

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: P1210199

Luminaire Tested: **ARCH2-50-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210199
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: ARCH2-50-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 410mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

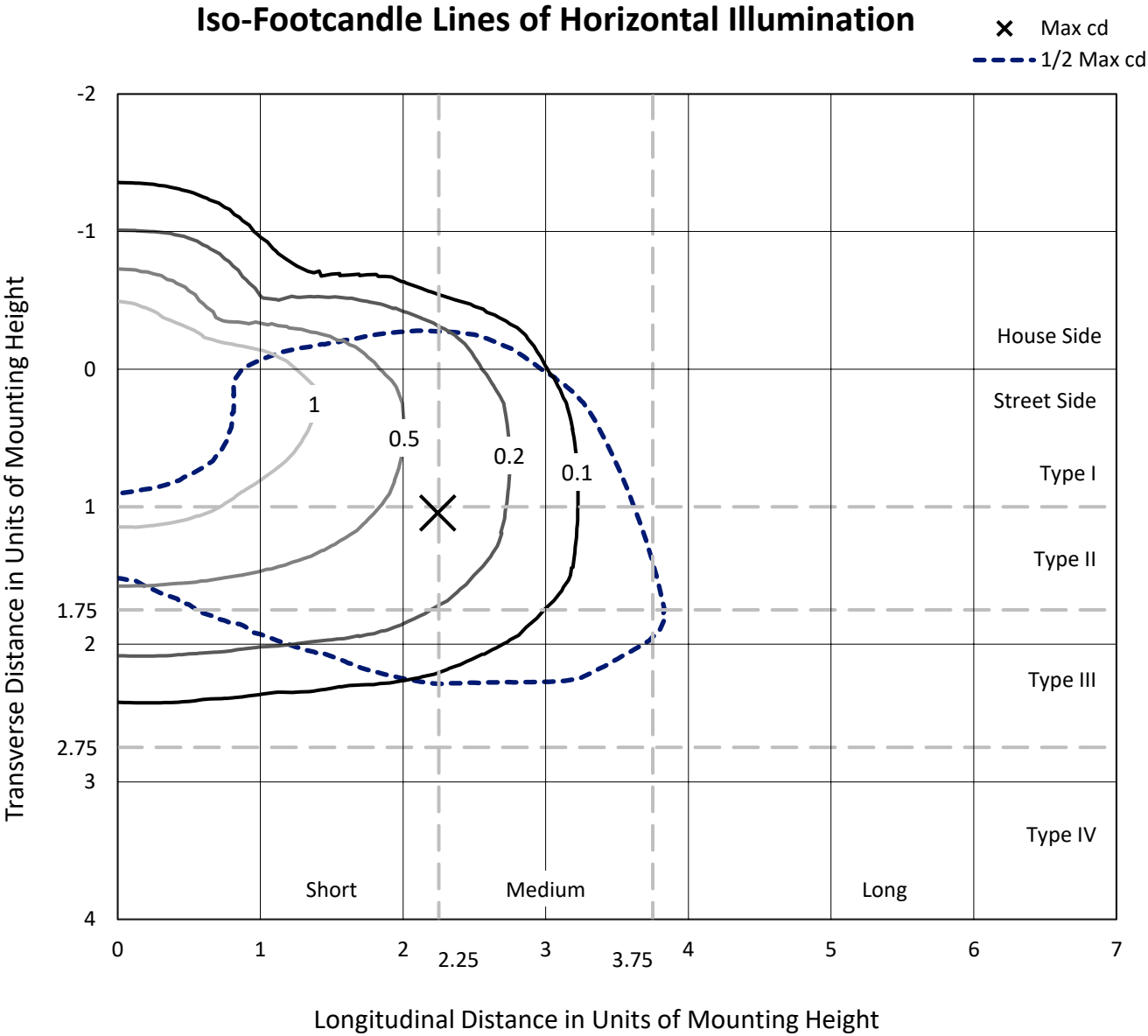
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6819 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 54
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

