

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: P853421

Luminaire Tested: **CRTK-N-40-750-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-750-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

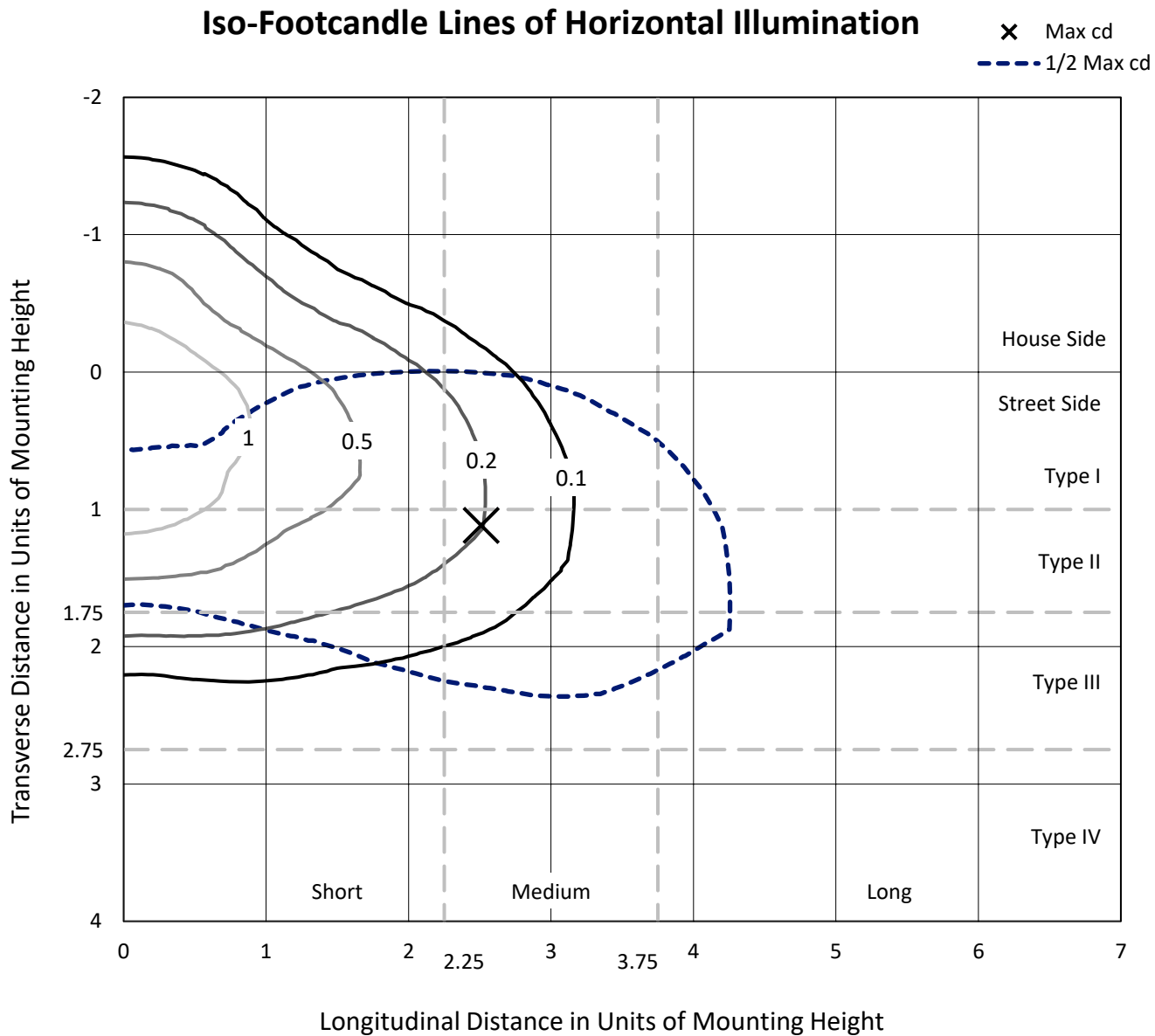
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5781 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



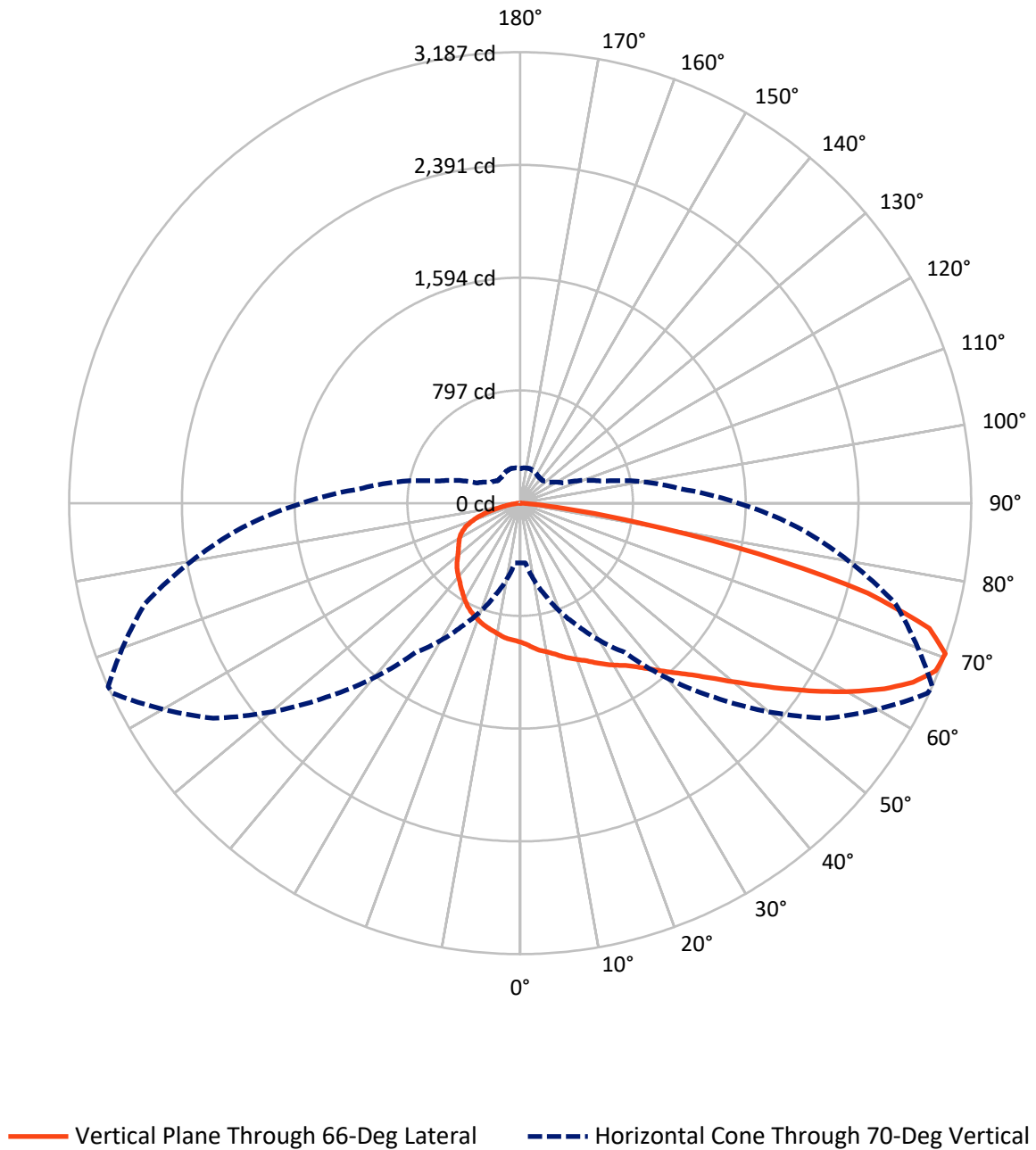
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Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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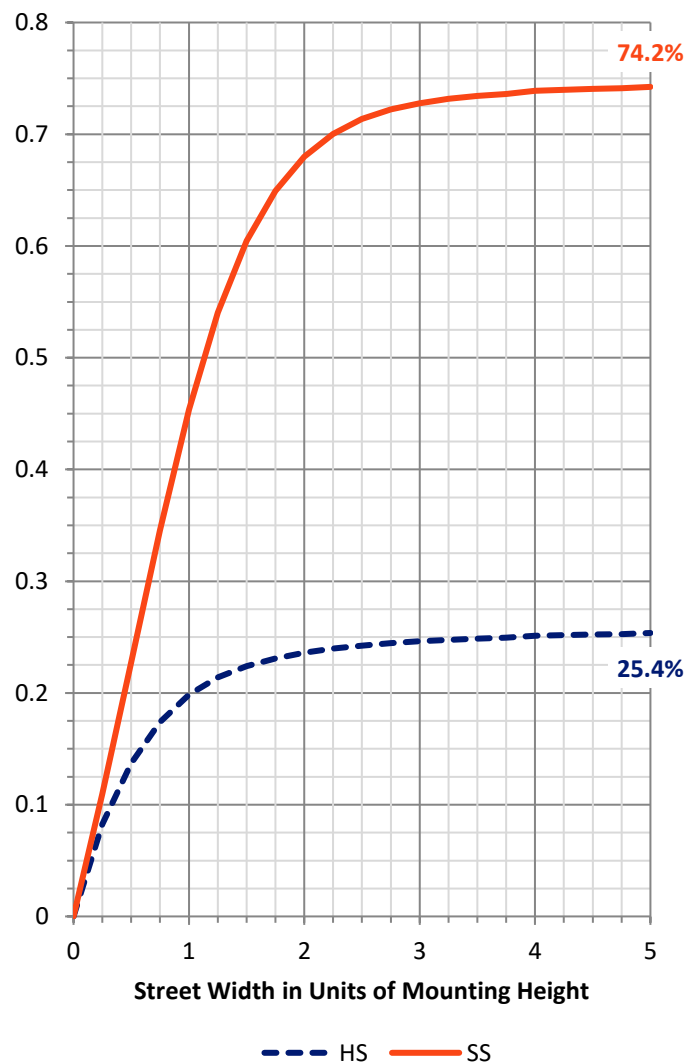
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1482.0	0.0	1482.0
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4299.0	0.0	4299.0
	% Fixture	74.4	0.0	74.4
Total	Lumens	5781.0	0.0	5781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	1.6
10°-20°	282.9	4.9
20°-30°	478.5	8.3
30°-40°	726.6	12.6
40°-50°	991.0	17.1
50°-60°	1178.4	20.4
60°-70°	1206.3	20.9
70°-80°	742.8	12.8
80°-90°	79.9	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°	5781.0	100.0
0°-180°	5781.0	100.0

Coefficient of Utilization



