

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: P1211399

Luminaire Tested: **ARCH4-260-740-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-740-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38392 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - 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

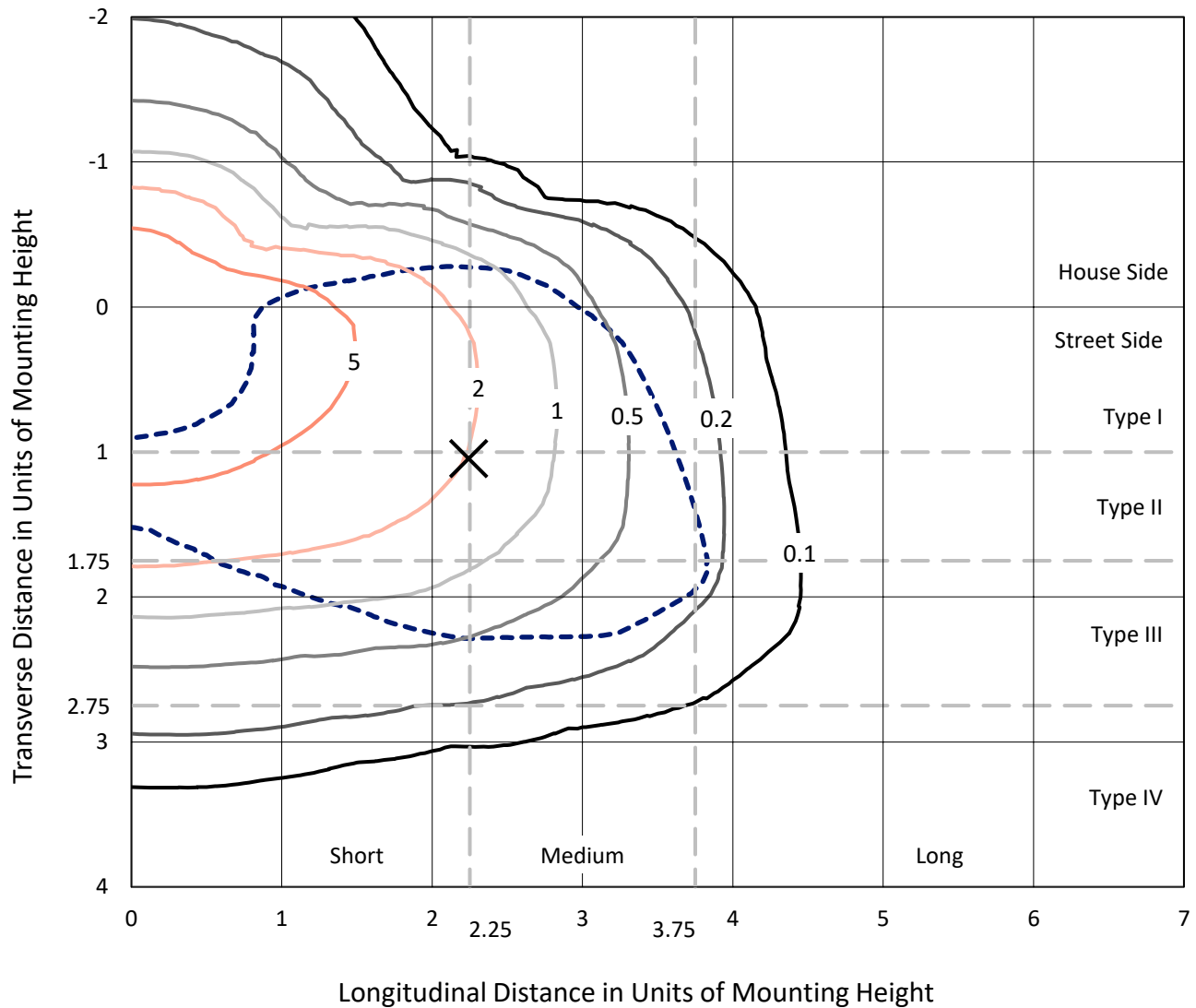


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Iso-Footcandle Lines of Horizontal Illumination

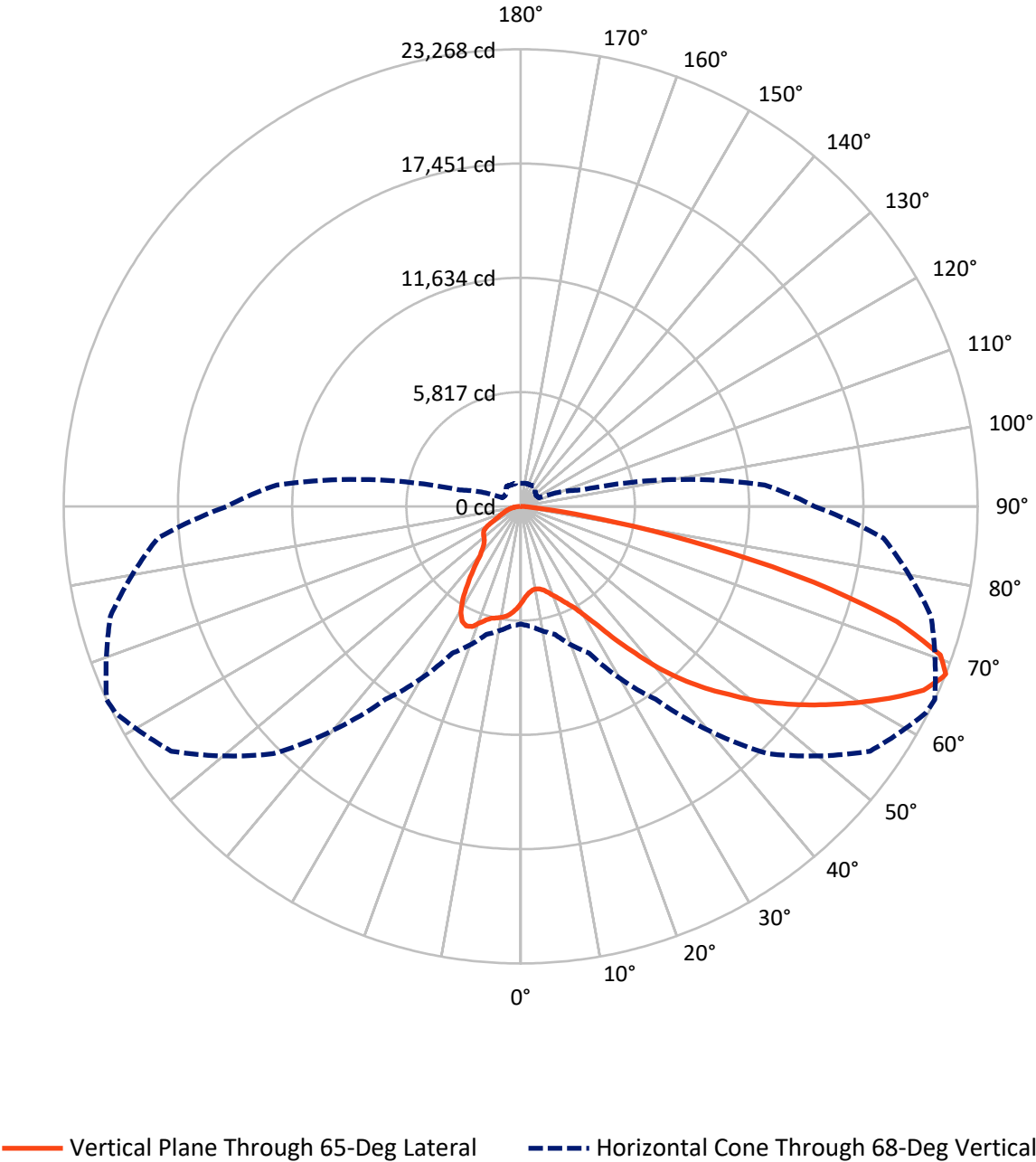
✕ Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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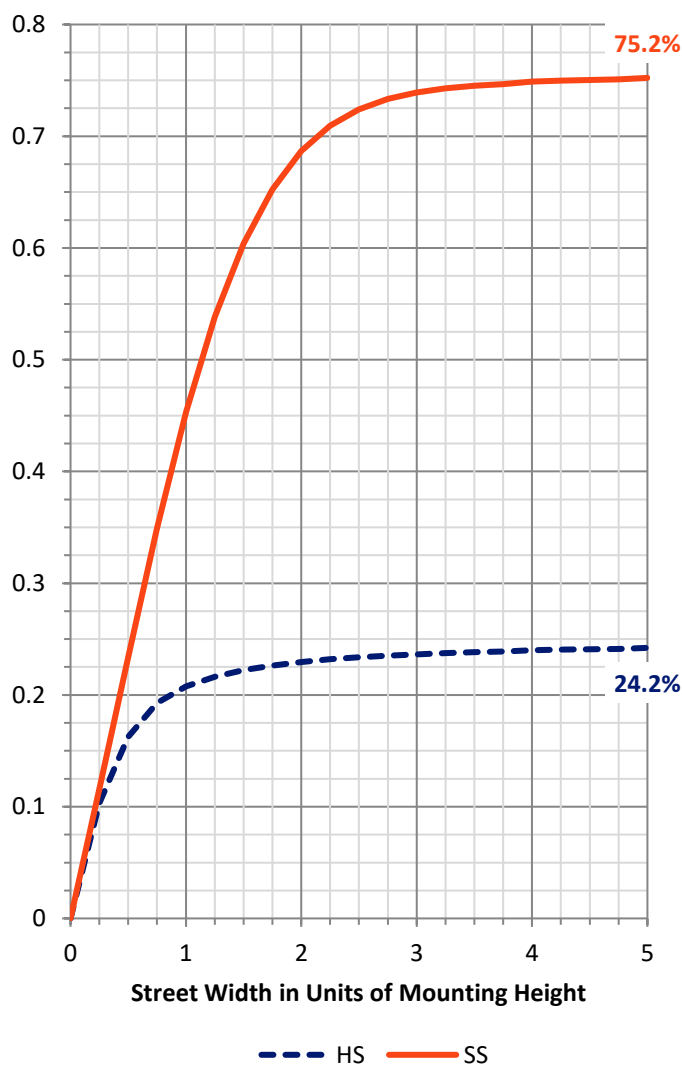
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9412.6	0.0	9412.6
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	28979.4	0.0	28979.4
	% Fixture	75.5	0.0	75.5
Total	Lumens	38392.0	0.0	38392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.9	1.2
10°-20°	1526.6	4.0
20°-30°	2763.1	7.2
30°-40°	4346.6	11.3
40°-50°	6473.8	16.9
50°-60°	8492.3	22.1
60°-70°	9286.9	24.2
70°-80°	4595.4	12.0
80°-90°	438.4	1.1
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°	38392.0	100.0
0°-180°	38392.0	100.0

Coefficient of Utilization



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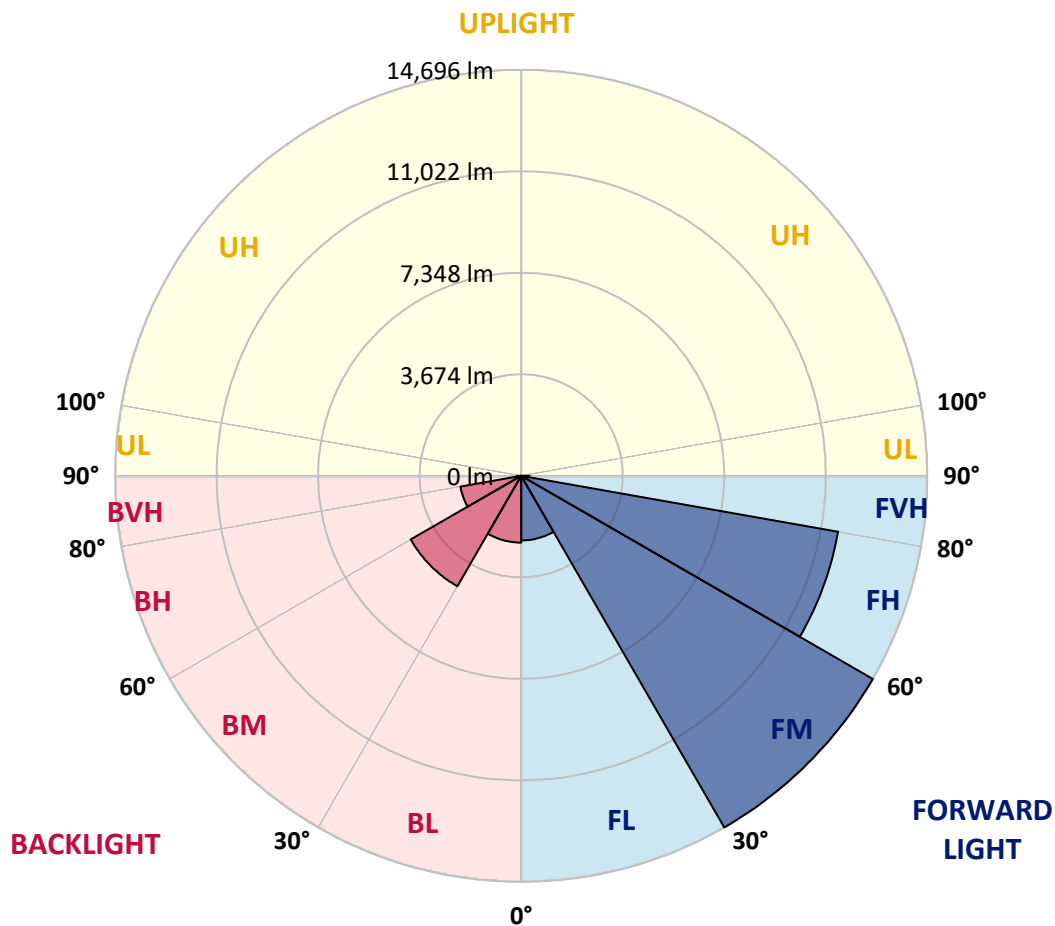