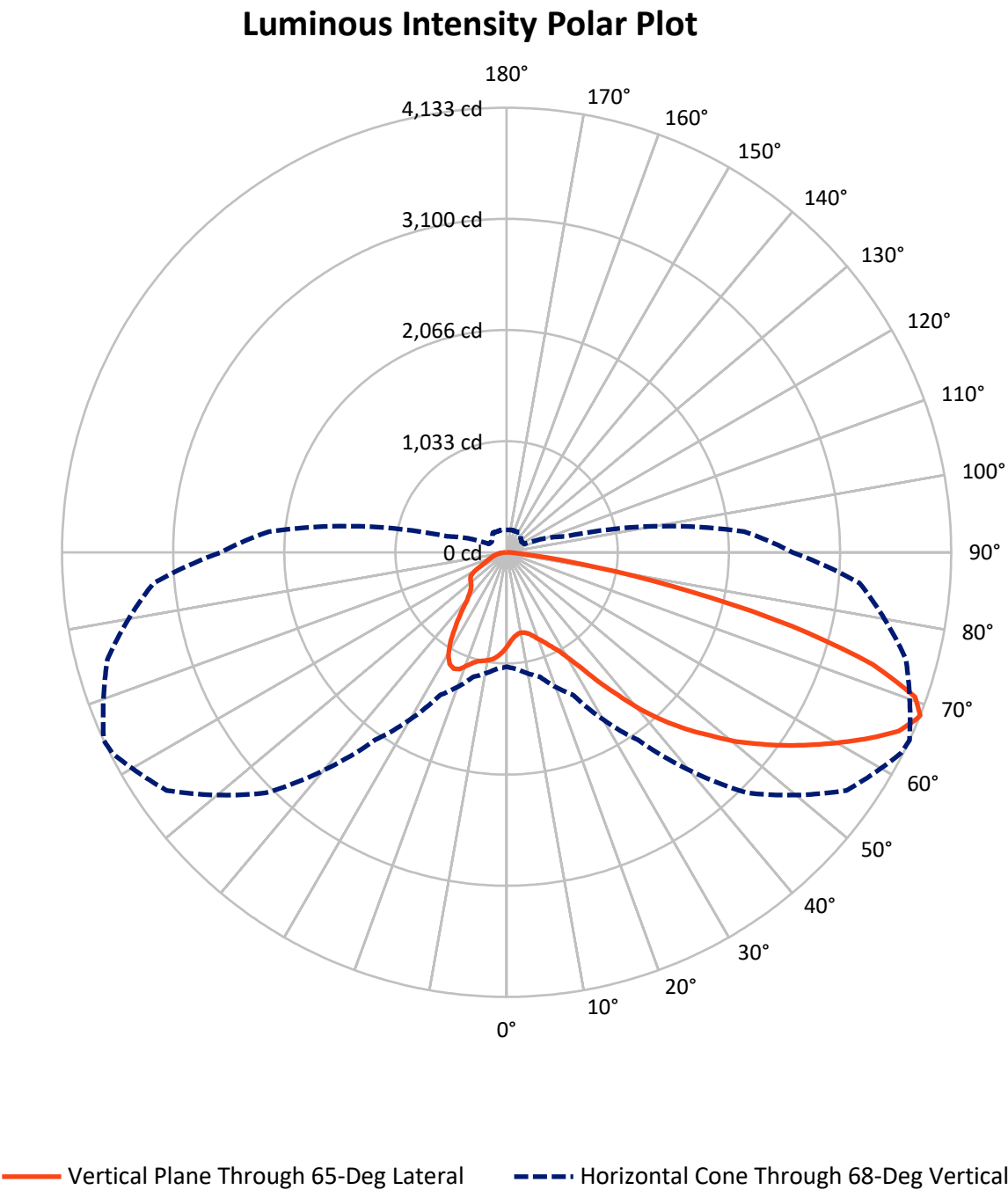


REPORT NUMBER: P1210199
CATALOG NUMBER: ARCH2-50-722-U-T3RE



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

REPORT NUMBER: P1210199
CATALOG NUMBER: ARCH2-50-722-U-T3RE



REPORT NUMBER: P1210199

CATALOG NUMBER: ARCH2-50-722-U-T3RE

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1671.8	0.0	1671.8
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5147.2	0.0	5147.2
	% Fixture	75.5	0.0	75.5
Total	Lumens	6819.0	0.0	6819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	1.2
10°-20°	271.2	4.0
20°-30°	490.8	7.2
30°-40°	772.0	11.3
40°-50°	1149.8	16.9
50°-60°	1508.4	22.1
60°-70°	1649.5	24.2
70°-80°	816.2	12.0
80°-90°	77.9	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°	6819.0	100.0
0°-180°	6819.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210199

