

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: P954372

Luminaire Tested: **GLAN-SB7C-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31684 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

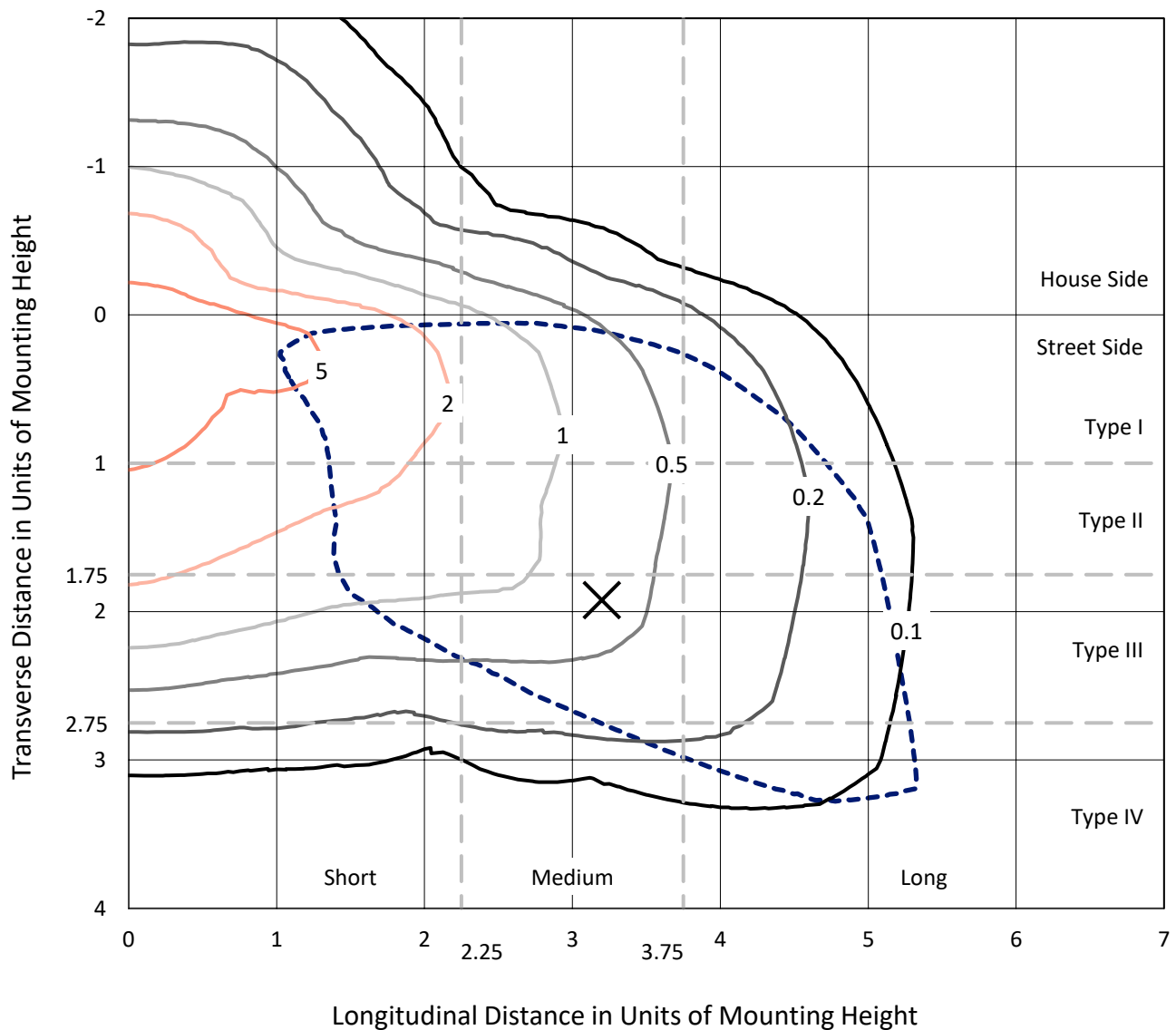
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

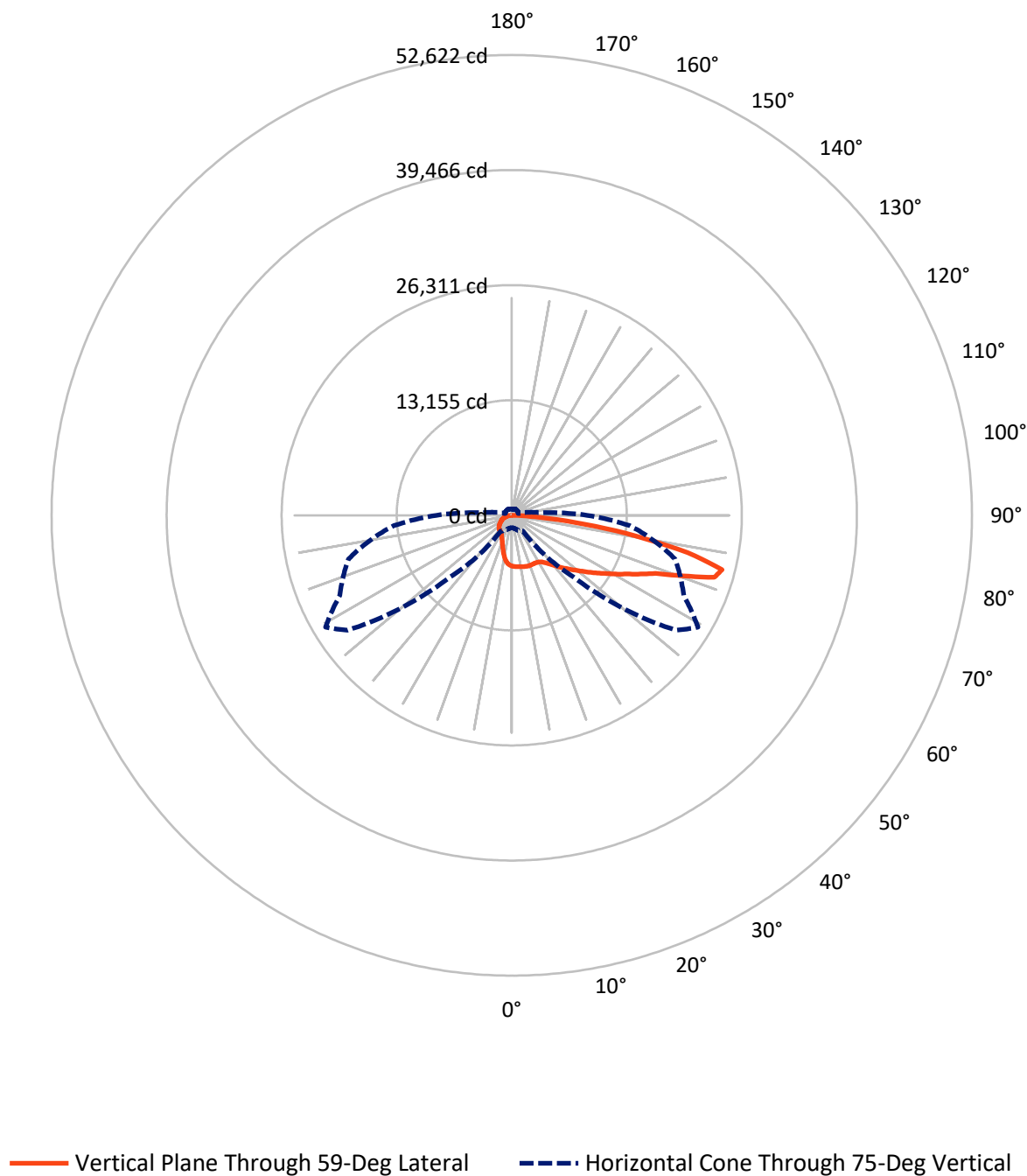
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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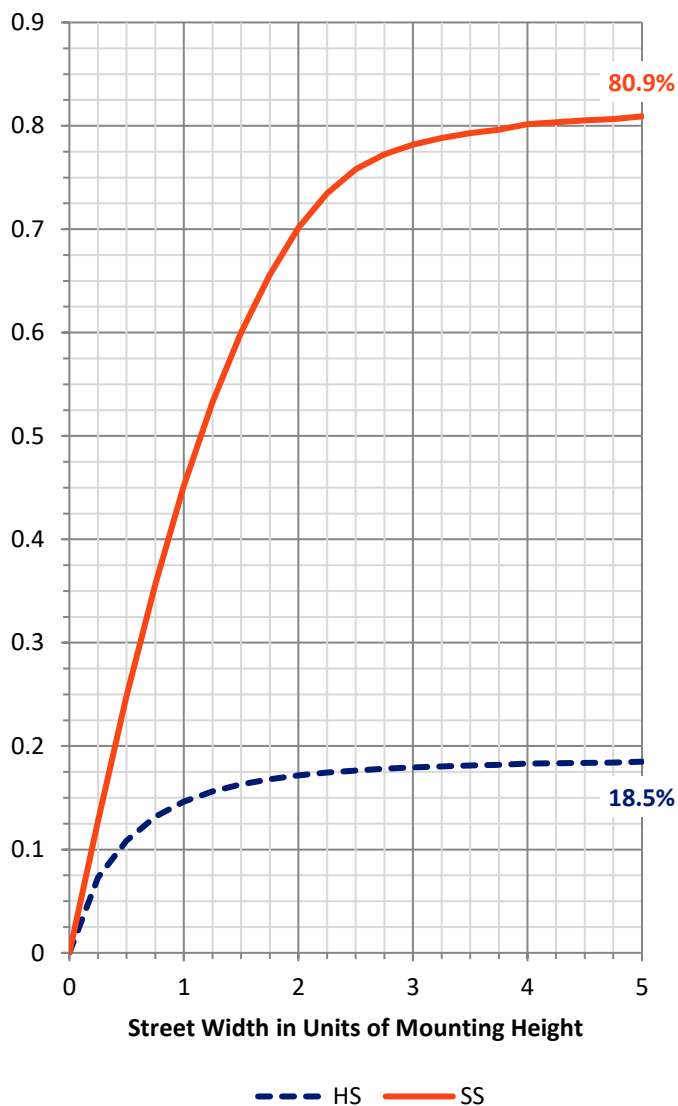
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5942.6	0.0	5942.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	25741.4	0.0	25741.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	31684.0	0.0	31684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.5	1.6
10°-20°	1332.9	4.2
20°-30°	2024.5	6.4
30°-40°	3009.4	9.5
40°-50°	4475.5	14.1
50°-60°	6075.0	19.2
60°-70°	7416.6	23.4
70°-80°	5820.4	18.4
80°-90°	1008.2	3.2
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°	31684.0	100.0
0°-180°	31684.0	100.0

Coefficient of Utilization



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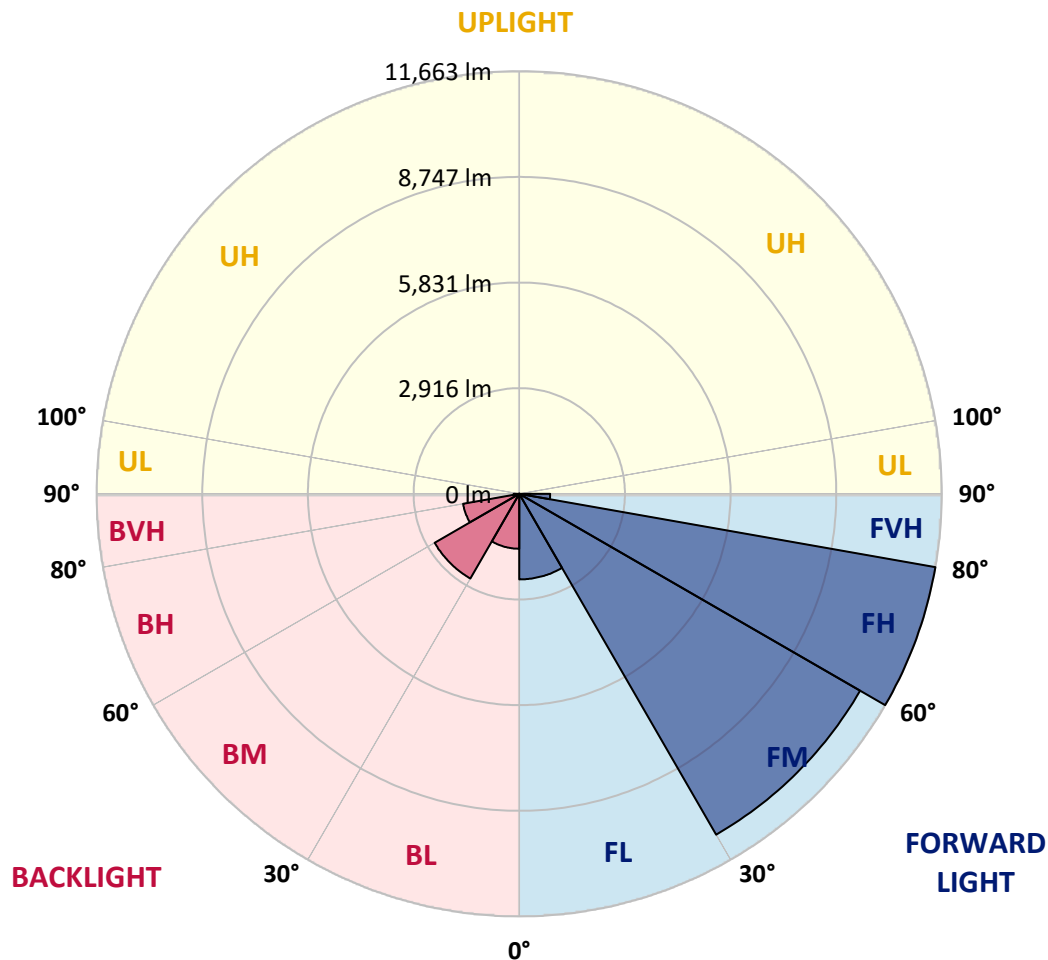
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2362.4	7.5			
FM	(30°-60°)	10862.6	34.3			
