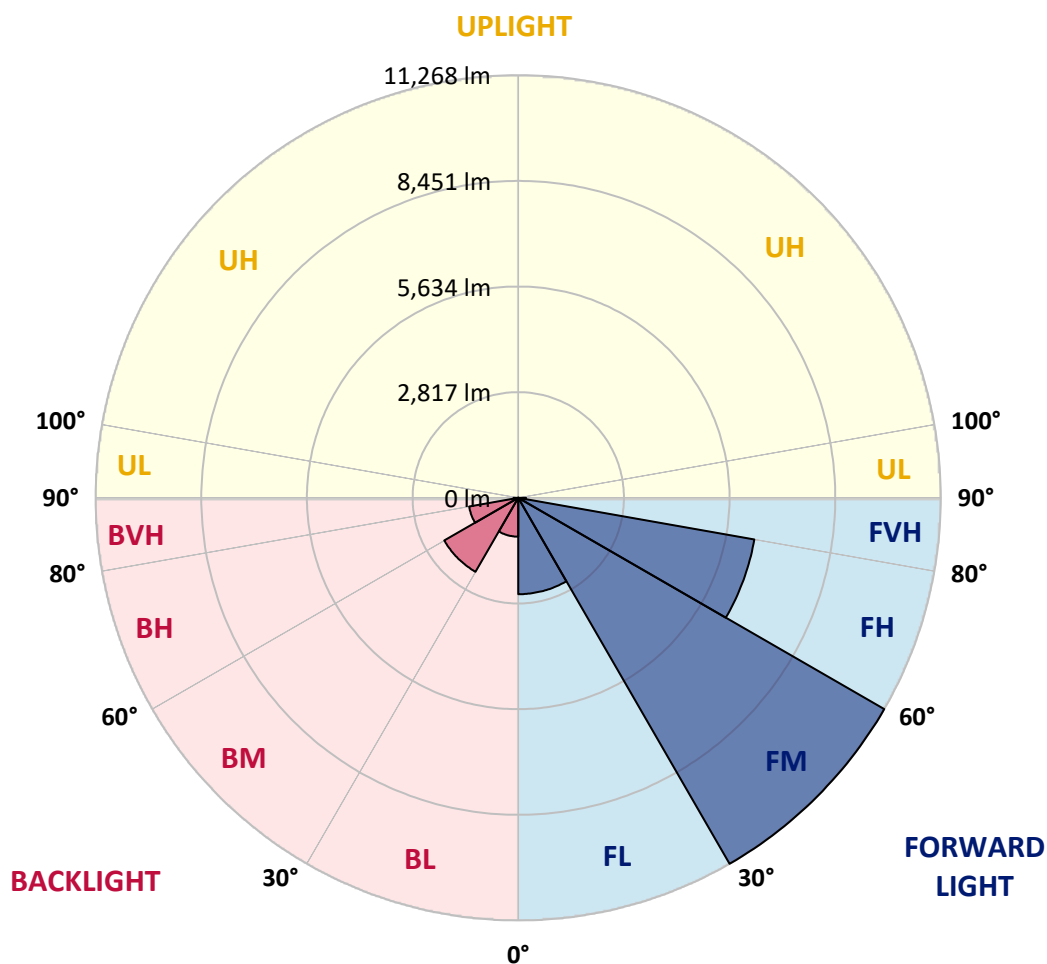
CATALOG NUMBER: GLAN-SB6B-940-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2569.1	10.2			
FM	(30°-60°)	11268.0	44.7			
FH	(60°-80°)	6392.2	25.4			G3/7500
FVH	(80°-90°)	206.3	0.8			G2/225
BL	(0°-30°)	1036.5	4.1	B3/2500		
BM	(30°-60°)	2277.3	9.0	B2/2500		
BH	(60°-80°)	1330.0	5.3	B3/2500		G3/2500
BVH	(80°-90°)	123.6	0.5			G2/225
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



REPORT NUMBER: P952656

CATALOG NUMBER: GLAN-SB6B-940-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1
2.5°	3702.5	3728.6	3696.0	3696.0	3586.8	3529.5	3420.2	3337.0	3187.4	3161.3
5°	4376.4	4409.0	4363.4	4343.9	4215.1	4096.7	3913.3	3732.5	3465.8	3438.5
7.5°	4898.1	4939.8	4899.4	4878.6	4764.1	4631.4	4416.8	4164.4	3788.4	3735.1
10°	5323.6	5330.1	5317.0	5324.9	5235.1	5125.8	4905.9	4611.9	4142.3	4069.4
12.5°	5564.2	5594.2	5620.2	5667.0	5651.4	5583.7	5386.0	5034.7	4517.0	4423.3
15°	5677.4	5729.5	5788.0	5896.0	5983.1	6000.1	5849.1	5488.8	4898.1	4785.0
17.5°	5717.7	5767.2	5859.5	6015.7	6203.0	6329.2	6261.5	5929.8	5275.4	5145.3
20°	5922.0	5936.3	5992.2	6140.6	6343.5	6553.0	6603.7	6353.9	5648.8	5501.8
22.5°	6359.1	6330.5	6346.1	6413.8	6559.5	6762.4	6878.2	6728.6	6032.6	5863.5
25°	7081.2	6997.9	6914.6	6836.6	6910.7	7025.2	7156.6	7103.3	6434.6	6219.9
27.5°	7993.1	7891.7	7708.2	7451.9	7362.2	7402.5	7461.0	7450.6	6806.7	6589.4
30°	8890.8	8772.4	8553.8	8183.1	7946.3	7839.6	7795.4	7765.5	7211.3	6979.7
32.5°	9607.6	9514.0	9299.3	8884.3	8540.8	8358.7	8211.7	8105.0	7634.1	7402.5
35°	10234.7	10147.5	9901.6	9448.9	9075.5	8881.7	8689.1	8461.5	8073.8	7839.6
37.5°	10807.1	10720.0	10383.0	9912.1	9536.1	9402.1	9230.4	8844.0	8514.8	8293.7
40°	11168.8	11149.3	10834.4	10301.0	9910.8	9844.4	9787.2	9287.6	9004.0	8798.4
42.5°	11261.2	11304.1	11054.3	10615.9	10243.8	10190.5	10324.5	9789.8	9553.0	9356.5
45°	11038.7	11162.3	10998.4	10700.4	10480.6	10452.0	10800.6	10338.8	10160.5	9981.0
47.5°	10475.4	10684.8	10617.2	10575.5	10544.3	10667.9	11219.5	10921.6	10848.8	10692.6
50°	9338.3	9735.1	9853.5	10116.3	10418.1	10835.7	11600.7	11557.8	11652.7	11495.3
52.5°	7372.6	7919.0	8605.9	9264.2	10030.4	10779.8	12019.6	12471.1	12871.8	12785.9
