

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: P1210751

Luminaire Tested: **ARCH3-60-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210751
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: ARCH3-60-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10086 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.2
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

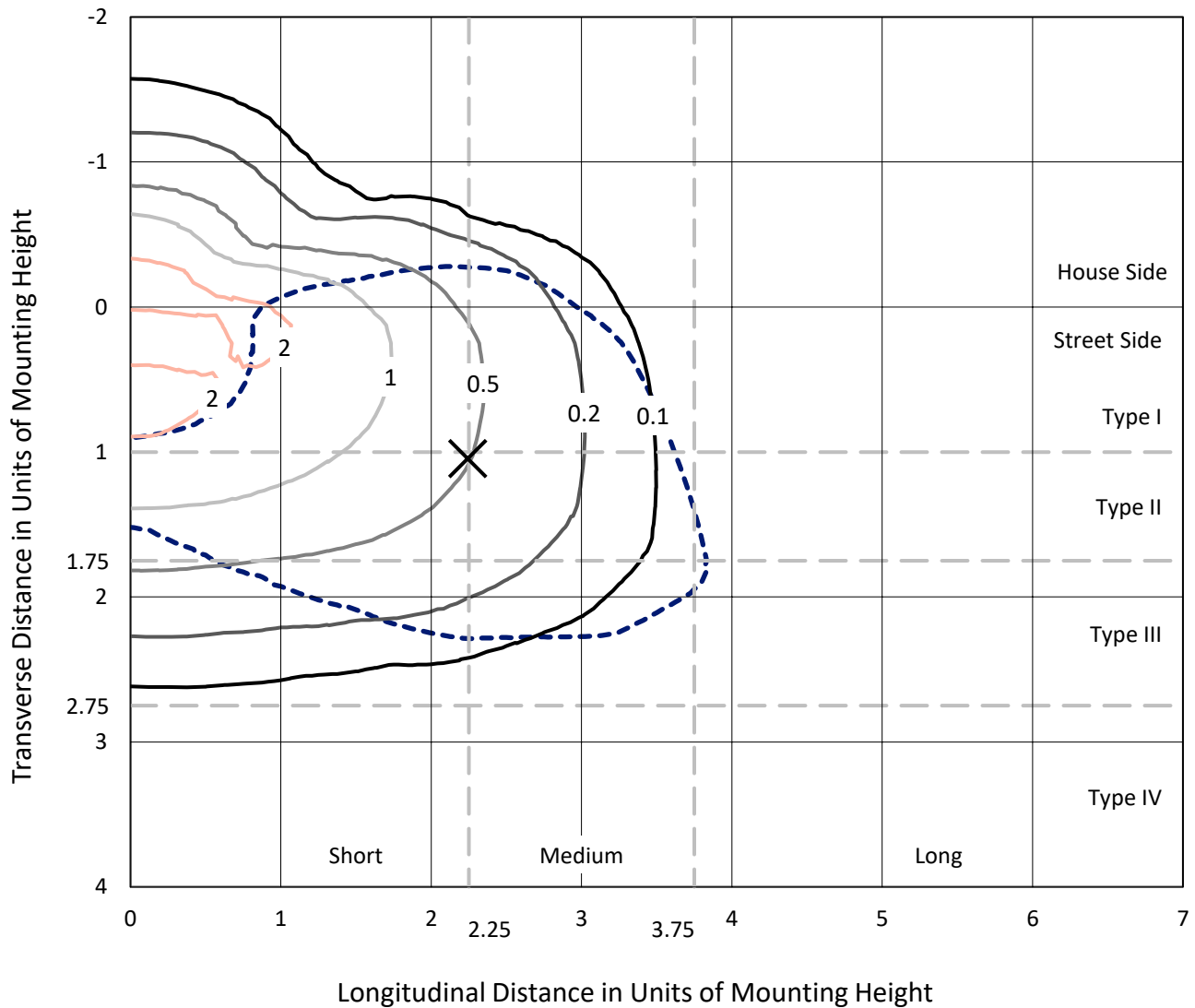


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Iso-Footcandle Lines of Horizontal Illumination

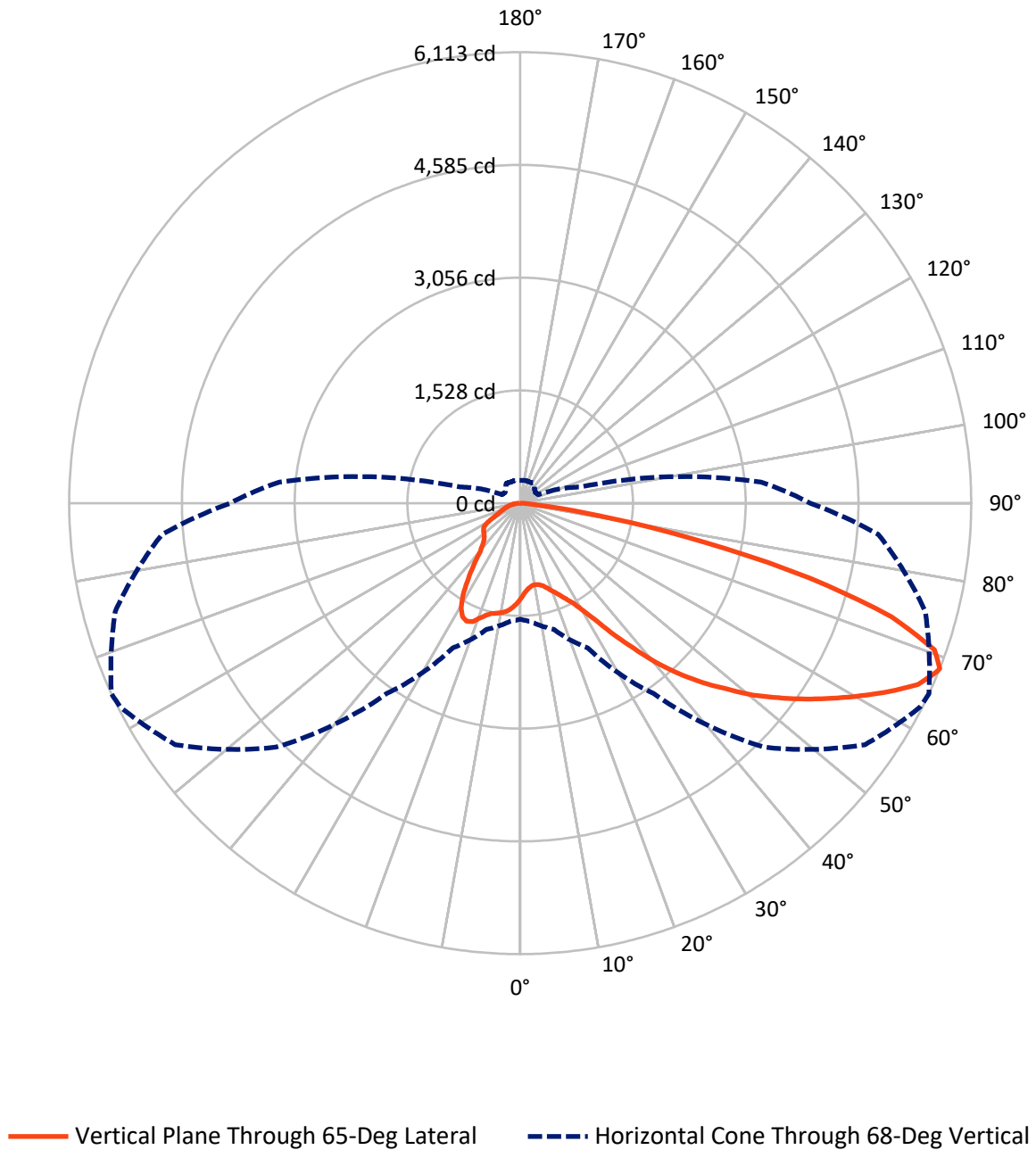
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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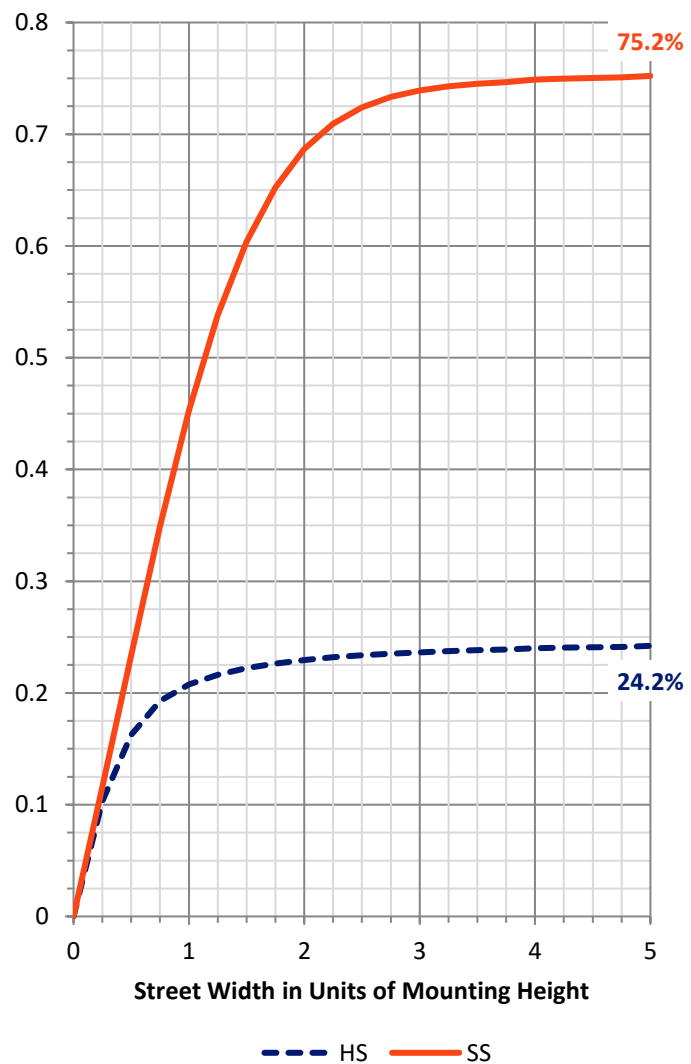
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2472.8	0.0	2472.8
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	7613.2	0.0	7613.2
	% Fixture	75.5	0.0	75.5
Total	Lumens	10086.0	0.0	10086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	1.2
10°-20°	401.1	4.0
20°-30°	725.9	7.2
30°-40°	1141.9	11.3
40°-50°	1700.7	16.9
50°-60°	2231.0	22.1
60°-70°	2439.8	24.2
70°-80°	1207.3	12.0