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2340.4	6.1			
FM	(30°-60°)	14695.9	38.3			
FH	(60°-80°)	11648.2	30.3			G4/12000
FVH	(80°-90°)	294.8	0.8			G3/500
BL	(0°-30°)	2418.2	6.3	B3/2500		
BM	(30°-60°)	4616.8	12.0	B3/5000		
BH	(60°-80°)	2234.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	143.5	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0
2.5°	4282.3	4272.4	4297.1	4321.9	4376.3	4440.7	4529.8	4604.0	4613.9	4752.6	4861.5
5°	4029.8	4014.9	4039.7	4069.4	4094.1	4173.3	4267.4	4376.3	4420.9	4623.8	4856.5
7.5°	4054.5	4049.6	4059.5	4049.6	4049.6	4084.2	4148.6	4257.5	4307.0	4549.6	4881.3
10°	4198.1	4208.0	4212.9	4183.2	4153.5	4138.7	4158.5	4232.8	4267.4	4554.5	4990.2
12.5°	4435.7	4450.6	4455.5	4401.1	4361.5	4297.1	4262.5	4292.2	4316.9	4604.0	5143.7
15°	4757.5	4767.4	4732.8	4698.1	4599.1	4519.9	4435.7	4411.0	4420.9	4708.0	5316.9
17.5°	5133.8	5118.9	5118.9	5034.7	4906.0	4782.3	4643.6	4623.8	4623.8	4876.3	5564.5
20°	5544.7	5559.5	5515.0	5401.1	5272.4	5079.3	4940.7	4851.6	4861.5	5069.4	5866.4
22.5°	6138.7	6163.5	6044.7	5881.3	5683.3	5460.5	5262.5	5118.9	5123.9	5321.9	6178.3
25°	6777.4	6787.3	6713.0	6495.2	6227.8	5911.0	5648.6	5465.4	5460.5	5604.1	6579.3
27.5°	7430.8	7475.4	7326.9	7118.9	6871.4	6475.4	6128.8	5881.3	5841.7	6034.8	7079.3