55°	6085.9	6331.8	6860.0	8067.3	9278.5	10544.3	12208.3	13208.7	14081.7	14004.9
57.5°	5097.2	5317.0	5642.3	6650.5	8141.4	10009.6	12325.3	13658.8	14910.4	14902.6
60°	4036.9	4269.8	4602.8	5317.0	6813.2	9085.9	12299.3	14171.4	15968.1	16033.1
62.5°	2840.0	3096.3	3465.8	4131.9	5456.2	7889.1	11768.5	14542.2	17213.1	17390.0
65°	1866.9	2036.0	2314.4	2889.4	4065.5	6350.0	10755.1	14590.3	18545.3	18844.5
67.5°	1308.8	1373.8	1537.7	1850.0	2680.0	4869.5	9140.6	14092.1	19433.8	19770.8
70°	1021.3	1053.8	1137.0	1261.9	1683.4	3274.5	7004.4	12796.3	19243.9	19595.1
72.5°	882.1	913.3	944.5	960.1	1129.2	2021.7	4744.6	10699.1	17455.1	17693.1
75°	800.1	807.9	833.9	828.7	861.2	1311.4	2738.5	7795.4	13772.0	13690.1
77.5°	672.6	683.0	725.9	719.4	765.0	896.4	1422.0	5030.8	8928.5	8371.7
80°	569.8	575.0	621.9	614.1	664.8	649.2	725.9	2564.2	3787.1	3208.2
82.5°	197.7	244.6	474.9	489.2	507.4	392.9	418.9	1046.0	1156.6	886.0
85°	96.3	102.8	242.0	343.5	342.2	197.7	204.3	373.4	364.3	286.2
87.5°	15.6	19.5	28.6	134.0	106.7	52.0	70.3	72.9	75.5	65.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952656

CATALOG NUMBER: GLAN-SB6B-940-U-T2R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2957.1	0°	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1	2957.1
3062.5	2.5°	2989.6	2924.6	2788.0	2661.8	2562.9	2467.9	2414.6	2369.1	2343.0	2337.8
3205.6	5°	3070.3	2936.3	2687.8	2478.3	2341.7	2240.3	2186.9	2153.1	2136.2	2125.8
3398.1	7.5°	3186.1	2989.6	2635.8	2397.7	2254.6	2181.7	2154.4	2149.2	2147.9	2149.2
3631.0	10°	3346.1	3076.8	2630.6	2378.2	2258.5	2218.1	2216.8	2218.1	2223.4	2224.7
3884.7	12.5°	3519.1	3166.6	2651.4	2395.1	2307.9	2285.8	2281.9	2280.6	2284.5	2287.1
4141.0	15°	3707.8	3284.9	2686.5	2431.5	2362.6	2339.1	2335.2	2327.4	2326.1	2324.8
4410.3	17.5°	3901.6	3402.0	2725.5	2470.5	2397.7	2365.2	2350.8	2332.6	2318.3	2314.4
4688.7	20°	4098.0	3517.8	2752.8	2490.0	2400.3	2354.7	2326.1	2294.9	2270.2	2255.9
4969.7	22.5°	4307.5	3638.8	2769.8	2484.8	2376.9	2314.4	2262.4	2226.0	2188.2	2163.5
5253.3	25°	4511.7	3744.2	2768.5	2457.5	2331.3	2252.0	2185.6	2138.8	2086.7	2060.7
5546.0	27.5°	4708.2	3839.1	2735.9	2409.4	2266.3	2177.8	2098.5	2042.5	1991.8	1967.1