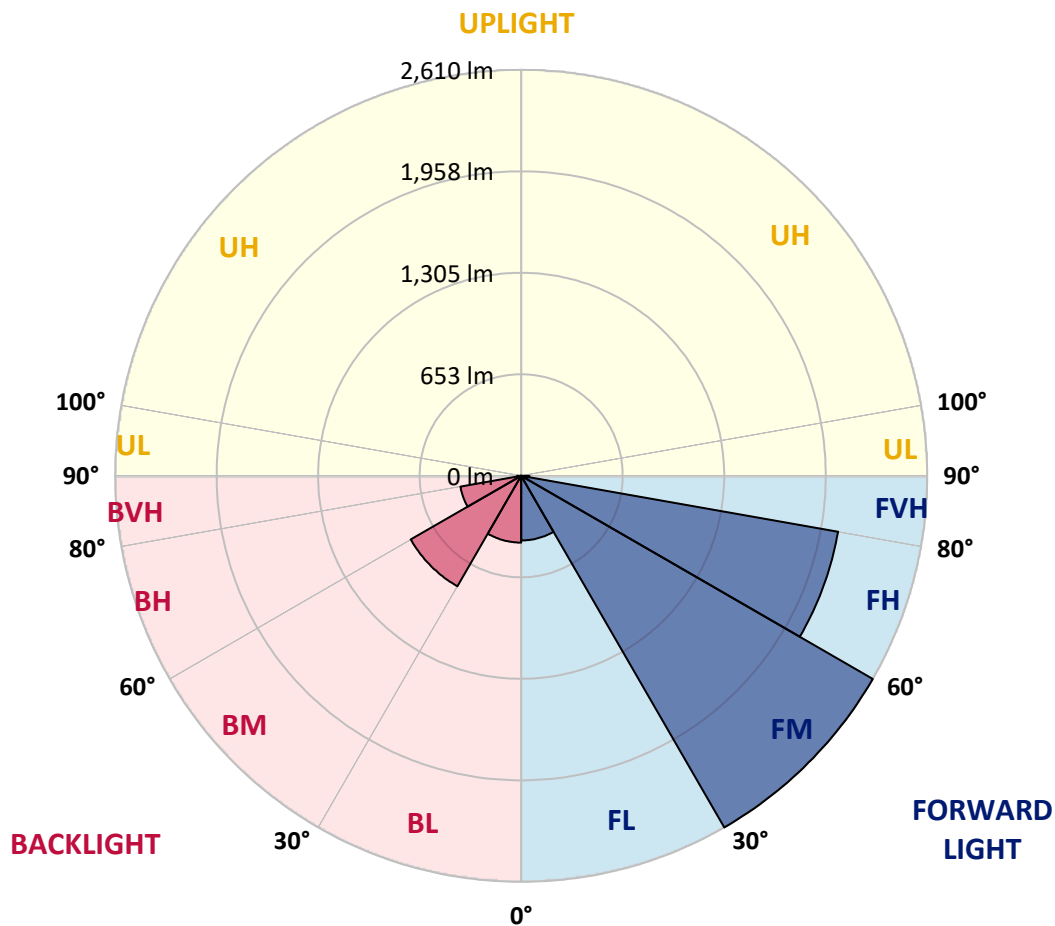
CATALOG NUMBER: ARCH2-50-722-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	415.7	6.1			
FM	(30°-60°)	2610.2	38.3			
FH	(60°-80°)	2068.9	30.3			G2/5000
FVH	(80°-90°)	52.4	0.8			G1/100
BL	(0°-30°)	429.5	6.3	B1/500		
BM	(30°-60°)	820.0	12.0	B1/1000		
BH	(60°-80°)	396.8	5.8	B1/500		G1/500
BVH	(80°-90°)	25.5	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-G2