FH	(60°-80°)	11662.6	36.8			G4/12000
FVH	(80°-90°)	853.9	2.7			G5
BL	(0°-30°)	1516.5	4.8	B3/2500		
BM	(30°-60°)	2697.3	8.5	B3/5000		
BH	(60°-80°)	1574.4	5.0	B3/2500		G3/2500
BVH	(80°-90°)	154.3	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-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5
2.5°	5865.0	5844.5	5865.0	5856.4	5853.0	5846.2	5847.9	5859.8	5853.0	5861.5
5°	5825.8	5813.8	5834.3	5829.2	5851.3	5854.7	5876.9	5890.5	5899.0	5900.7
7.5°	5761.0	5749.1	5778.0	5801.9	5849.6	5863.3	5909.3	5931.4	5943.4	5963.8
10°	5524.1	5519.0	5590.5	5680.9	5793.4	5863.3	5933.1	5970.6	5989.4	6043.9
12.5°	5104.8	5111.6	5205.3	5379.2	5604.2	5829.2	5960.4	6014.9	6043.9	6112.1
15°	4704.2	4702.5	4804.8	4990.6	5305.9	5679.2	5974.0	6067.8	6117.2	6217.8
17.5°	4472.4	4465.6	4537.2	4678.7	4971.8	5449.1	5940.0	6096.8	6202.4	6328.6
20°	4429.8	4416.2	4453.7	4523.6	4731.5	5196.8	5851.3	6096.8	6270.6	6434.2
22.5°	4584.9	4562.8	4547.4	4538.9	4630.9	4988.9	5750.8	6076.3	6371.2	6585.9
25°	4896.8	4862.7	4784.3	4707.6	4680.4	4895.1	5662.1	6071.2	6521.2	6790.5
27.5°	5401.4	5358.7	5200.2	5016.1	4850.8	4942.9	5622.9	6101.9	6686.5	7006.9
30°	6026.9	5980.9	5781.4	5498.5	5201.9	5120.1	5672.4	6192.2	6897.8	7295.0
32.5°	6587.6	6536.5	6366.1	6078.0	5677.5	5426.9	5829.2	6364.4	7230.2	7695.5
