

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: P1211385

Luminaire Tested: **ARCH4-260-727-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-727-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35357 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 259.2
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

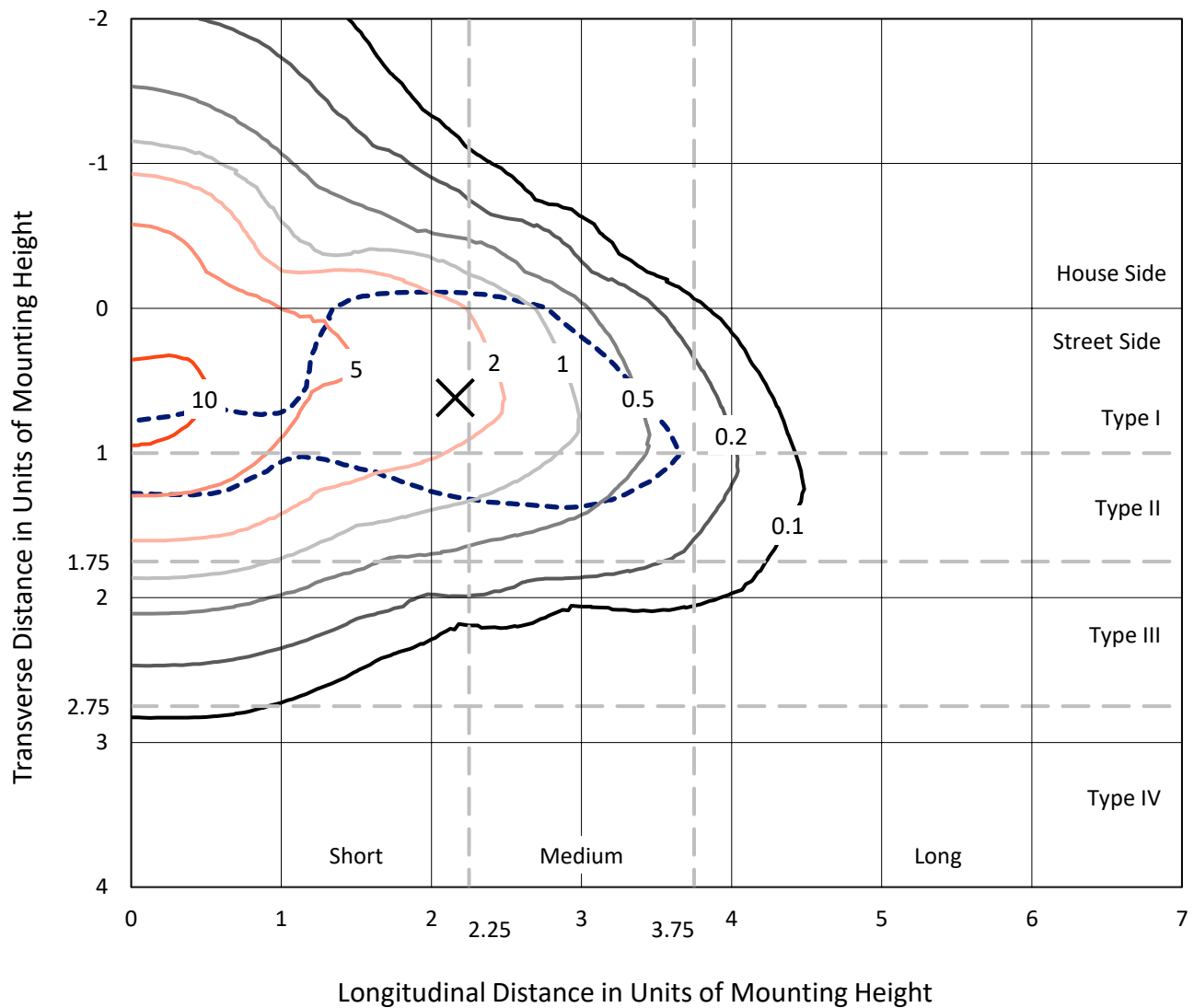


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Iso-Footcandle Lines of Horizontal Illumination

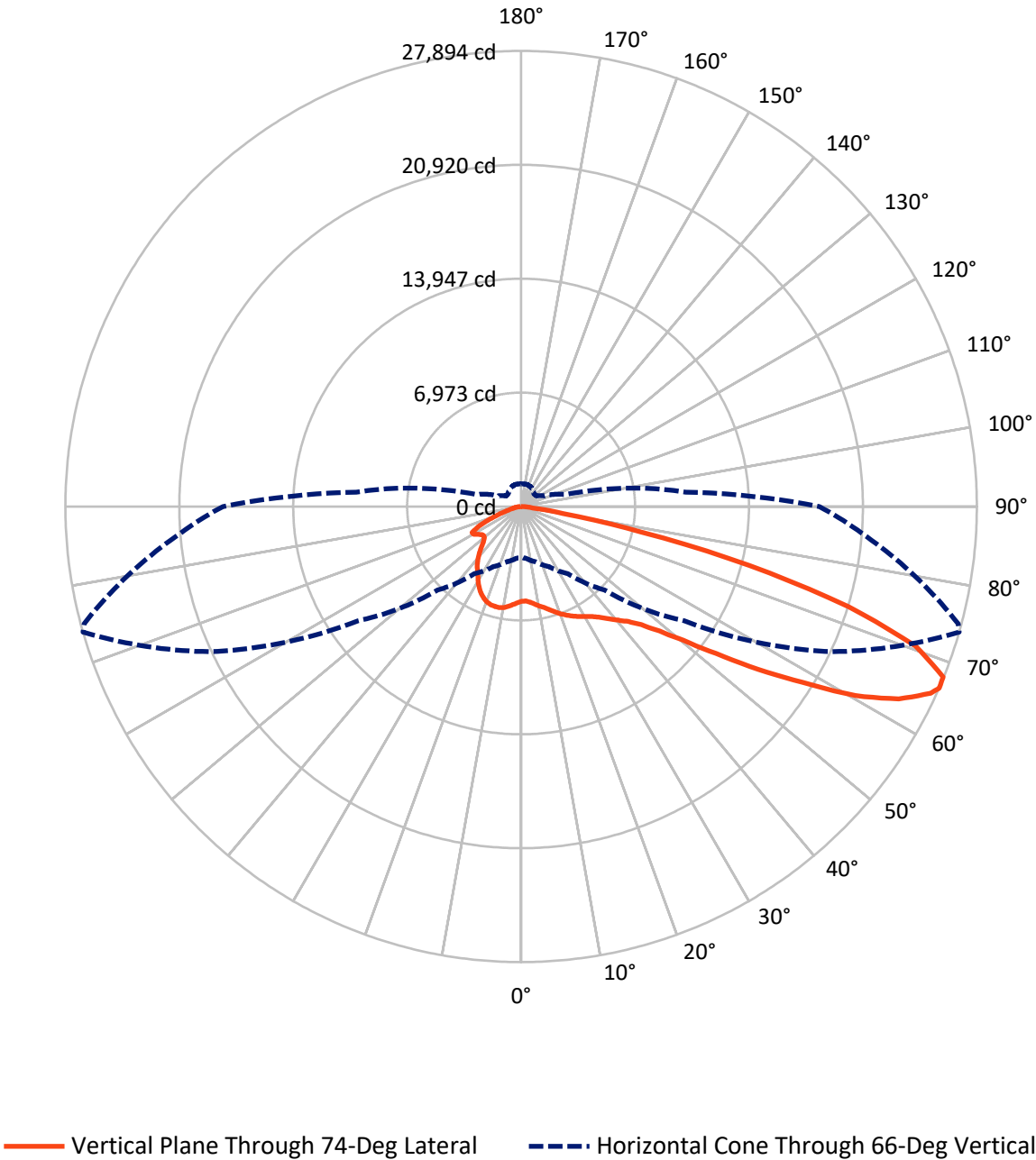
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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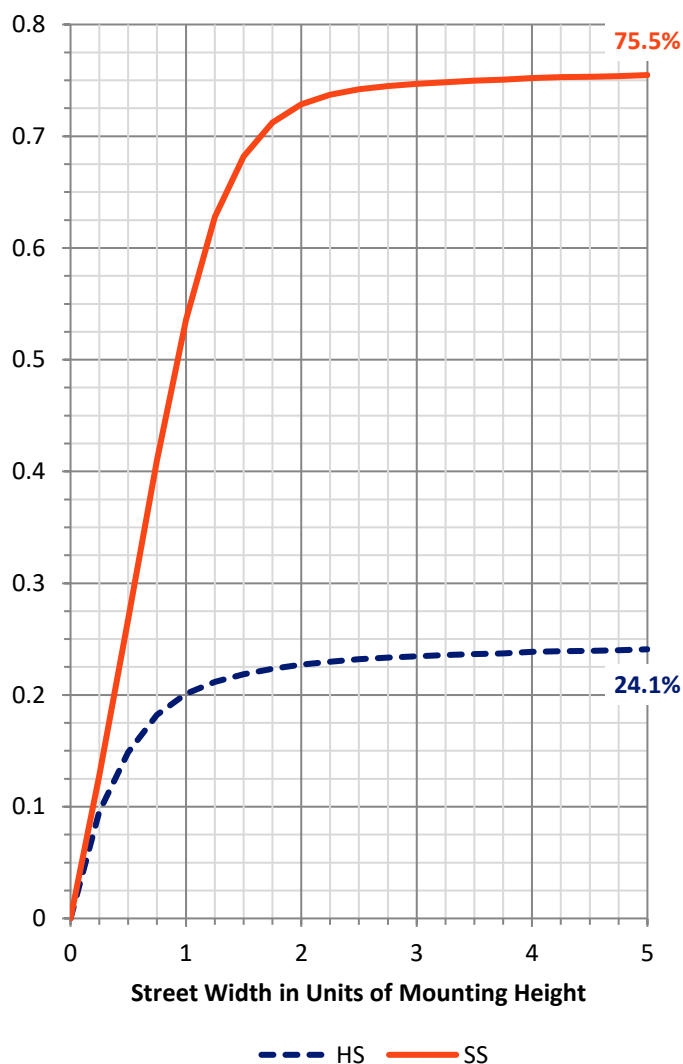
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8610.4	0.0	8610.4
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	26746.6	0.0	26746.6
	% Fixture	75.6	0.0	75.6
Total	Lumens	35357.0	0.0	35357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.9	1.6
10°-20°	1700.3	4.8
20°-30°	3190.6	9.0
30°-40°	4907.9	13.9
40°-50°	6601.6	18.7
50°-60°	7807.2	22.1
60°-70°	7222.0	20.4
70°-80°	3038.3	8.6
80°-90°	336.2	1.0
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°	35357.0	100.0
0°-180°	35357.0	100.0

Coefficient of Utilization



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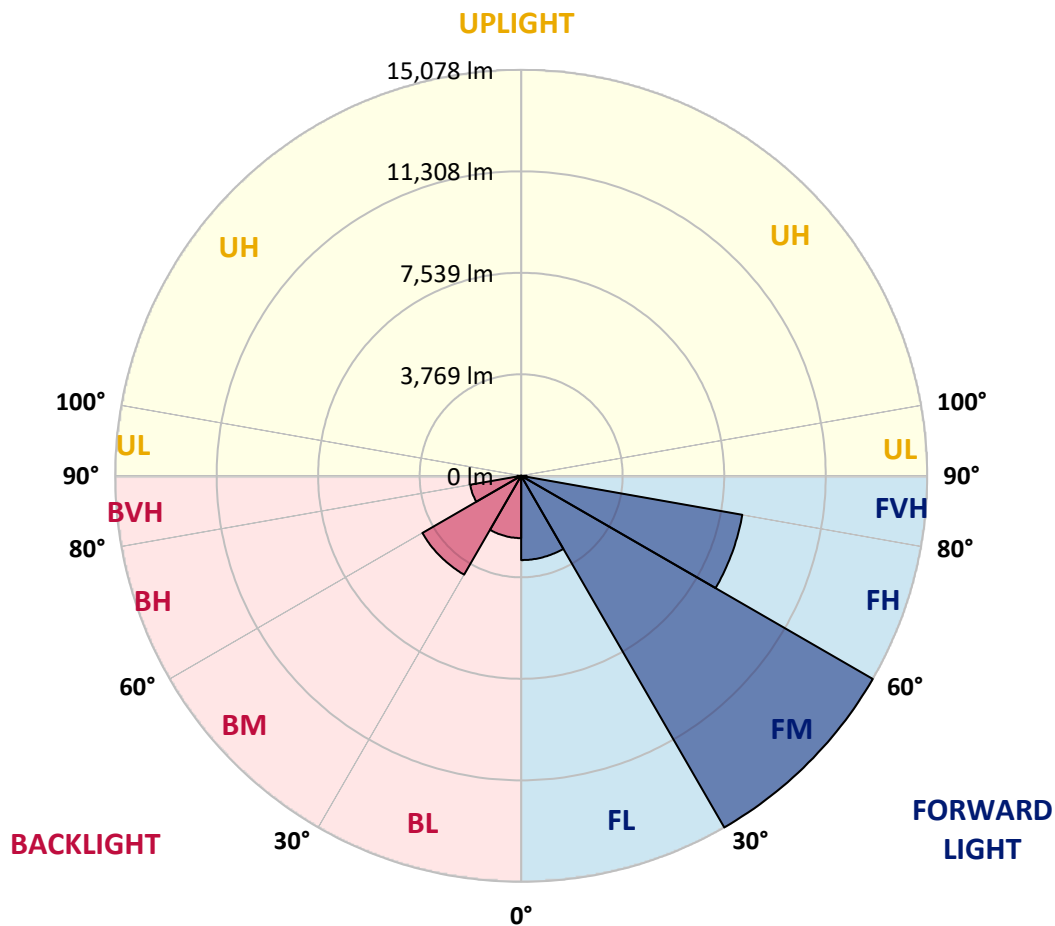
