

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: P799561

Luminaire Tested: **ARCH2-30-750-U-T4W**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2310-189-19)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-750-U-T4W
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

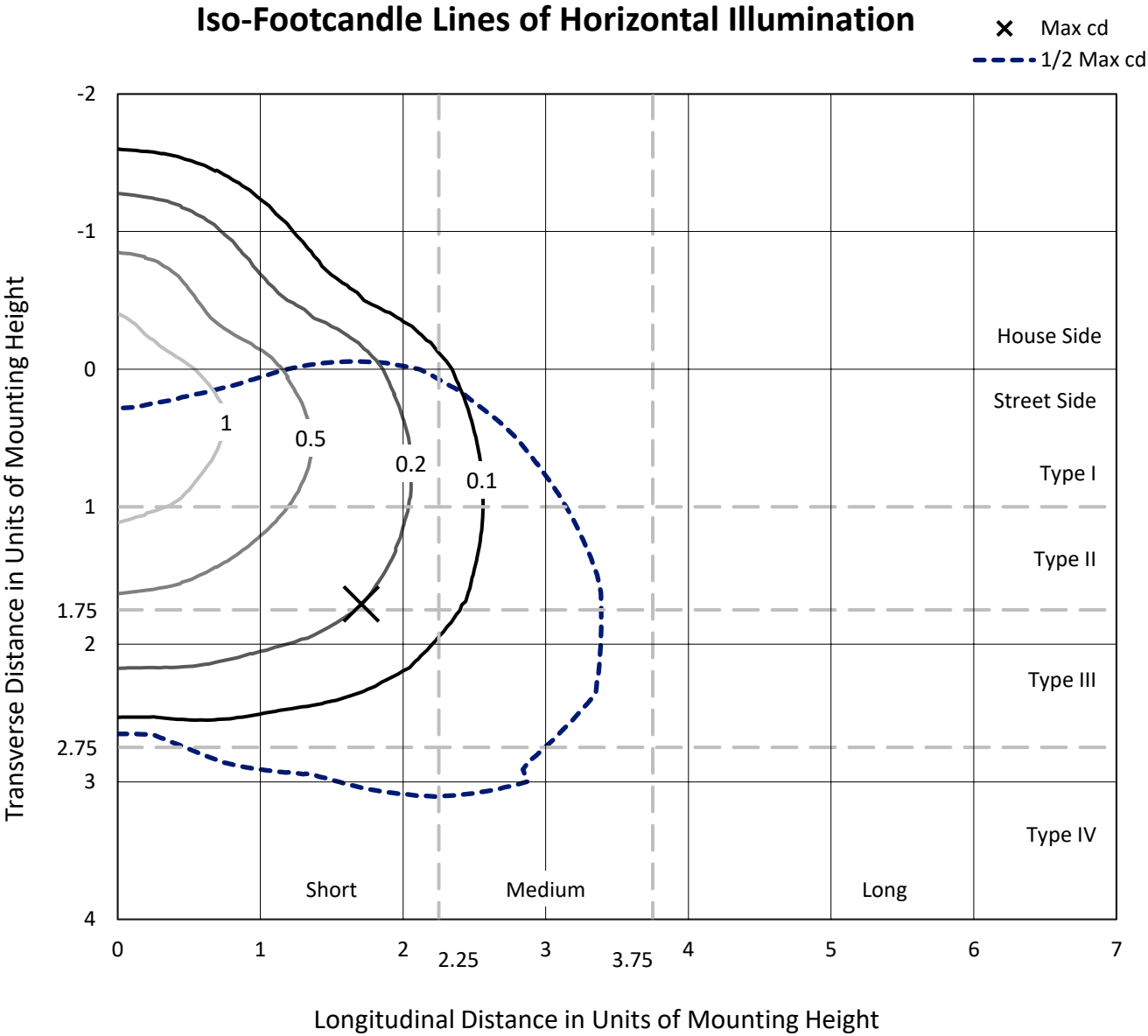
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5168 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 34.4
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

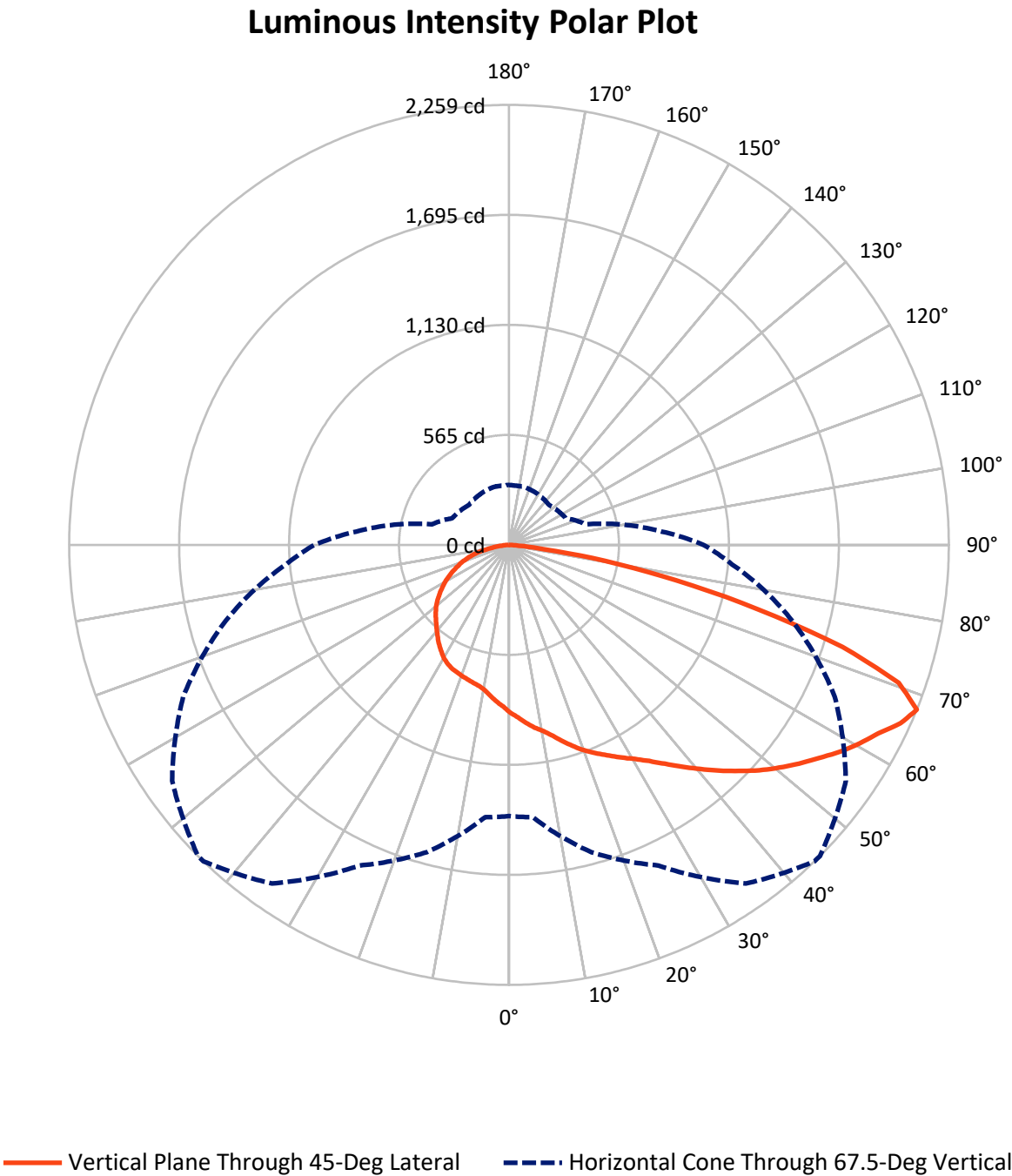


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Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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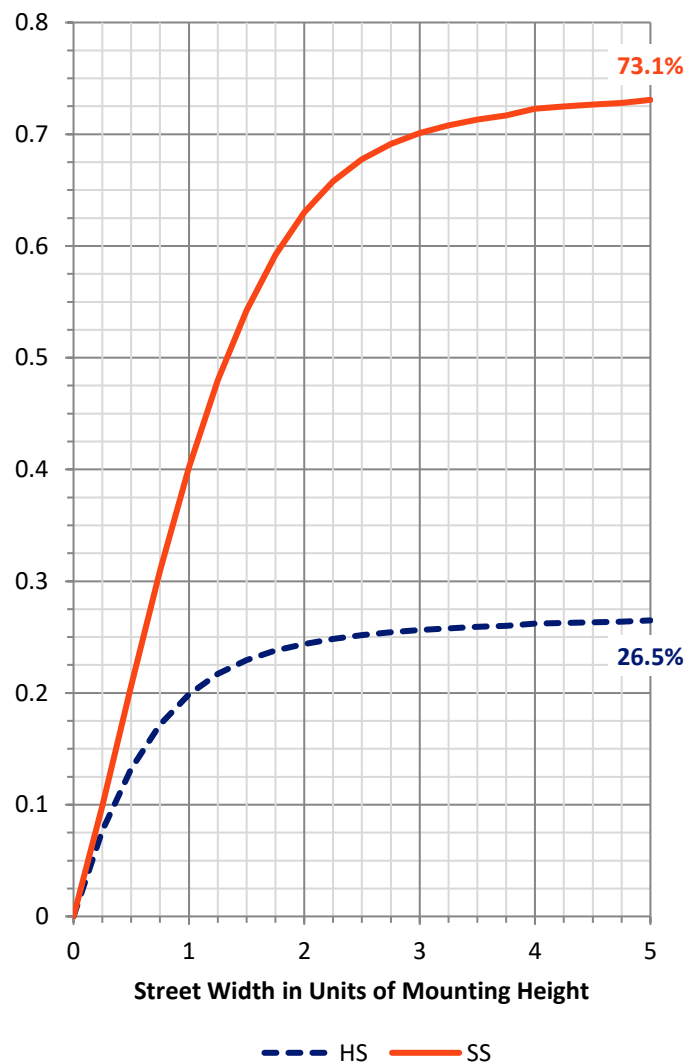
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1380.6	0.0	1380.6
	% Fixture	26.7	0.0	26.7
Street Side	Lumens	3787.4	0.0	3787.4
	% Fixture	73.3	0.0	73.3
Total	Lumens	5168.0	0.0	5168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.6
10°-20°	254.9	4.9
20°-30°	440.0	8.5
30°-40°	648.9	12.6
40°-50°	879.1	17.0
50°-60°	1074.5	20.8
60°-70°	1108.2	21.4
70°-80°	607.0	11.7
80°-90°	72.8	1.4