80°-90°	115.2	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°	10086.0	100.0
0°-180°	10086.0	100.0

Coefficient of Utilization



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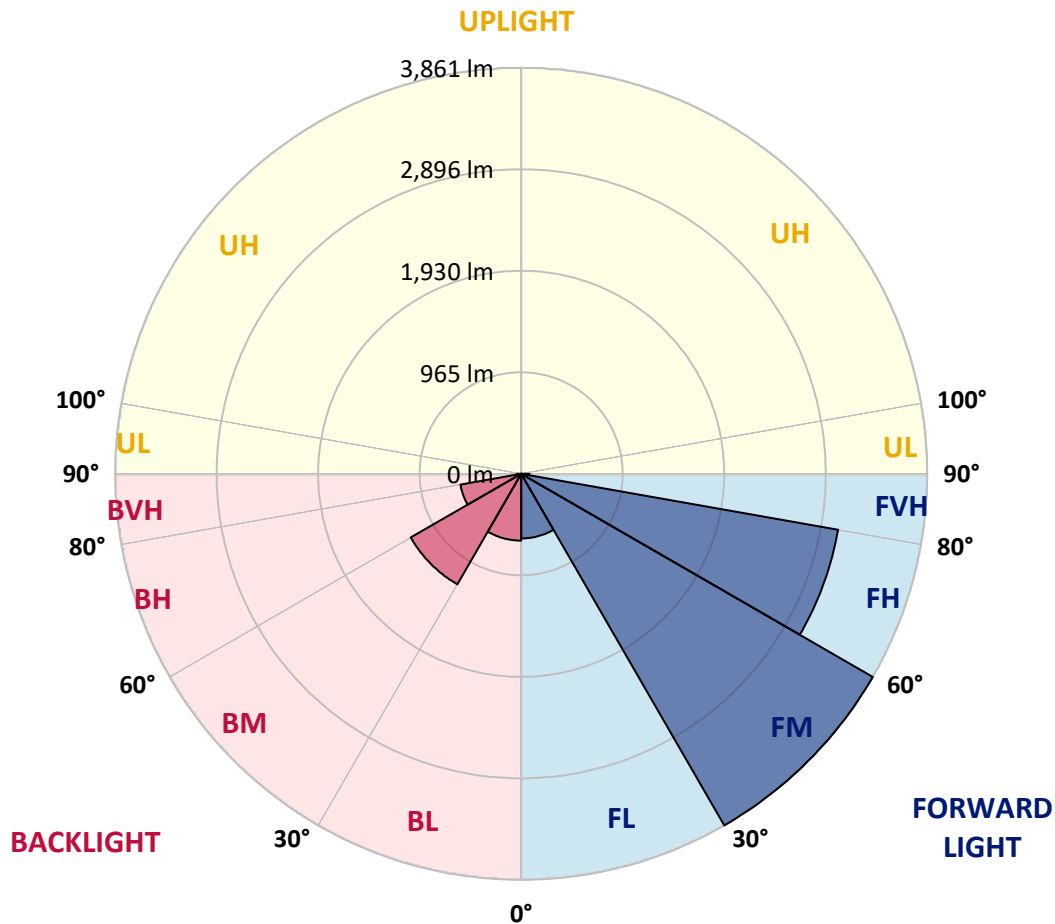
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	614.9	6.1			
FM	(30°-60°)	3860.8	38.3			
FH	(60°-80°)	3060.1	30.3			G2/5000
FVH	(80°-90°)	77.5	0.8			G1/100
BL	(0°-30°)	635.3	6.3	B2/1000		
BM	(30°-60°)	1212.9	12.0	B2/2500		
BH	(60°-80°)	586.9	5.8	B2/1000		G2/1000
BVH	(80°-90°)	37.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9
2.5°	1125.0	1122.4	1128.9	1135.4	1149.7	1166.6	1190.0	1209.5	1212.1	1248.6	1277.2
5°	1058.7	1054.8	1061.3	1069.1	1075.6	1096.4	1121.1	1149.7	1161.4	1214.7	1275.9
7.5°	1065.2	1063.9	1066.5	1063.9	1063.9	1073.0	1089.9	1118.5	1131.5	1195.2	1282.4
10°	1102.9	1105.5	1106.8	1099.0	1091.2	1087.3	1092.5	1112.0	1121.1	1196.5	1311.0
12.5°	1165.3	1169.2	1170.5	1156.2	1145.8	1128.9	1119.8	1127.6	1134.1	1209.5	1351.3
15°	1249.9	1252.5	1243.3	1234.2	1208.2	1187.4	1165.3	1158.8	1161.4	1236.8	1396.8
17.5°	1348.7	1344.8	1344.8	1322.7	1288.9	1256.4	1219.9	1214.7	1214.7	1281.1	1461.8