5841.3	30°	4911.1	3918.5	2685.2	2339.1	2189.5	2092.0	2004.8	1956.7	1911.1	1887.7
6153.6	32.5°	5112.8	3991.4	2613.6	2252.0	2101.1	2007.4	1921.5	1877.3	1850.0	1850.0
6489.2	35°	5326.2	4042.1	2518.7	2150.5	2007.4	1917.6	1850.0	1824.0	1821.4	1805.7
6844.4	37.5°	5551.2	4074.6	2402.9	2046.4	1915.0	1830.5	1809.6	1778.4	1752.4	1718.6
7234.7	40°	5788.0	4107.1	2263.7	1938.4	1817.4	1770.6	1761.5	1719.9	1645.7	1562.5
7677.0	42.5°	6075.5	4129.3	2119.3	1830.5	1714.7	1699.1	1712.1	1640.5	1522.1	1459.7
8210.4	45°	6408.6	4165.7	1986.6	1723.8	1609.3	1609.3	1663.9	1570.3	1472.7	1433.7
8819.2	47.5°	6840.5	4250.3	1863.0	1606.7	1511.7	1537.7	1557.3	1485.7	1431.1	1382.9
9560.8	50°	7464.9	4453.2	1735.5	1488.3	1437.6	1489.6	1462.3	1420.7	1356.9	1317.9
10739.5	52.5°	8240.3	4572.9	1622.3	1381.6	1373.8	1425.9	1386.8	1347.8	1299.7	1247.6
11633.2	55°	8768.5	4595.0	1527.3	1303.6	1330.9	1325.7	1311.4	1276.2	1250.2	1181.3
12515.3	57.5°	9359.1	4639.2	1449.3	1256.7	1303.6	1246.3	1241.1	1211.2	1177.4	1130.5
13591.2	60°	10065.6	4708.2	1381.6	1238.5	1280.2	1194.3	1168.3	1156.6	1122.7	1099.3
14885.6	62.5°	10835.7	4770.6	1312.7	1241.1	1252.8	1143.5	1104.5	1100.6	1079.8	1072.0
16100.8	65°	11361.3	4600.2	1226.8	1238.5	1209.9	1091.5	1042.1	1040.8	1023.9	1021.3
16627.6	67.5°	11177.9	4060.3	1111.0	1202.1	1165.7	1039.5	984.8	979.6	957.5	958.8
16077.3	70°	10259.4	3290.1	951.0	1112.3	1111.0	992.6	925.0	908.1	878.2	883.4
13978.9	72.5°	8536.9	2438.0	736.3	962.7	1023.9	949.7	856.0	828.7	791.0	796.2
10319.3	75°	6165.3	1657.4	536.0	732.4	891.2	899.0	788.4	741.6	696.0	703.8
5743.8	77.5°	3154.8	939.3	394.2	504.8	699.9	817.0	727.2	664.8	654.4	727.2
1656.1	80°	1029.1	470.9	273.2	353.9	459.2	668.7	637.5	565.9	563.3	580.2
347.4	82.5°	307.0	199.0	175.6	232.9	253.7	512.6	550.3	428.0	368.2	387.7
115.8	85°	105.4	96.3	100.2	115.8	121.0	300.5	385.1	283.6	268.0	295.3
26.0	87.5°	24.7	33.8	28.6	26.0	26.0	72.9	149.6	118.4	163.9	109.3
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°
2957.1
2337.8
2124.5
2153.1
2226.0
2288.4
2323.5
2318.3
2261.1
2164.8
2060.7
1965.8
1886.4
1851.3
1801.8
1713.4
1550.8
1461.0
1440.2
1381.6
1314.0
1237.2
1182.6
1114.9
1105.8
1072.0
1020.0
958.8
888.6
794.9
706.4
716.8
498.3
400.7
291.4
105.4
0.0