30°	8104.1	8158.6	8015.0	7812.0	7505.1	7168.4	6757.5	6470.4	6445.7	6703.1	7747.7
32.5°	8782.3	8797.2	8683.3	8515.0	8237.8	7920.9	7589.2	7272.4	7247.7	7668.5	8614.0
35°	9336.8	9381.4	9302.2	9262.5	9059.6	8767.5	8445.7	8262.5	8326.9	8866.5	9737.8
37.5°	10005.1	10049.7	9960.6	9950.7	9886.3	9633.8	9411.1	9425.9	9490.3	10223.0	10921.0
40°	10970.5	11020.0	10792.3	10693.3	10693.3	10445.7	10371.5	10723.0	10807.1	11559.6	12153.7
42.5°	11787.3	11866.6	11732.9	11668.5	11475.5	11302.2	11391.3	11886.4	12029.9	12836.9	13228.0
45°	12183.4	12242.8	12401.2	12589.3	12401.2	12099.2	12435.9	12995.3	13198.3	14015.1	14302.2
47.5°	12396.3	12450.7	12633.9	13138.9	13267.6	13015.1	13490.3	14188.4	14327.0	15183.4	15327.0
50°	12426.0	12599.2	12836.9	13341.8	13930.9	13965.6	14549.8	15401.3	15564.6	16332.0	16228.0
52.5°	12183.4	12252.7	12742.8	13594.3	14247.8	14841.9	15703.3	16564.7	16683.5	17411.2	17025.1
55°	11787.3	11886.4	12376.5	13534.9	14554.7	15673.6	16876.5	17708.2	17841.9	18460.7	17762.7
57.5°	11430.9	11480.4	12005.2	13361.6	14861.7	16505.3	17921.1	18901.3	18990.4	19381.5	18307.3
60°	11034.9	11089.3	11614.1	12990.3	15089.4	17134.0	19010.3	20104.3	20183.5	20351.9	18940.9
62.5°	10010.1	10153.7	10812.1	12376.5	15030.0	17851.8	20173.6	21292.5	21391.5	21208.3	19441.0
65°	8128.9	8331.8	9138.8	10985.4	14475.5	18317.2	21124.2	22386.6	22554.9	21851.9	19574.6