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3129.5	8.9			
FM	(30°-60°)	15077.8	42.6			
FH	(60°-80°)	8338.2	23.6			G4/12000
FVH	(80°-90°)	201.1	0.6			G2/225
BL	(0°-30°)	2314.3	6.5	B3/2500		
BM	(30°-60°)	4238.9	12.0	B3/5000		
BH	(60°-80°)	1922.1	5.4	B3/2500		G3/2500
BVH	(80°-90°)	135.1	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2
2.5°	5778.0	5768.9	5787.1	5814.4	5828.0	5805.3	5796.2	5791.6	5791.6	5778.0	5800.7
5°	5505.0	5500.5	5541.4	5591.5	5687.0	5755.2	5846.2	5900.8	5882.6	5855.3	5873.5
7.5°	5150.1	5141.0	5191.1	5286.6	5418.6	5568.7	5791.6	5964.5	6032.8	6023.7	6019.1
10°	5286.6	5277.5	5273.0	5245.7	5291.2	5436.8	5668.8	5973.6	6205.7	6210.2	6214.8
12.5°	5759.8	5782.5	5759.8	5673.3	5573.3	5518.7	5655.2	5996.4	6351.2	6378.5	6492.3
15°	6405.8	6383.1	6337.6	6237.5	6082.8	5919.0	5818.9	6101.0	6560.5	6583.3	6833.5
17.5°	6974.5	6992.7	6965.4	6869.9	6687.9	6474.1	6169.3	6283.0	6783.5	6847.1	7197.5
20°	7593.3	7666.1	7629.7	7511.4	7361.2	7042.8	6660.6	6546.9	7029.1	7074.6	7575.1
22.5°	8307.6	8384.9	8316.7	8202.9	8080.1	7688.8	7197.5	6869.9	7233.9	7329.4	7939.0
25°	9162.9	9235.7	9172.0	8994.6	8839.9	8362.2	7775.3	7233.9	7434.0	7538.7	8234.8
27.5°	9840.8	9895.4	9954.5	9849.9	9613.3	9117.4	8375.8	7611.5	7634.2	7743.4	8507.7
