

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: P1210038

Luminaire Tested: **ARCH1-60-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-60-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

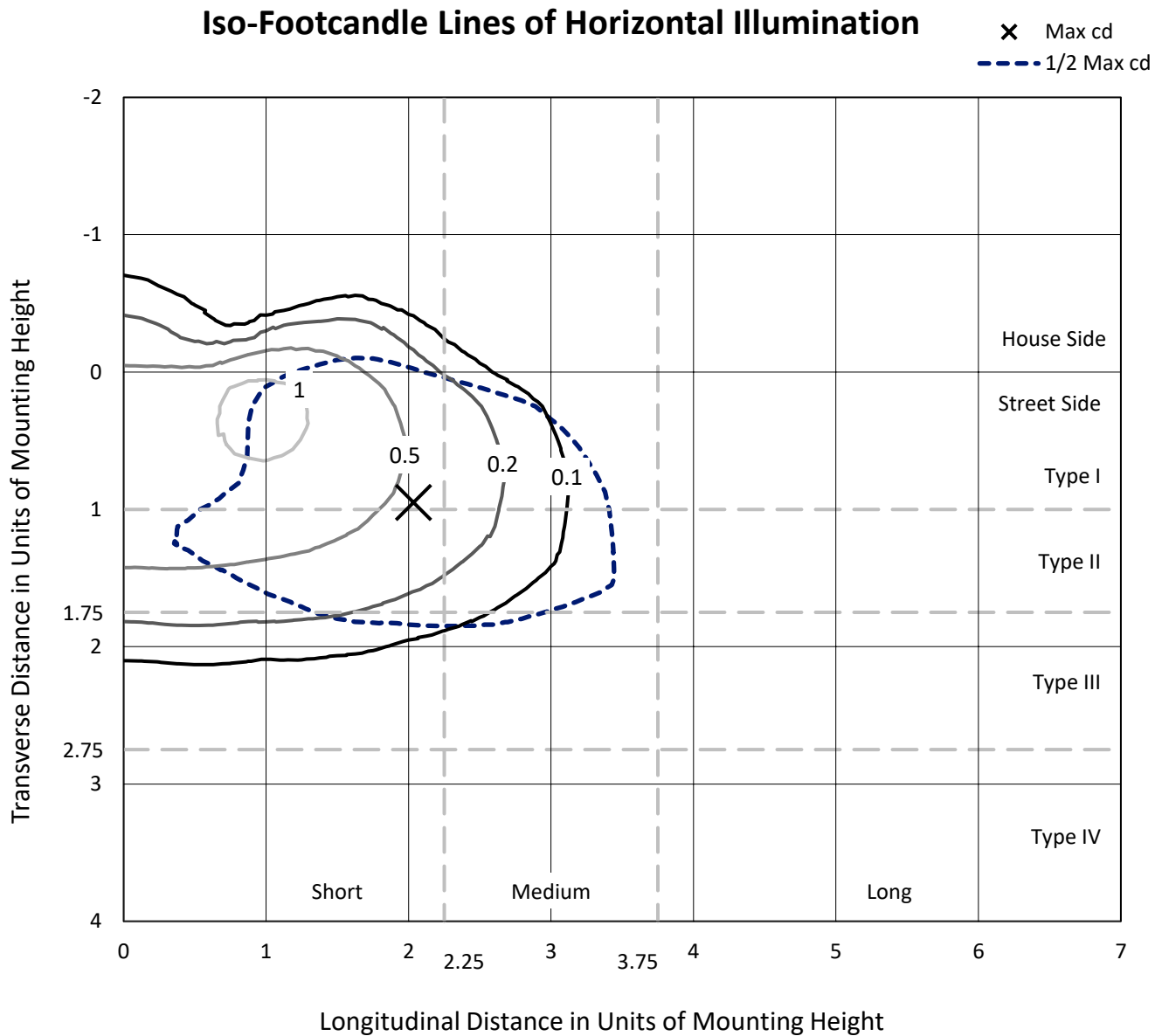
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4450 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 60
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



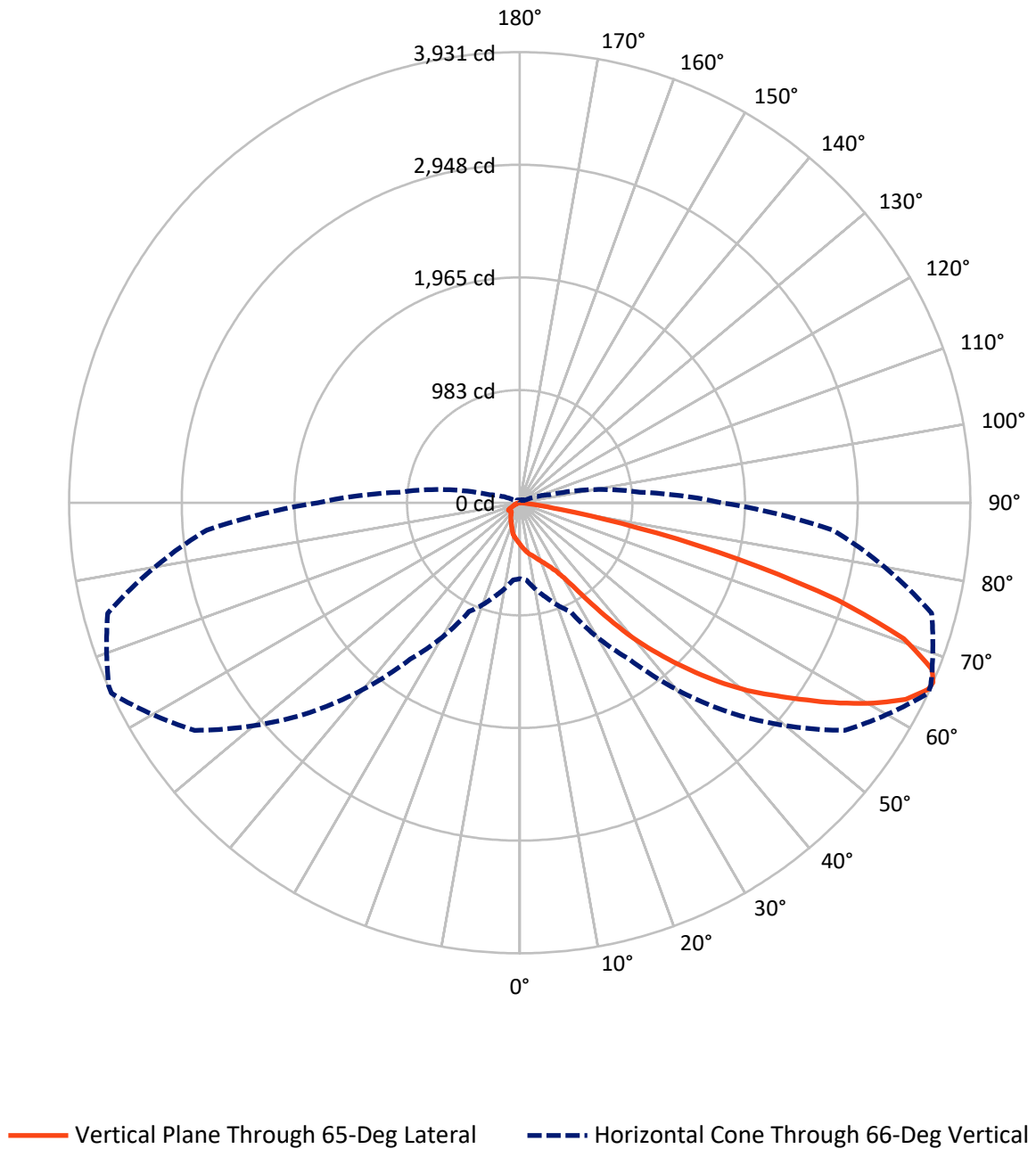
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Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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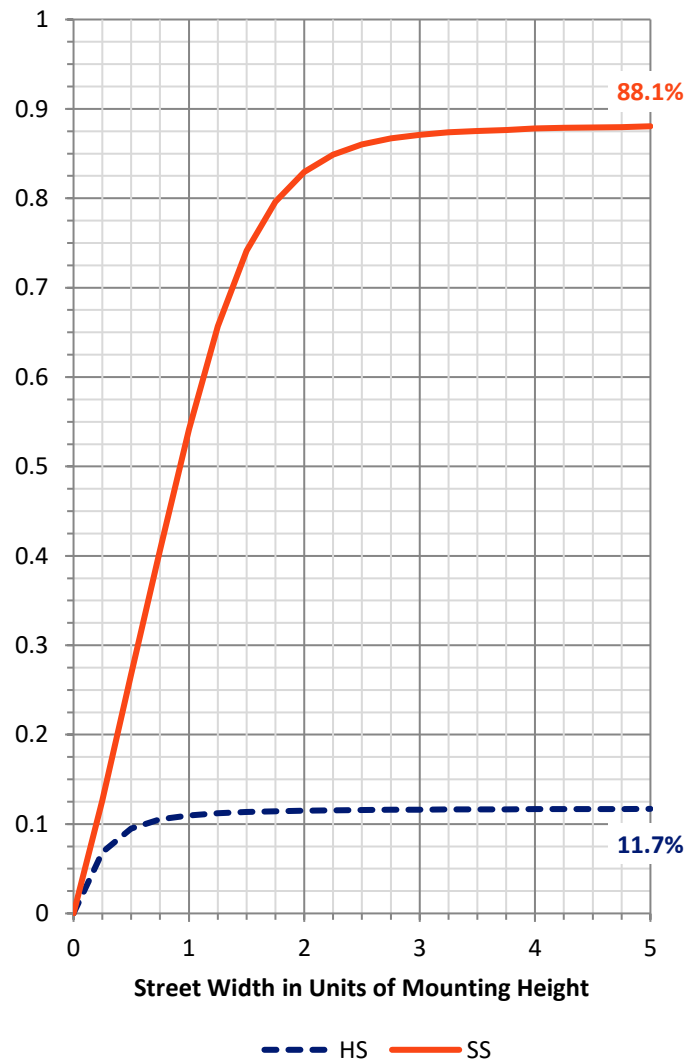
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	525.2	0.0	525.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3924.8	0.0	3924.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	4450.0	0.0	4450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	0.8
10°-20°	101.7	2.3
20°-30°	186.2	4.2
30°-40°	378.4	8.5
40°-50°	799.1	18.0
50°-60°	1228.5	27.6
60°-70°	1236.6	27.8
70°-80°	462.0	10.4
80°-90°	23.1	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°	4450.0	100.0