20°	1456.6	1460.5	1448.8	1418.9	1385.1	1334.4	1298.0	1274.6	1277.2	1331.8	1541.2
22.5°	1612.7	1619.2	1588.0	1545.1	1493.1	1434.5	1382.5	1344.8	1346.1	1398.1	1623.1
25°	1780.5	1783.1	1763.6	1706.4	1636.1	1552.9	1484.0	1435.8	1434.5	1472.2	1728.5
27.5°	1952.2	1963.9	1924.8	1870.2	1805.2	1701.1	1610.1	1545.1	1534.7	1585.4	1859.8
30°	2129.0	2143.3	2105.6	2052.3	1971.7	1883.2	1775.3	1699.8	1693.3	1761.0	2035.4
32.5°	2307.2	2311.1	2281.2	2237.0	2164.2	2080.9	1993.8	1910.5	1904.0	2014.6	2263.0
35°	2452.9	2464.6	2443.8	2433.4	2380.0	2303.3	2218.8	2170.7	2187.6	2329.3	2558.2
37.5°	2628.5	2640.2	2616.8	2614.2	2597.2	2530.9	2472.4	2476.3	2493.2	2685.7	2869.1
40°	2882.1	2895.1	2835.2	2809.2	2809.2	2744.2	2724.7	2817.0	2839.2	3036.8	3192.9
42.5°	3096.7	3117.5	3082.4	3065.5	3014.7	2969.2	2992.6	3122.7	3160.4	3372.4	3475.1
45°	3200.7	3216.3	3257.9	3307.4	3257.9	3178.6	3267.0	3414.0	3467.3	3681.9	3757.4
47.5°	3256.6	3270.9	3319.1	3451.7	3485.5	3419.2	3544.1	3727.4	3763.9	3988.9	4026.6
50°	3264.4	3310.0	3372.4	3505.0	3659.8	3668.9	3822.4	4046.1	4089.0	4290.6	4263.3
52.5°	3200.7	3218.9	3347.7	3571.4	3743.1	3899.1	4125.4	4351.7	4382.9	4574.1	4472.7