30°	10445.9	10582.4	10632.4	10646.1	10445.9	9890.8	8990.0	8002.7	7807.1	7920.9	8780.7
32.5°	11273.9	11478.6	11396.7	11478.6	11360.3	10618.8	9626.9	8407.7	8030.0	8134.7	9040.1
35°	12484.1	12647.9	12434.1	12370.4	12179.3	11355.8	10241.1	8826.2	8325.8	8439.5	9285.7
37.5°	13785.3	13971.8	13662.4	13407.7	13043.7	12083.7	10768.9	9376.7	8735.2	8826.2	9513.2
40°	14922.7	15077.4	14808.9	14472.3	13862.6	12725.2	11223.9	9763.4	9144.7	9258.4	9777.1
42.5°	15973.6	16073.7	15773.5	15450.4	14636.1	13303.0	11715.2	10172.9	9622.4	9731.6	9990.9
45°	17038.2	17115.6	16697.0	16237.5	15282.1	13830.8	12256.6	10746.2	10323.0	10468.6	10336.7
47.5°	17229.3	17252.1	17179.3	16869.9	15791.7	14335.8	12925.4	11515.0	11392.2	11551.4	10932.7
50°	15905.4	16110.1	16560.5	16865.4	15996.4	14758.9	13594.2	12616.0	12866.3	13071.0	12170.2
52.5°	13334.9	13530.5	14572.4	15728.0	15505.0	14854.4	14313.0	14012.8	14945.4	15191.1	13853.5
55°	10623.3	10796.2	11897.2	13562.4	13917.2	14417.7	15081.9	15796.2	17597.8	17761.6	15700.7
57.5°	8748.9	8844.4	9631.5	11233.0	11801.7	13020.9	15495.9	17916.3	20295.8	20546.0	17306.7
60°	7174.7	7279.4	7866.3	9185.6	9940.9	11023.7	15168.4	20009.1	23516.9	23516.9	19367.6
62.5°	5400.4	5491.4	6037.3	7070.1	8339.4	9331.2	14122.0	21396.8	25946.4	25837.2	20859.9