0°-180°	4450.0	100.0

Coefficient of Utilization



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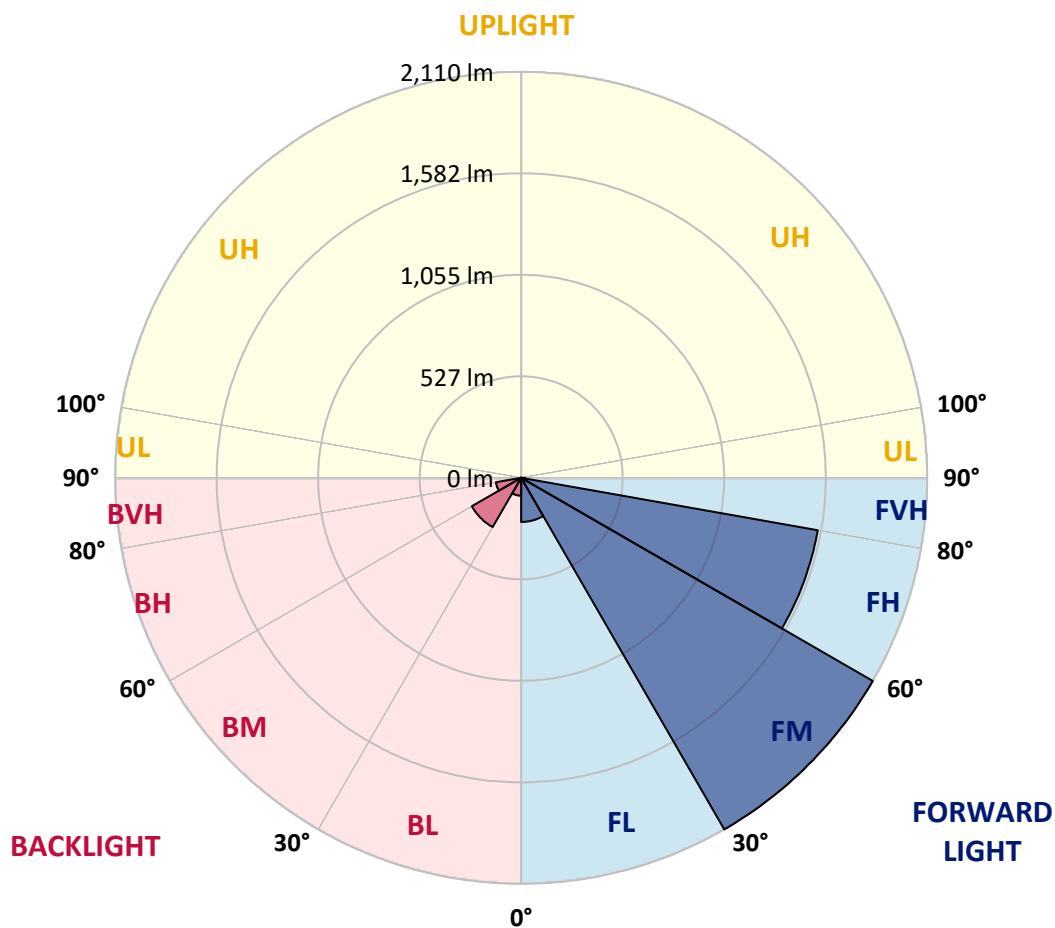
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.4	5.2			
FM	(30°-60°)	2109.9	47.4			
FH	(60°-80°)	1565.2	35.2			G1/1800
FVH	(80°-90°)	20.4	0.5			G1/100
BL	(0°-30°)	93.0	2.1	B0/110		
BM	(30°-60°)	296.1	6.7	B1/1000		
BH	(60°-80°)	133.4	3.0	B1/500		G1/500
BVH	(80°-90°)	2.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5
2.5°	413.4	414.2	412.6	409.4	406.2	402.1	395.7	385.2	383.5	376.3	368.2
5°	441.7	443.3	440.9	440.1	438.5	432.8	423.9	408.6	407.0	392.4	373.9
7.5°	451.4	453.8	452.2	452.2	452.2	449.8	445.7	432.0	429.6	411.0	382.7
10°	458.6	460.3	459.4	462.7	465.1	463.5	461.1	453.0	450.6	432.0	394.8
12.5°	469.9	470.7	471.6	473.2	477.2	478.8	478.0	470.7	469.1	456.2	410.2
15°	480.4	480.4	481.2	488.5	494.2	497.4	498.2	492.6	490.9	480.4	429.6
17.5°	490.1	490.9	493.4	501.4	511.1	517.6	521.6	519.2	516.8	508.7	452.2
20°	504.7	506.3	508.7	520.0	529.7	540.2	548.3	547.5	546.7	541.0	478.8
22.5°	529.7	531.3	535.3	545.8	555.5	568.5	582.2	581.4	578.9	574.9	510.3