Type III Short



REPORT NUMBER: P1210199

CATALOG NUMBER: ARCH2-50-722-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4
2.5°	760.6	758.8	763.2	767.6	777.3	788.7	804.6	817.7	819.5	844.1	863.5
5°	715.7	713.1	717.5	722.8	727.2	741.2	758.0	777.3	785.2	821.3	862.6
7.5°	720.1	719.3	721.0	719.3	719.3	725.4	736.9	756.2	765.0	808.1	867.0
10°	745.6	747.4	748.3	743.0	737.7	735.1	738.6	751.8	758.0	809.0	886.3
12.5°	787.9	790.5	791.4	781.7	774.7	763.2	757.1	762.4	766.7	817.7	913.6
15°	845.0	846.8	840.6	834.5	816.9	802.8	787.9	783.5	785.2	836.2	944.4
17.5°	911.8	909.2	909.2	894.2	871.4	849.4	824.8	821.3	821.3	866.1	988.3
20°	984.8	987.5	979.5	959.3	936.5	902.2	877.5	861.7	863.5	900.4	1042.0
22.5°	1090.3	1094.7	1073.6	1044.6	1009.4	969.9	934.7	909.2	910.1	945.2	1097.4
25°	1203.8	1205.5	1192.3	1153.6	1106.2	1049.9	1003.3	970.7	969.9	995.4	1168.6
27.5°	1319.8	1327.7	1301.4	1264.4	1220.5	1150.1	1088.6	1044.6	1037.6	1071.9	1257.4
30°	1439.4	1449.1	1423.6	1387.5	1333.0	1273.2	1200.2	1149.2	1144.8	1190.6	1376.1
32.5°	1559.9	1562.5	1542.3	1512.4	1463.2	1406.9	1348.0	1291.7	1287.3	1362.0	1530.0
35°	1658.4	1666.3	1652.2	1645.2	1609.1	1557.2	1500.1	1467.5	1479.0	1574.8	1729.6
37.5°	1777.1	1785.0	1769.1	1767.4	1756.0	1711.1	1671.5	1674.2	1685.6	1815.8	1939.7
40°	1948.5	1957.3	1916.9	1899.3	1899.3	1855.3	1842.1	1904.6	1919.5	2053.2	2158.7
42.5°	2093.6	2107.7	2083.9	2072.5	2038.2	2007.4	2023.3	2111.2	2136.7	2280.0	2349.5
45°	2164.0	2174.5	2202.6	2236.1	2202.6	2149.0	2208.8	2308.2	2344.2	2489.3	2540.3
47.5°	2201.8	2211.4	2244.0	2333.7	2356.5	2311.7	2396.1	2520.1	2544.7	2696.8	2722.3
50°	2207.0	2237.8	2280.0	2369.7	2474.3	2480.5	2584.3	2735.5	2764.5	2900.8	2882.3
52.5°	2164.0	2176.3	2263.3	2414.6	2530.6	2636.1	2789.1	2942.1	2963.2	3092.5	3023.9
55°	2093.6	2111.2	2198.2	2404.0	2585.1	2783.9	2997.5	3145.3	3169.0	3278.9	3154.9
57.5°	2030.3	2039.1	2132.3	2373.2	2639.7	2931.6	3183.1	3357.2	3373.0	3442.5	3251.6
60°	1960.0	1969.6	2062.8	2307.3	2680.1	3043.3	3376.5	3570.8	3584.9	3614.8	3364.2
62.5°	1777.9	1803.4	1920.4	2198.2	2669.6	3170.8	3583.1	3781.9	3799.5	3766.9	3453.0
65°	1443.8	1479.9	1623.2	1951.2	2571.1	3253.4	3752.0	3976.2	4006.1	3881.2	3476.7
67.5°	1121.1	1146.6	1261.8	1548.4	2225.5	3212.1	3861.0	4109.8	4118.6	3862.8	3344.9
68°	1063.1	1088.6	1198.5	1464.0	2129.7	3162.8	3858.4	4113.4	4132.7	3842.5	3293.9
70°	813.4	842.4	947.0	1159.8	1716.4	2849.8	3697.5	4028.9	4026.3	3598.1	2977.3
72.5°	508.2	524.9	597.0	731.6	1135.2	2168.4	3138.2	3553.2	3560.3	2933.3	2283.5
75°	322.7	322.7	319.2	354.4	582.1	1235.4	2332.8	2735.5	2740.8	2054.0	1439.4
77.5°	280.5	272.6	234.8	198.7	232.1	480.1	1380.5	1766.5	1737.5	1106.2	683.2
80°	236.5	223.3	192.6	160.0	149.5	150.4	530.2	896.9	858.2	398.3	226.9
82.5°	170.6	159.2	145.1	125.7	115.2	89.7	110.8	259.4	253.2	115.2	73.9
85°	92.3	83.5	81.8	82.7	69.5	55.4	46.6	57.2	57.2	50.1	42.2
87.5°	32.5	23.7	28.1	31.7	27.3	22.9	18.5	22.0	22.9	22.0	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1210199