65°	3707.9	3780.7	4176.5	4863.5	6005.5	7952.7	12693.4	21415.0	27556.9	27411.3	21496.9
66°	3111.9	3175.6	3512.3	4067.3	5027.3	7215.7	12188.4	21028.2	27893.6	27688.9	21228.4
67.5°	2456.8	2502.3	2725.2	3052.8	3685.2	5841.7	11392.2	19931.8	27861.7	27738.9	20546.0
70°	1756.1	1788.0	1951.8	2020.0	2179.3	3380.4	9049.2	17456.8	25627.9	25664.3	17861.7
72.5°	1360.3	1410.4	1510.5	1524.1	1487.7	1797.1	5491.4	14563.3	20964.5	20950.9	13257.5
75°	1096.5	1123.8	1173.8	1201.1	1192.0	1160.1	2324.8	10864.4	14431.3	14599.7	7424.9
77.5°	864.4	859.9	905.4	941.8	969.1	909.9	1064.6	6369.4	7566.0	7352.2	2788.9
80°	636.9	636.9	700.6	714.3	755.2	764.3	709.7	2456.8	2597.8	2361.2	723.4
82.5°	418.6	418.6	486.8	495.9	536.9	596.0	514.1	737.0	718.8	682.4	327.6
85°	227.5	218.4	241.1	273.0	295.7	350.3	309.4	368.5	377.6	373.1	218.4
87.5°	45.5	40.9	63.7	72.8	81.9	109.2	100.1	150.1	209.3	204.7	95.5
90°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2	5796.2
2.5°	5832.6	5828.0	5878.1	5937.2	6005.5	6046.4	6064.6	6096.5	6073.7	6082.8	6110.1
5°	5919.0	5932.7	6005.5	6082.8	6114.7	6091.9	6041.9	6023.7	5982.7	5973.6	5964.5
7.5°	6046.4	6069.2	6142.0	6160.2	6064.6	5905.4	5791.6	5727.9	5659.7	5641.5	5632.4
10°	6255.7	6269.3	6287.5	6101.0	5864.4	5650.6	5509.6	5450.4	5404.9	5368.5	5377.6
12.5°	6519.6	6510.5	6369.4	5982.7	5646.1	5427.7	5332.1	5295.7	5263.9	5241.1	5236.6