25°	567.6	567.6	570.1	578.9	591.1	606.4	619.3	621.7	619.3	616.9	549.9
27.5°	615.3	616.1	616.1	625.8	637.1	656.5	672.6	675.0	675.0	672.6	603.2
30°	681.5	679.1	677.5	685.5	697.6	725.9	754.2	759.0	756.6	760.6	678.3
32.5°	795.3	791.3	777.6	779.2	786.5	825.2	872.9	889.8	889.0	896.3	799.4
35°	952.8	944.7	924.5	907.6	906.8	948.8	1021.4	1085.2	1084.4	1109.5	983.5
37.5°	1130.4	1140.9	1103.0	1073.9	1065.0	1098.1	1191.8	1329.9	1337.2	1380.8	1224.9
40°	1367.8	1374.3	1325.9	1284.7	1242.7	1254.8	1378.3	1593.1	1606.0	1654.5	1466.3
42.5°	1574.5	1581.0	1552.7	1502.7	1449.4	1426.8	1566.5	1832.1	1842.6	1909.6	1715.0
45°	1715.0	1719.9	1729.6	1734.4	1673.9	1627.0	1796.6	2077.6	2090.5	2168.0	1958.1
47.5°	1824.9	1828.9	1848.3	1896.7	1884.6	1847.5	2030.8	2332.8	2336.0	2422.4	2194.7
50°	1875.7	1885.4	1933.1	2007.3	2060.6	2071.1	2285.1	2574.2	2583.1	2665.4	2418.3
52.5°	1819.2	1822.4	1942.8	2082.4	2189.8	2296.4	2540.3	2797.9	2823.7	2885.1	2619.4
55°	1628.6	1652.1	1834.6	2080.0	2291.6	2510.4	2813.2	3039.3	3062.7	3101.5	2796.2
57.5°	1407.4	1433.2	1655.3	1975.9	2335.2	2708.2	3065.9	3296.1	3312.2	3322.7	2958.5
60°	1216.0	1240.3	1468.8	1776.4	2291.6	2847.9	3300.9	3551.2	3564.9	3536.7	3040.1