55°	3096.7	3122.7	3251.4	3555.8	3823.7	4117.6	4433.7	4652.2	4687.3	4849.8	4666.5
57.5°	3003.0	3016.0	3153.9	3510.2	3904.3	4336.1	4708.1	4965.6	4989.0	5091.7	4809.5
60°	2899.0	2913.3	3051.1	3412.7	3964.1	4501.3	4994.2	5281.6	5302.4	5346.7	4976.0
62.5°	2629.8	2667.5	2840.5	3251.4	3948.5	4689.9	5299.8	5593.8	5619.8	5571.7	5107.4
65°	2135.5	2188.9	2400.9	2886.0	3802.9	4812.1	5549.5	5881.2	5925.4	5740.7	5142.5
67.5°	1658.2	1695.9	1866.3	2290.3	3291.8	4751.0	5710.8	6078.9	6091.9	5713.4	4947.4
68°	1572.4	1610.1	1772.7	2165.5	3150.0	4678.2	5706.9	6084.1	6112.7	5683.5	4871.9
70°	1203.0	1245.9	1400.7	1715.5	2538.7	4215.2	5468.9	5959.2	5955.3	5321.9	4403.7
72.5°	751.7	776.4	883.1	1082.1	1679.0	3207.2	4641.7	5255.6	5266.0	4338.7	3377.6
75°	477.3	477.3	472.1	524.1	861.0	1827.3	3450.4	4046.1	4053.9	3038.1	2129.0
77.5°	414.9	403.2	347.3	293.9	343.4	710.1	2041.9	2612.9	2569.9	1636.1	1010.5
80°	349.9	330.3	284.8	236.7	221.1	222.4	784.2	1326.6	1269.4	589.2	335.5
82.5°	252.3	235.4	214.6	186.0	170.4	132.7	163.9	383.7	374.6	170.4	109.2
85°	136.6	123.6	121.0	122.3	102.7	81.9	68.9	84.5	84.5	74.1	62.4
87.5°	48.1	35.1	41.6	46.8	40.3	33.8	27.3	32.5	33.8	32.5	29.9