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°	5168.0	100.0
0°-180°	5168.0	100.0

Coefficient of Utilization



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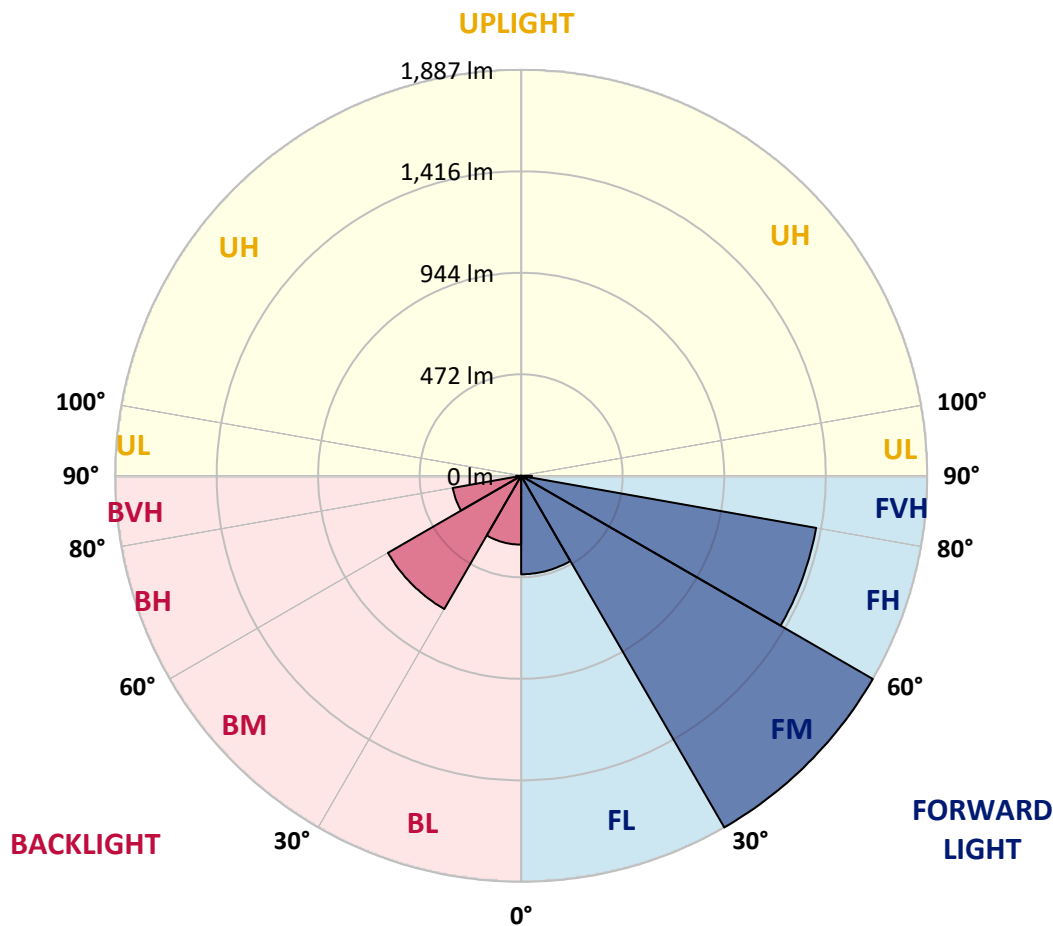
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.5	8.9			
FM	(30°-60°)	1887.4	36.5			
FH	(60°-80°)	1392.3	26.9			G1/1800
FVH	(80°-90°)	50.1	1.0			G1/100
BL	(0°-30°)	320.0	6.2	B1/500		
BM	(30°-60°)	715.2	13.8	B1/1000		
BH	(60°-80°)	322.9	6.2	B1/500		G1/500
BVH	(80°-90°)	22.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9
2.5°	899.7	898.9	900.5	895.0	887.9	887.1	887.1	882.4	876.9	865.9	857.2
5°	942.1	940.6	941.4	933.5	924.1	919.3	918.5	908.3	895.7	878.4	862.7
7.5°	981.5	979.9	979.1	970.5	956.3	948.4	947.6	932.7	917.8	891.0	868.2
10°	1018.4	1016.9	1015.3	1003.5	986.2	974.4	972.8	953.9	935.1	902.0	872.9
12.5°	1065.6	1062.5	1060.9	1046.7	1021.6	1009.0	1006.6	981.5	957.9	917.8	882.4
15°	1115.2	1112.8	1110.4	1097.1	1068.8	1052.2	1048.3	1016.9	984.6	938.2	896.5
17.5°	1152.1	1149.8	1149.8	1138.0	1112.0	1093.1	1090.0	1052.2	1012.1	957.1	907.5
20°	1174.9	1172.6	1174.9	1167.8	1148.2	1132.5	1129.3	1087.6	1039.7	974.4	917.0
22.5°	1191.4	1189.1	1193.0	1189.9	1175.7	1166.3	1163.9	1123.0	1068.0	992.5	926.4