67.5°	6312.0	6455.6	7104.1	8718.0	12529.9	18084.5	21738.0	23139.0	23188.5	21747.9	18832.0
68°	5985.3	6128.8	6747.6	8242.7	11990.3	17807.3	21723.2	23158.8	23267.8	21634.1	18544.9
70°	4579.3	4742.7	5331.8	6529.8	9663.5	16044.8	20817.2	22683.6	22668.7	20257.8	16762.7
72.5°	2861.4	2955.5	3361.4	4118.9	6391.2	12208.1	17668.6	20005.3	20044.9	16515.2	12856.7
75°	1816.9	1816.9	1797.1	1995.1	3277.3	6955.6	13133.9	15401.3	15431.0	11564.6	8104.1
77.5°	1579.2	1534.7	1321.8	1118.8	1307.0	2703.0	7772.4	9945.7	9782.4	6227.8	3846.6
80°	1331.7	1257.4	1084.2	901.0	841.6	846.6	2985.2	5049.6	4831.8	2242.6	1277.3
82.5°	960.4	896.1	816.8	707.9	648.5	505.0	623.8	1460.4	1425.8	648.5	415.8
85°	519.8	470.3	460.4	465.4	391.1	311.9	262.4	321.8	321.8	282.2	237.6
87.5°	183.2	133.7	158.4	178.2	153.5	128.7	104.0	123.8	128.7	123.8	113.9
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°	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0	4906.0
2.5°	4925.8	4975.3	5094.2	5198.1	5272.4	5336.7	5371.4	5386.2	5420.9	5425.8	5415.9
5°	4965.4	5094.2	5272.4	5425.8	5510.0	5544.7	5554.6	5559.5	5544.7	5554.6	5544.7
7.5°	5069.4	5232.8	5485.2	5618.9	5633.8	5579.3	5584.3	5564.5	5584.3	5604.1	5604.1
10°	5227.8	5435.7	5673.4	5722.9	5658.5	5628.8	5688.2	5807.0	5846.6	5901.1	5901.1