15°	6851.7	6788.0	6383.1	5818.9	5441.3	5259.3	5191.1	5177.4	5141.0	5141.0	5136.5
17.5°	7188.4	7024.6	6374.0	5646.1	5245.7	5145.6	5104.6	5095.5	5086.5	5081.9	5095.5
20°	7525.0	7233.9	6301.2	5432.2	5109.2	5050.1	5041.0	5045.5	5036.4	5050.1	5041.0
22.5°	7820.8	7370.3	6164.7	5204.7	5013.7	5009.1	4986.4	4995.5	5027.3	5031.9	5045.5
25°	8048.2	7420.4	5964.5	4995.5	4945.4	4936.3	4963.6	5000.0	5027.3	5031.9	5054.6
27.5°	8234.8	7393.1	5714.3	4831.7	4827.1	4877.2	4959.1	4972.7	4977.3	4977.3	4959.1
30°	8375.8	7334.0	5395.8	4649.7	4672.4	4795.3	4872.6	4872.6	4836.2	4827.1	4854.4
32.5°	8407.7	7256.6	5050.1	4463.2	4499.6	4645.1	4740.7	4708.8	4667.9	4667.9	4686.1
35°	8435.0	7152.0	4772.5	4208.4	4263.0	4435.9	4526.8	4463.2	4417.7	4404.0	4399.5
37.5°	8425.9	7111.0	4522.3	3885.4	3958.2	4126.5	4185.6	4126.5	4058.2	4026.4	4067.3
40°	8435.0	7083.7	4208.4	3530.5	3603.3	3703.4	3780.7	3735.2	3671.5	3589.6	3630.6
42.5°	8489.5	7120.1	3862.6	3184.7	3184.7	3239.3	3371.3	3339.4	3184.7	3152.9	3189.3
45°	8780.7	7315.8	3516.8	2838.9	2788.9	2825.3	2961.8	2825.3	2729.8	2729.8	2761.6
47.5°	9485.9	7679.7	3212.0	2534.1	2415.8	2488.6	2525.0	2397.6	2324.8	2306.6	2338.5
50°	10923.6	8407.7	3030.0	2283.9	2138.3	2192.9	2170.2	2165.6	2092.8	2101.9	2120.1