25°	1220.5	1220.5	1220.5	1215.0	1201.7	1198.5	1198.5	1163.1	1104.1	1016.1	940.6
27.5°	1278.7	1275.6	1271.7	1255.9	1233.1	1232.3	1237.1	1204.0	1145.8	1046.7	957.9
30°	1364.5	1362.9	1347.9	1314.9	1276.4	1272.4	1275.6	1248.1	1190.7	1079.0	977.5
32.5°	1475.3	1469.8	1439.2	1389.6	1334.6	1316.5	1322.8	1293.7	1237.8	1112.0	996.4
35°	1554.0	1555.6	1533.5	1488.7	1423.4	1375.5	1380.2	1344.8	1289.0	1149.0	1020.0
37.5°	1644.4	1649.9	1616.9	1583.1	1522.5	1440.7	1445.5	1397.5	1340.1	1195.4	1045.2
40°	1769.5	1758.5	1702.6	1662.5	1595.7	1509.2	1513.1	1456.5	1399.1	1239.4	1074.3
42.5°	1874.1	1854.4	1786.8	1735.6	1655.4	1581.5	1585.4	1520.2	1458.8	1288.2	1106.5
45°	2024.3	1970.0	1872.5	1847.3	1716.8	1652.3	1656.2	1587.8	1521.7	1340.1	1141.1
47.5°	2111.6	2025.1	1962.9	1949.6	1784.4	1725.4	1730.1	1659.4	1589.4	1399.1	1177.3
50°	2106.1	2050.2	2032.1	1999.1	1844.2	1793.8	1798.6	1733.3	1657.8	1457.2	1211.9
52.5°	2069.9	2080.1	2070.7	2015.6	1903.9	1859.9	1865.4	1806.4	1727.8	1511.5	1244.1
55°	2125.7	2132.8	2114.7	2042.4	1970.0	1926.0	1932.3	1883.5	1797.0	1559.5	1271.7
57.5°	2192.6	2167.4	2149.3	2089.5	2038.4	1997.5	2004.6	1962.1	1856.8	1598.0	1292.9