12.5°	5435.7	5683.3	5851.6	5807.0	5747.6	5846.6	6019.9	6138.7	6178.3	6198.1	6183.3
15°	5673.4	5940.7	6024.9	5876.3	5985.3	6198.1	6257.5	6188.2	6089.2	6044.7	6069.4
17.5°	5975.4	6198.1	6148.6	6049.6	6297.1	6326.8	6133.8	5911.0	5752.6	5693.2	5732.8
20°	6292.2	6485.3	6257.5	6302.1	6455.6	6138.7	5772.4	5485.2	5346.6	5321.9	5361.5
22.5°	6628.8	6752.6	6366.5	6594.2	6366.5	5722.9	5282.3	5133.8	5099.1	5138.7	5173.4
25°	7010.0	6995.2	6554.6	6683.3	6034.8	5213.0	4950.6	4940.7	4940.7	4965.4	5014.9
27.5°	7440.7	7208.1	6742.7	6564.5	5460.5	4792.2	4742.7	4747.6	4732.8	4737.7	4762.5
30°	7940.7	7495.2	6950.6	6173.4	4816.9	4475.3	4455.5	4440.7	4406.0	4396.1	4406.0
32.5°	8569.5	7797.2	7163.5	5529.8	4252.6	4148.6	4138.7	4059.5	3975.3	3965.4	4000.1
35°	9366.5	8346.7	7272.4	4722.9	3787.2	3782.2	3747.6	3623.8	3514.9	3514.9	3490.2
37.5°	10277.4	9054.6	7317.0	3935.7	3401.1	3425.8	3326.8	3168.4	3084.2	3034.7	3049.6
40°	11208.1	9861.6	7312.0	3247.6	3064.4	3069.4	2995.1	2802.0	2594.1	2470.3	2500.0
42.5°	12104.2	10594.3	7183.3	2881.2	2792.1	2777.3	2717.9	2455.5	2282.2	2183.2	2188.2
45°	12822.0	11351.7	6985.3	2663.4	2544.6	2569.4	2435.7	2277.3	2118.9	2029.7	2024.8
47.5°	13539.9	11926.0	6668.4	2529.7	2361.4	2316.9	2262.4	2153.5	2034.7	1935.7	1940.6
50°	14193.3	12416.1	6371.4	2440.6	2193.1	2079.2	2089.1	2024.8	1920.8	1831.7	1826.8