62.5°	981.1	1005.3	1235.4	1512.4	2120.4	2876.2	3475.3	3778.1	3783.8	3707.1	2990.0
65°	739.6	755.8	948.0	1185.4	1820.8	2726.0	3514.9	3919.4	3913.8	3756.3	2839.8
66°	662.9	676.7	846.2	1048.1	1665.0	2588.7	3461.6	3930.7	3925.1	3720.0	2741.3
67.5°	571.7	575.7	715.4	857.5	1392.9	2297.2	3299.3	3879.0	3883.9	3619.8	2561.3
70°	446.5	445.7	526.5	596.7	951.2	1634.3	2751.8	3553.6	3577.1	3242.0	2184.2
72.5°	285.8	276.2	323.0	365.0	553.9	948.8	2006.5	2896.4	2935.9	2546.7	1627.0
75°	170.4	160.7	172.0	182.5	265.7	456.2	1179.7	1971.0	2009.0	1632.7	968.1
77.5°	127.6	123.5	124.3	115.5	117.9	171.2	538.6	1041.6	1069.1	668.6	367.4
80°	97.7	87.2	81.6	85.6	77.5	67.8	200.3	358.5	375.5	158.3	76.7
82.5°	65.4	56.5	52.5	57.3	49.3	38.0	48.4	69.4	67.8	42.8	29.9
85°	33.9	29.1	29.1	29.1	25.0	18.6	21.0	28.3	28.3	22.6	17.8
87.5°	9.7	8.9	10.5	9.7	7.3	7.3	8.1	9.7	9.7	8.9	8.1
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°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5
2.5°	361.7	358.5	349.6	343.2	336.7	331.1	324.6	323.0	319.8	320.6	318.9
5°	364.2	355.3	339.9	325.4	314.1	304.4	292.3	287.5	281.0	278.6	277.0