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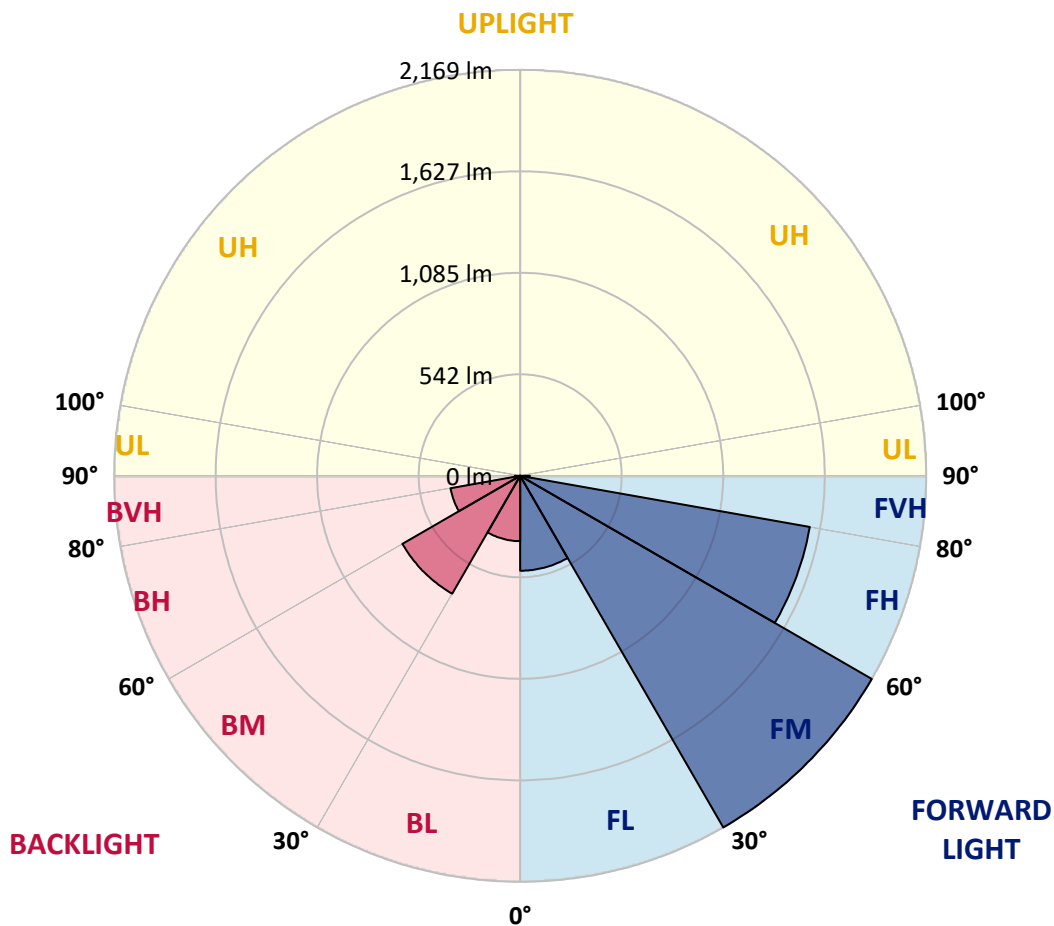
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	506.9	8.8			
FM	(30°-60°)	2169.2	37.5			
FH	(60°-80°)	1571.4	27.2			G1/1800
FVH	(80°-90°)	51.6	0.9			G1/100
BL	(0°-30°)	349.0	6.0	B1/500		
BM	(30°-60°)	726.9	12.6	B1/1000		
BH	(60°-80°)	377.7	6.5	B1/500		G1/500
BVH	(80°-90°)	28.3	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3
2.5°	1009.2	1012.4	1018.9	1014.0	1017.3	1009.2	1002.7	1004.3	1002.7	996.3	980.1
5°	1049.6	1051.2	1060.9	1054.4	1052.8	1046.3	1033.4	1028.6	1028.6	1015.6	991.4
7.5°	1085.1	1086.7	1096.4	1086.7	1086.7	1075.4	1062.5	1052.8	1052.8	1031.8	1001.1
10°	1107.7	1109.3	1117.4	1114.1	1115.8	1101.2	1085.1	1072.2	1070.5	1047.9	1007.6
12.5°	1133.5	1135.1	1146.4	1141.6	1143.2	1133.5	1115.8	1096.4	1094.8	1067.3	1017.3
15°	1156.1	1157.7	1167.4	1167.4	1173.9	1162.6	1148.0	1128.7	1125.4	1089.9	1030.2
17.5°	1170.7	1172.3	1186.8	1190.0	1199.7	1193.3	1180.3	1157.7	1152.9	1112.5	1043.1
20°	1186.8	1190.0	1202.9	1206.2	1220.7	1220.7	1209.4	1185.2	1180.3	1133.5	1056.0
22.5°	1219.1	1225.6	1233.6	1232.0	1244.9	1246.5	1238.5	1217.5	1211.0	1161.0	1072.2