52.5°	14653.7	12737.9	6208.0	2391.1	1990.1	1866.4	1901.0	1866.4	1767.4	1703.0	1698.1
55°	15114.1	12985.4	6262.5	2326.8	1767.4	1668.3	1727.8	1717.9	1663.4	1643.6	1648.5
57.5°	15485.4	13173.5	6455.6	2208.0	1554.5	1495.1	1594.1	1564.4	1524.8	1529.7	1529.7
60°	15846.8	13416.1	6683.3	1935.7	1371.3	1376.3	1470.3	1415.9	1391.1	1435.7	1440.6
62.5°	16223.1	13678.5	6495.2	1539.6	1212.9	1247.5	1356.5	1311.9	1321.8	1386.2	1406.0
65°	16178.5	13653.7	5292.2	1262.4	1074.3	1143.6	1307.0	1292.1	1297.1	1321.8	1331.7
67.5°	15267.6	12782.4	3638.7	1074.3	975.3	1059.4	1267.4	1207.9	1212.9	1198.0	1203.0
68°	14960.7	12475.5	3208.0	1044.6	955.5	1039.6	1247.5	1193.1	1198.0	1183.2	1178.2
70°	13287.4	10683.4	2029.7	920.8	886.2	985.2	1148.5	1128.7	1123.8	1113.9	1113.9
72.5°	10128.9	7886.3	1069.3	797.0	806.9	901.0	1024.8	1064.4	1039.6	1044.6	1074.3
75°	6708.0	4742.7	742.6	683.2	707.9	772.3	910.9	990.1	965.4	980.2	965.4
77.5°	3549.6	2554.5	594.1	579.2	579.2	623.8	752.5	876.3	876.3	866.4	851.5
80°	1163.4	901.0	475.3	455.5	465.4	490.1	604.0	717.8	732.7	712.9	703.0
82.5°	391.1	415.8	356.4	331.7	341.6	361.4	455.5	549.5	554.5	514.9	505.0
85°	242.6	277.2	222.8	217.8	217.8	222.8	277.2	302.0	277.2	247.5	257.4
87.5°	113.9	138.6	104.0	89.1	74.3	64.4	49.5	19.8	19.8	9.9	9.9
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)