60°	2189.4	2136.7	2154.8	2092.7	2084.8	2063.6	2069.9	2026.6	1902.4	1626.3	1301.5
62.5°	2028.2	1999.9	2091.1	2069.9	2122.6	2122.6	2130.4	2065.9	1929.9	1638.1	1296.8
65°	1748.2	1749.8	1910.2	1998.3	2167.4	2203.6	2209.9	2090.3	1914.2	1603.5	1252.8
67.5°	1392.8	1403.0	1633.4	1816.6	2122.6	2258.6	2259.4	2112.3	1846.5	1506.0	1150.5
70°	1019.2	1027.1	1299.2	1521.7	1911.0	2136.7	2124.1	2050.2	1699.5	1336.1	990.9
72.5°	688.9	696.0	976.0	1168.6	1568.1	1819.8	1792.3	1811.9	1448.6	1097.9	796.7
75°	463.2	471.9	694.4	836.0	1153.7	1381.8	1320.4	1372.3	1120.7	831.3	581.2
77.5°	291.8	297.3	441.2	548.1	788.0	940.6	879.2	880.0	645.7	447.5	312.2
80°	185.6	187.2	267.4	316.1	456.1	565.4	500.2	406.6	291.0	237.5	186.4
82.5°	107.7	105.4	159.6	178.5	217.1	214.7	177.7	168.3	127.4	118.8	95.2
85°	43.3	40.1	70.0	65.3	66.1	70.0	51.9	51.9	41.7	32.2	23.6
87.5°	8.7	8.7	9.4	8.7	8.7	9.4	7.1	7.1	6.3	6.3	6.3
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°	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9	861.9
2.5°	855.6	854.1	850.1	839.9	834.4	831.3	826.5	825.0	824.2	825.0	827.3
5°	858.0	852.5	841.5	825.0	814.0	806.9	799.0	795.9	793.5	793.5	795.9