25°	1304.7	1314.4	1314.4	1291.8	1288.5	1280.5	1272.4	1256.2	1249.8	1196.5	1093.1
27.5°	1454.8	1453.2	1443.5	1396.7	1354.7	1325.7	1314.4	1296.6	1290.1	1228.8	1114.1
30°	1614.7	1613.1	1600.2	1530.7	1450.0	1375.7	1356.3	1337.0	1328.9	1259.5	1133.5
32.5°	1768.1	1766.5	1758.4	1677.7	1559.8	1441.9	1409.6	1380.6	1367.6	1296.6	1161.0
35°	1894.0	1894.0	1887.6	1805.2	1658.3	1525.9	1471.0	1432.2	1420.9	1345.0	1202.9
37.5°	2008.7	2010.3	2005.4	1915.0	1747.1	1606.6	1545.3	1501.7	1487.1	1404.8	1248.2
40°	2168.5	2157.2	2150.8	2026.4	1831.1	1680.9	1624.4	1579.2	1561.4	1462.9	1286.9
42.5°	2291.3	2305.8	2252.5	2124.9	1915.0	1750.3	1705.1	1661.5	1642.1	1529.1	1337.0
45°	2338.1	2328.4	2289.6	2181.5	2045.8	1819.8	1789.1	1756.8	1735.8	1613.1	1401.6
47.5°	2357.5	2338.1	2288.0	2213.7	2170.1	1907.0	1882.7	1874.7	1852.1	1713.2	1475.8
50°	2310.6	2291.3	2271.9	2231.5	2213.7	1984.5	1984.5	2015.1	1990.9	1826.2	1558.2
52.5°	2187.9	2183.1	2202.4	2223.4	2170.1	2037.7	2103.9	2170.1	2147.5	1952.2	1647.0
55°	1961.9	1968.3	2074.9	2162.1	2137.9	2083.0	2233.1	2346.1	2321.9	2092.6	1734.2
57.5°	1771.3	1768.1	1860.1	2066.8	2095.9	2141.1	2376.8	2536.7	2509.2	2241.2	1821.4
60°	1551.7	1551.7	1658.3	1907.0	2041.0	2196.0	2523.8	2730.4	2703.0	2396.2	1911.8