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°	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9	1288.9
2.5°	1294.1	1307.1	1338.3	1365.6	1385.1	1402.0	1411.1	1415.0	1424.1	1425.4	1422.8
5°	1304.5	1338.3	1385.1	1425.4	1447.5	1456.6	1459.2	1460.5	1456.6	1459.2	1456.6
7.5°	1331.8	1374.7	1441.0	1476.2	1480.1	1465.7	1467.0	1461.8	1467.0	1472.2	1472.2
10°	1373.4	1428.0	1490.5	1503.5	1486.6	1478.8	1494.4	1525.6	1536.0	1550.3	1550.3
12.5°	1428.0	1493.1	1537.3	1525.6	1510.0	1536.0	1581.5	1612.7	1623.1	1628.3	1624.4
15°	1490.5	1560.7	1582.8	1543.8	1572.4	1628.3	1643.9	1625.7	1599.7	1588.0	1594.5
17.5°	1569.8	1628.3	1615.3	1589.3	1654.3	1662.1	1611.4	1552.9	1511.3	1495.7	1506.1
20°	1653.0	1703.8	1643.9	1655.6	1695.9	1612.7	1516.5	1441.0	1404.6	1398.1	1408.5
22.5°	1741.5	1774.0	1672.5	1732.4	1672.5	1503.5	1387.7	1348.7	1339.6	1350.0	1359.1
25°	1841.6	1837.7	1722.0	1755.8	1585.4	1369.5	1300.6	1298.0	1298.0	1304.5	1317.5
27.5°	1954.8	1893.6	1771.4	1724.6	1434.5	1259.0	1245.9	1247.2	1243.3	1244.6	1251.2
30°	2086.1	1969.1	1826.0	1621.8	1265.5	1175.7	1170.5	1166.6	1157.5	1154.9	1157.5