35°	7085.3	7025.7	6872.3	6606.4	6260.4	5858.1	6112.1	6669.4	7702.3	8346.6
37.5°	7572.8	7502.9	7335.9	7054.7	6812.6	6432.5	6502.4	7061.5	8329.6	9137.5
40°	8118.2	8017.7	7814.8	7537.0	7301.8	7105.8	7015.4	7542.1	8967.0	10020.4
42.5°	8646.6	8551.1	8309.1	8072.2	7777.3	7721.1	7610.3	8104.6	9664.1	10990.2
45°	9215.9	9101.7	8808.5	8508.5	8322.7	8130.1	8186.4	8667.0	10347.6	11978.8
47.5°	9749.4	9621.5	9275.5	8941.5	8839.2	8474.4	8714.8	9285.8	11058.4	12981.0
50°	10037.4	9911.3	9623.2	9321.5	9241.4	8898.8	9287.5	9965.8	11803.2	13979.8
52.5°	10277.7	10141.4	9764.7	9597.7	9573.8	9360.7	9993.1	10743.0	12548.0	14862.7
55°	10533.4	10381.7	9901.1	9751.1	9860.1	9878.9	10830.0	11624.2	13335.5	15723.4
57.5°	10828.3	10635.7	10032.3	9880.6	10139.7	10485.7	11791.3	12537.8	14109.3	16521.1
60°	11106.1	10911.8	10284.6	10086.8	10441.4	11189.6	12894.0	13644.0	14985.4	17231.8
62.5°	11160.6	11000.4	10485.7	10484.0	10850.4	12011.1	14199.6	14760.4	15750.7	17934.1
65°	10216.4	10115.8	9810.7	10468.6	11436.7	13194.0	15653.5	16188.7	16723.9	18547.6
67.5°	7775.6	7789.3	7767.1	9036.9	10962.9	14893.3	17758.5	17717.6	17925.5	19236.2
70°	3555.4	3635.6	4157.1	6238.2	8782.9	15089.4	21238.9	20708.9	19434.0	20127.7