CATALOG NUMBER: ARCH2-50-722-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4
2.5°	874.9	883.7	904.8	923.3	936.5	947.9	954.0	956.7	962.8	963.7	962.0
5°	881.9	904.8	936.5	963.7	978.7	984.8	986.6	987.5	984.8	986.6	984.8
7.5°	900.4	929.4	974.3	998.0	1000.6	991.0	991.8	988.3	991.8	995.4	995.4
10°	928.5	965.5	1007.7	1016.5	1005.0	999.8	1010.3	1031.4	1038.5	1048.1	1048.1
12.5°	965.5	1009.4	1039.3	1031.4	1020.9	1038.5	1069.2	1090.3	1097.4	1100.9	1098.2
15°	1007.7	1055.2	1070.1	1043.7	1063.1	1100.9	1111.4	1099.1	1081.5	1073.6	1078.0
17.5°	1061.3	1100.9	1092.1	1074.5	1118.5	1123.7	1089.5	1049.9	1021.7	1011.2	1018.2
20°	1117.6	1151.9	1111.4	1119.3	1146.6	1090.3	1025.3	974.3	949.6	945.2	952.3
22.5°	1177.4	1199.4	1130.8	1171.2	1130.8	1016.5	938.2	911.8	905.7	912.7	918.9
25°	1245.1	1242.4	1164.2	1187.1	1071.9	925.9	879.3	877.5	877.5	881.9	890.7
27.5°	1321.6	1280.3	1197.6	1166.0	969.9	851.2	842.4	843.2	840.6	841.5	845.9
30°	1410.4	1331.3	1234.5	1096.5	855.6	794.9	791.4	788.7	782.6	780.8	782.6
32.5°	1522.1	1384.9	1272.3	982.2	755.3	736.9	735.1	721.0	706.1	704.3	710.5
35°	1663.6	1482.5	1291.7	838.9	672.7	671.8	665.6	643.6	624.3	624.3	619.9
37.5°	1825.4	1608.2	1299.6	699.0	604.1	608.5	590.9	562.8	547.8	539.0	541.6
40°	1990.7	1751.6	1298.7	576.8	544.3	545.2	532.0	497.7	460.8	438.8	444.0
42.5°	2149.9	1881.7	1275.9	511.8	495.9	493.3	482.7	436.1	405.4	387.8	388.7
45°	2277.4	2016.2	1240.7	473.1	452.0	456.4	432.6	404.5	376.3	360.5	359.6
47.5°	2404.9	2118.2	1184.4	449.3	419.4	411.5	401.8	382.5	361.4	343.8	344.7
50°	2521.0	2205.3	1131.7	433.5	389.5	369.3	371.1	359.6	341.2	325.3	324.5
52.5°	2602.7	2262.4	1102.6	424.7	353.5	331.5	337.7	331.5	313.9	302.5	301.6
55°	2684.5	2306.4	1112.3	413.3	313.9	296.3	306.9	305.1	295.4	291.9	292.8
57.5°	2750.4	2339.8	1146.6	392.2	276.1	265.5	283.1	277.9	270.8	271.7	271.7
60°	2814.6	2382.9	1187.1	343.8	243.6	244.4	261.2	251.5	247.1	255.0	255.9
62.5°	2881.5	2429.5	1153.6	273.5	215.4	221.6	240.9	233.0	234.8	246.2	249.7
65°	2873.5	2425.1	940.0	224.2	190.8	203.1	232.1	229.5	230.4	234.8	236.5
67.5°	2711.8	2270.3	646.3	190.8	173.2	188.2	225.1	214.5	215.4	212.8	213.7
68°	2657.2	2215.8	569.8	185.5	169.7	184.7	221.6	211.9	212.8	210.2	209.3
70°	2360.0	1897.5	360.5	163.5	157.4	175.0	204.0	200.5	199.6	197.8	197.8
72.5°	1799.0	1400.7	189.9	141.6	143.3	160.0	182.0	189.0	184.7	185.5	190.8
75°	1191.5	842.4	131.9	121.3	125.7	137.2	161.8	175.9	171.5	174.1	171.5
77.5°	630.5	453.7	105.5	102.9	102.9	110.8	133.7	155.6	155.6	153.9	151.2
80°	206.6	160.0	84.4	80.9	82.7	87.1	107.3	127.5	130.1	126.6	124.9
82.5°	69.5	73.9	63.3	58.9	60.7	64.2	80.9	97.6	98.5	91.4	89.7
85°	43.1	49.2	39.6	38.7	38.7	39.6	49.2	53.6	49.2	44.0	45.7
87.5°	20.2	24.6	18.5	15.8	13.2	11.4	8.8	3.5	3.5	1.8	1.8
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)