7.5°	367.4	354.5	331.9	311.7	292.3	272.9	253.5	242.2	235.0	231.7	229.3
10°	374.7	357.7	327.8	296.3	263.2	235.8	216.4	208.3	203.5	202.7	201.9
12.5°	384.4	362.5	323.8	277.0	233.4	207.5	195.4	193.0	192.2	192.2	191.4
15°	398.9	370.6	317.3	254.4	209.9	192.2	186.5	182.5	180.9	180.9	180.9
17.5°	413.4	380.3	307.6	230.9	193.8	182.5	176.8	174.4	172.8	173.6	172.8
20°	432.0	391.6	294.7	210.7	183.3	174.4	168.8	166.3	165.5	165.5	165.5
22.5°	453.0	404.5	278.6	195.4	174.4	166.3	160.7	158.3	156.6	157.5	157.5
25°	481.2	420.7	261.6	180.1	165.5	158.3	151.8	148.6	148.6	149.4	150.2
27.5°	517.6	440.1	244.7	170.4	157.5	150.2	142.9	139.7	140.5	142.1	142.1
30°	570.9	466.7	227.7	159.9	148.6	140.5	134.0	130.8	132.4	135.7	135.7
32.5°	646.8	510.3	213.2	147.8	135.7	126.8	120.3	117.9	121.9	128.4	128.4
35°	782.4	590.3	204.3	135.7	121.9	111.4	103.4	100.9	106.6	114.7	114.7
37.5°	964.1	718.6	207.5	125.2	110.6	98.5	89.6	86.4	90.4	97.7	100.1
40°	1166.8	873.7	235.8	116.3	100.1	88.0	79.1	75.9	78.3	81.6	82.4
42.5°	1369.5	1038.4	289.1	109.8	92.1	79.1	71.1	68.6	70.2	71.1	71.9
45°	1571.3	1201.5	356.1	105.8	84.8	71.9	63.8	63.8	64.6	64.6	64.6
47.5°	1762.7	1360.6	426.3	105.0	78.3	64.6	58.1	58.9	58.9	59.8	59.8