62.5°	1264.3	1259.5	1445.2	1693.8	1944.1	2226.7	2651.3	2911.3	2888.7	2541.5	1979.6
65°	957.5	954.3	1201.3	1490.4	1795.5	2208.9	2740.1	3061.5	3050.2	2665.9	2028.1
67.5°	629.7	633.0	926.8	1249.8	1582.4	2123.3	2753.1	3171.3	3166.4	2743.4	2034.5
70°	421.4	423.0	670.1	952.7	1286.9	1939.2	2649.7	3177.7	3187.4	2745.0	1971.5
72.5°	301.9	305.2	468.3	674.9	897.8	1603.4	2423.7	2990.4	3022.7	2583.5	1766.5
75°	209.9	213.1	306.8	421.4	536.1	1081.8	1960.2	2480.2	2538.3	2178.2	1432.2
77.5°	142.1	140.5	171.2	274.5	319.7	586.1	1227.2	1651.8	1719.6	1466.1	1012.4
80°	108.2	106.6	113.0	150.2	161.5	248.7	531.2	796.0	863.9	676.6	468.3
82.5°	72.7	69.4	72.7	85.6	82.3	105.0	148.6	269.7	310.0	310.0	206.7
85°	33.9	33.9	38.8	40.4	33.9	42.0	43.6	51.7	59.7	61.4	45.2
87.5°	3.2	3.2	4.8	4.8	3.2	4.8	4.8	4.8	4.8	4.8	4.8
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°	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3	983.3
2.5°	976.9	975.3	975.3	972.0	965.6	957.5	949.4	944.6	941.4	943.0	944.6
5°	986.6	981.7	972.0	964.0	951.1	934.9	925.2	915.5	910.7	913.9	917.1
7.5°	993.0	985.0	967.2	952.7	931.7	913.9	899.4	888.1	880.0	881.6	881.6