72.5°	1920.9	1982.3	2195.3	3022.0	5280.3	13415.6	23839.9	24216.6	21440.1	20727.6
75°	1409.6	1443.7	1591.9	1920.9	2217.5	9970.9	22907.6	24840.4	21690.6	19328.3
77.5°	1055.0	1070.4	1191.4	1522.1	1135.2	5256.5	18303.9	20572.5	18568.1	15880.2
80°	765.3	782.3	872.7	1142.0	796.0	1922.6	12568.5	14440.0	12716.8	10122.6
82.5°	528.4	535.2	574.4	777.2	555.6	746.5	7131.4	8467.6	7099.0	3552.0
85°	318.7	327.3	344.3	453.4	315.3	354.5	3078.2	3183.9	2122.0	848.8
87.5°	131.2	139.8	153.4	190.9	124.4	98.9	507.9	637.5	397.1	248.8
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°
5815.5	0°	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5	5815.5
5832.6	2.5°	5824.0	5812.1	5779.7	5735.4	5694.5	5643.4	5621.2	5602.5	5585.4	5553.0
5878.6	5°	5859.8	5827.5	5740.5	5628.0	5500.2	5360.4	5224.1	5130.3	5050.2	4990.6
5931.4	7.5°	5914.4	5853.0	5694.5	5464.4	5171.3	4871.3	4600.3	4407.7	4262.8	4210.0
6006.4	10°	5970.6	5897.3	5621.2	5215.6	4709.4	4247.4	3887.8	3690.1	3574.2	3536.7
6095.1	12.5°	6037.1	5929.7	5507.0	4869.6	4192.9	3686.7	3373.1	3257.2	3197.5	3177.1
6204.1	15°	6134.3	5957.0	5334.9	4436.6	3700.3	3277.6	3074.8	2994.7	2964.0	2962.3
6316.6	17.5°	6207.5	5962.1	5067.3	3973.0	3321.9	3030.5	2863.4	2832.8	2853.2	2883.9
6427.4	20°	6289.4	5916.1	4716.2	3550.3	3056.0	2814.0	2744.1	2764.6	2814.0	2858.3