50°	1943.6	1502.7	497.4	107.4	72.7	58.1	53.3	53.3	53.3	54.1	53.3
52.5°	2094.6	1627.0	571.7	111.4	67.0	53.3	48.4	48.4	48.4	49.3	48.4
55°	2237.5	1740.1	647.6	117.1	62.2	49.3	44.4	42.8	42.8	43.6	42.8
57.5°	2353.7	1815.2	719.4	117.9	58.1	45.2	41.2	38.8	38.8	38.8	38.8
60°	2358.6	1771.6	740.4	103.4	53.3	41.2	37.1	33.9	34.7	34.7	34.7
62.5°	2204.4	1542.2	595.1	77.5	47.6	37.1	33.9	30.7	30.7	30.7	30.7
65°	1901.6	1199.9	348.8	61.4	41.2	33.1	29.9	27.5	27.5	27.5	26.6
66°	1759.5	1052.1	267.3	55.7	38.8	32.3	29.1	26.6	25.8	25.0	25.0
67.5°	1527.7	831.7	167.1	49.3	35.5	29.9	26.6	24.2	23.4	22.6	22.6
70°	1150.6	528.1	81.6	38.0	30.7	25.8	23.4	21.0	20.2	19.4	18.6
72.5°	807.5	309.3	42.8	29.1	25.0	22.6	20.2	17.8	17.0	16.1	16.1
75°	456.2	149.4	28.3	21.0	20.2	18.6	17.0	14.5	13.7	13.7	13.7
77.5°	172.8	51.7	19.4	15.3	16.1	14.5	12.1	12.1	11.3	12.1	11.3
80°	45.2	22.6	12.1	11.3	12.1	10.5	8.9	9.7	9.7	9.7	9.7
82.5°	24.2	12.9	7.3	8.1	7.3	7.3	5.7	6.5	7.3	6.5	7.3
85°	17.0	6.5	4.0	4.0	3.2	3.2	2.4	3.2	4.0	3.2	3.2
87.5°	8.9	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.8	0.8	0.8
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)