10°	994.7	980.1	957.5	934.9	907.5	884.9	867.1	854.2	847.7	846.1	847.7
12.5°	1001.1	981.7	947.8	920.4	886.5	859.0	839.6	825.1	817.0	818.6	818.6
15°	1007.6	983.3	943.0	905.8	867.1	838.0	815.4	800.9	792.8	794.4	792.8
17.5°	1014.0	985.0	936.5	891.3	846.1	813.8	791.2	776.7	768.6	773.4	773.4
20°	1020.5	986.6	925.2	873.5	823.5	789.6	768.6	752.4	744.4	752.4	752.4
22.5°	1028.6	988.2	913.9	854.2	799.3	767.0	744.4	731.5	726.6	733.1	734.7
25°	1041.5	989.8	904.2	833.2	775.1	741.1	723.4	716.9	715.3	725.0	728.2
27.5°	1052.8	996.3	891.3	809.0	747.6	715.3	704.0	704.0	708.9	721.8	726.6
30°	1064.1	996.3	876.8	779.9	715.3	684.6	683.0	692.7	700.8	713.7	720.2
32.5°	1081.8	1001.1	859.0	750.8	681.4	655.6	665.3	679.8	691.1	704.0	708.9
35°	1112.5	1018.9	847.7	720.2	644.3	629.7	649.1	671.7	678.2	689.5	694.3
37.5°	1146.4	1044.7	842.9	691.1	612.0	605.5	634.6	658.8	662.0	666.9	671.7
40°	1170.7	1056.0	834.8	665.3	581.3	581.3	613.6	636.2	631.3	634.6	637.8
42.5°	1199.7	1060.9	817.0	642.6	555.5	555.5	584.5	603.9	597.4	603.9	608.7
45°	1240.1	1072.2	792.8	620.0	532.8	526.4	547.4	563.5	578.1	602.3	607.1
47.5°	1290.1	1096.4	771.8	591.0	511.9	490.9	503.8	531.2	550.6	576.4	581.3