52.5°	13107.4	9827.1	2975.4	2161.1	1979.1	1992.7	1970.0	1979.1	1965.4	2010.9	2024.6
55°	15486.8	11323.9	3043.7	2179.3	1869.9	1774.3	1783.4	1828.9	1883.5	1956.3	1970.0
57.5°	17265.7	12074.6	3221.1	2302.1	1733.4	1587.8	1610.6	1697.0	1801.6	1860.8	1892.6
60°	18589.7	11983.6	3480.4	2333.9	1569.6	1419.5	1460.4	1587.8	1678.8	1728.8	1760.7
62.5°	19021.9	11414.9	3544.1	2101.9	1355.8	1260.2	1360.3	1492.3	1533.2	1587.8	1610.6
65°	18667.0	10609.7	3080.1	1706.1	1192.0	1141.9	1287.5	1387.6	1442.2	1469.5	1474.1
66°	18248.4	10127.4	2829.8	1551.4	1132.8	1105.6	1260.2	1342.1	1396.7	1392.2	1396.7
67.5°	17329.4	9117.4	2424.9	1333.0	1046.4	1051.0	1214.7	1269.3	1287.5	1273.9	1273.9
70°	14203.8	6419.5	1737.9	1010.0	919.0	982.7	1091.9	1105.6	1146.5	1128.3	1128.3
72.5°	8758.0	3152.9	1164.7	773.4	818.9	919.0	914.5	960.0	1055.5	1082.8	1101.0
75°	4303.9	1278.4	768.9	655.1	732.5	768.9	759.8	873.5	1010.0	1128.3	1169.2
77.5°	1633.3	636.9	536.9	573.2	591.4	577.8	605.1	791.6	1010.0	1223.8	1264.8
80°	505.0	441.3	423.1	473.2	445.9	423.1	455.0	655.1	855.3	928.1	928.1
82.5°	304.8	345.8	327.6	323.0	300.3	304.8	327.6	468.6	659.7	691.5	691.5
85°	213.8	227.5	186.5	177.4	172.9	168.3	168.3	273.0	391.3	386.7	400.4
87.5°	81.9	91.0	68.2	68.2	63.7	45.5	36.4	45.5	45.5	31.8	22.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)