7.5°	859.6	850.9	832.0	807.7	791.9	780.9	771.5	767.6	766.8	769.1	769.9
10°	860.4	847.8	821.0	790.4	769.9	755.8	746.3	744.0	746.3	751.0	751.8
12.5°	865.9	848.6	814.7	778.6	754.2	740.0	733.0	733.0	739.2	747.9	748.7
15°	875.3	854.1	811.6	769.1	744.0	731.4	729.0	733.0	742.4	755.8	757.3
17.5°	882.4	857.2	804.5	756.5	730.6	722.7	726.7	736.1	749.5	767.6	769.1
20°	887.1	857.2	794.3	741.6	717.2	715.6	726.7	741.6	755.8	777.0	779.3
22.5°	891.8	855.6	782.5	723.5	702.3	707.0	727.4	746.3	760.5	783.3	787.2
25°	900.5	858.0	770.7	705.4	686.6	699.9	726.7	749.5	764.4	788.0	794.3
27.5°	912.3	863.5	762.0	688.9	670.8	688.9	721.2	748.7	764.4	787.2	794.3
30°	924.8	869.8	751.8	670.8	652.7	673.2	709.4	740.0	758.1	779.3	788.0
32.5°	938.2	876.9	743.2	651.2	630.7	651.9	692.1	726.7	746.3	766.0	775.4
35°	956.3	889.4	738.5	635.4	611.1	629.9	670.0	709.4	730.6	748.7	759.7
37.5°	978.3	905.2	736.1	619.7	589.8	605.5	646.4	688.1	710.9	725.9	736.1
40°	1003.5	924.8	735.3	604.8	568.6	580.4	622.1	663.7	685.8	697.6	706.2
42.5°	1031.8	946.9	733.7	589.8	547.4	556.8	598.5	639.4	658.2	668.5	676.3
45°	1061.7	968.9	730.6	571.7	524.5	535.6	574.1	610.3	629.9	638.6	647.2
47.5°	1091.6	990.9	724.3	551.3	504.1	514.3	548.1	579.6	595.3	603.2	611.8