6574.0	22.5°	6347.3	5832.6	4291.8	3221.4	2826.0	2689.6	2686.2	2728.8	2756.1	2778.2
6746.1	25°	6398.4	5691.1	3841.8	2945.3	2636.8	2614.6	2652.1	2638.5	2619.7	2638.5
6918.3	27.5°	6435.9	5467.8	3439.5	2703.2	2503.8	2563.5	2541.3	2510.6	2508.9	2519.2
7121.1	30°	6424.0	5169.5	3108.9	2473.1	2410.1	2468.0	2415.2	2410.1	2405.0	2410.1
7426.2	32.5°	6424.0	4830.4	2854.9	2314.6	2350.4	2328.3	2323.1	2311.2	2290.8	2289.1
7840.4	35°	6459.8	4491.2	2636.8	2229.4	2301.0	2248.1	2251.6	2222.6	2180.0	2159.5
8389.2	37.5°	6533.1	4218.5	2420.3	2188.5	2214.1	2212.4	2198.7	2149.3	2074.3	2009.5
9074.4	40°	6710.4	4138.4	2272.0	2169.7	2173.2	2193.6	2157.8	2062.4	1891.9	1786.2
9769.8	42.5°	6988.2	4273.0	2239.6	2123.7	2145.9	2166.3	2096.5	1874.9	1753.9	1690.8
10499.3	45°	7341.0	4508.2	2309.5	2057.3	2081.1	2116.9	1909.0	1803.3	1748.7	1750.5
11222.0	47.5°	7787.6	4755.4	2439.0	1999.3	1987.4	2007.8	1784.5	1719.8	1644.8	1663.5
11915.7	50°	8304.0	5005.9	2561.8	1920.9	1883.4	1816.9	1704.4	1643.1	1547.6	1503.3
12585.5	52.5°	8863.1	5248.0	2611.2	1825.4	1770.9	1694.2	1649.9	1574.9	1459.0	1385.7
13217.9	55°	9393.1	5467.8	2556.7	1711.3	1658.4	1598.8	1591.9	1545.9	1421.5	1319.2
13780.3	57.5°	9894.2	5651.9	2420.3	1595.3	1544.2	1508.4	1554.4	1532.3	1375.5	1244.2