50°	1345.0	1119.0	755.7	560.3	489.3	453.7	460.2	490.9	502.2	518.3	519.9
52.5°	1399.9	1140.0	741.1	534.5	463.4	410.1	421.4	452.1	458.6	468.3	468.3
55°	1454.8	1159.3	725.0	513.5	432.7	371.4	384.3	415.0	419.8	429.5	431.1
57.5°	1511.4	1180.3	715.3	494.1	397.2	343.9	353.6	381.1	389.1	397.2	397.2
60°	1558.2	1196.5	708.9	474.7	364.9	316.5	322.9	347.2	356.8	361.7	363.3
62.5°	1590.5	1204.6	702.4	452.1	335.9	290.6	295.5	319.7	331.0	334.2	334.2
65°	1608.2	1204.6	689.5	419.8	308.4	266.4	268.0	292.3	305.2	313.3	314.9
67.5°	1598.5	1191.6	657.2	384.3	282.6	245.4	247.0	268.0	281.0	289.0	289.0
70°	1542.0	1143.2	602.3	337.5	256.7	224.4	226.1	243.8	253.5	250.3	243.8
72.5°	1378.9	1022.1	513.5	287.4	230.9	205.1	206.7	221.2	214.8	211.5	213.1
75°	1122.2	809.0	385.9	222.8	193.8	180.8	185.7	190.5	184.1	187.3	185.7
77.5°	768.6	524.8	264.8	161.5	155.0	151.8	161.5	161.5	156.6	161.5	156.6
80°	347.2	245.4	150.2	105.0	108.2	109.8	121.1	121.1	127.6	132.4	130.8
82.5°	151.8	122.7	80.7	61.4	66.2	72.7	82.3	90.4	101.7	106.6	105.0
85°	38.8	32.3	32.3	29.1	38.8	38.8	46.8	53.3	54.9	54.9	54.9
87.5°	4.8	4.8	6.5	6.5	9.7	8.1	11.3	9.7	9.7	12.9	14.5
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)