50°	1120.7	1010.6	709.4	527.7	482.9	492.3	518.3	539.5	551.3	557.6	566.2
52.5°	1146.6	1023.9	688.1	500.2	461.6	466.4	483.7	501.7	511.2	512.0	519.8
55°	1168.6	1031.0	657.5	471.9	438.8	439.6	449.1	463.2	467.1	464.0	469.5
57.5°	1181.2	1027.1	623.6	442.8	415.2	412.1	419.2	426.2	427.0	419.2	424.7
60°	1184.4	1009.0	579.6	413.7	391.6	383.0	385.3	383.8	382.2	379.1	383.8
62.5°	1168.6	970.5	530.8	385.3	366.5	353.1	352.3	351.5	353.9	354.7	355.5
65°	1111.2	898.1	472.6	356.3	339.7	321.6	320.9	330.3	333.4	328.7	330.3
67.5°	1000.3	787.2	408.9	322.4	305.9	290.2	296.5	302.0	307.5	305.9	307.5
70°	843.1	646.4	350.7	284.7	269.0	260.3	267.4	272.1	272.9	271.3	272.9
72.5°	663.0	504.9	296.5	246.2	232.0	228.1	236.7	240.6	247.7	250.9	251.7
75°	478.9	372.8	243.0	204.5	192.7	192.7	200.5	207.6	213.9	210.0	207.6
77.5°	267.4	222.6	174.6	140.8	143.1	154.1	157.3	165.1	171.4	170.7	169.1
80°	162.0	139.2	118.0	91.2	90.4	99.1	119.5	132.9	136.1	129.0	128.2
82.5°	84.1	73.1	62.9	51.1	56.6	66.1	69.2	83.4	92.0	88.9	92.8
85°	21.2	20.4	22.8	23.6	29.1	32.2	35.4	41.7	27.5	13.4	13.4
87.5°	6.3	6.3	7.9	7.9	10.2	12.6	11.8	11.8	6.3	0.8	0.0
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)