14312.1	60°	10318.6	5778.0	2222.6	1477.7	1442.0	1423.2	1493.1	1486.3	1310.7	1164.1
14789.4	62.5°	10656.1	5827.5	2004.4	1365.3	1356.7	1322.6	1407.9	1407.9	1228.9	1085.7
15208.7	65°	10920.3	5779.7	1782.8	1254.5	1271.5	1220.4	1303.9	1293.7	1142.0	1015.8
15691.0	67.5°	11153.8	5622.9	1537.4	1145.4	1184.6	1119.8	1194.8	1170.9	1046.5	946.0
16108.6	70°	11257.8	5258.2	1257.9	1036.3	1084.0	1021.0	1085.7	1041.4	939.1	871.0
15650.1	72.5°	10422.6	4370.2	990.3	922.1	963.0	911.9	968.1	917.0	823.2	792.6
13514.5	75°	8622.7	3279.3	761.9	797.7	828.4	789.2	826.7	789.2	703.9	726.1
9982.9	77.5°	6262.1	2214.1	582.9	666.4	680.1	659.6	692.0	649.4	572.7	567.6
4975.2	80°	3114.0	1297.1	456.8	526.7	521.6	507.9	545.4	525.0	460.2	487.5
1343.1	82.5°	901.6	555.6	332.4	369.9	359.6	363.0	390.3	400.5	600.0	594.8
417.6	85°	282.9	218.2	199.4	206.2	196.0	201.1	230.1	456.8	422.7	247.1
129.5	87.5°	73.3	75.0	49.4	52.8	54.5	64.8	73.3	277.8	132.9	86.9
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°
5815.5
5537.7
4941.2
4117.9
3478.7
3182.2
2969.1
2895.8
2873.7
2790.2
2650.4
2536.2
2428.8
2311.2
2180.0
2031.7
1799.9
1690.8
1759.0
1711.3
1515.2
1384.0
1319.2
1237.4
1159.0
1080.6
1009.0
939.1
857.3
767.0
663.0
542.0
482.4
608.5
267.6
92.0
0.0