32.5°	2251.3	2048.4	1881.9	1452.7	1117.2	1089.9	1087.3	1066.5	1044.4	1041.8	1050.9
35°	2460.7	2192.8	1910.5	1240.7	994.9	993.6	984.5	952.0	923.4	923.4	916.9
37.5°	2700.0	2378.7	1922.2	1034.0	893.5	900.0	874.0	832.4	810.3	797.3	801.2
40°	2944.5	2590.7	1920.9	853.2	805.1	806.4	786.8	736.1	681.5	649.0	656.8
42.5°	3179.9	2783.2	1887.1	756.9	733.5	729.6	714.0	645.1	599.6	573.6	574.9
45°	3368.5	2982.2	1835.1	699.7	668.5	675.0	639.9	598.3	556.6	533.2	531.9
47.5°	3557.1	3133.1	1751.9	664.6	620.4	608.7	594.4	565.7	534.5	508.5	509.8
50°	3728.7	3261.8	1673.8	641.2	576.2	546.2	548.8	531.9	504.6	481.2	479.9
52.5°	3849.7	3346.4	1630.9	628.2	522.8	490.3	499.4	490.3	464.3	447.4	446.1
55°	3970.7	3411.4	1645.2	611.3	464.3	438.3	453.9	451.3	437.0	431.8	433.1
57.5°	4068.2	3460.8	1695.9	580.1	408.4	392.8	418.8	411.0	400.6	401.9	401.9
60°	4163.1	3524.6	1755.8	508.5	360.3	361.6	386.3	372.0	365.5	377.2	378.5
62.5°	4262.0	3593.5	1706.4	404.5	318.6	327.7	356.4	344.7	347.3	364.2	369.4
65°	4250.3	3587.0	1390.3	331.6	282.2	300.4	343.4	339.4	340.8	347.3	349.9
67.5°	4011.0	3358.1	955.9	282.2	256.2	278.3	332.9	317.3	318.6	314.7	316.0
68°	3930.3	3277.4	842.8	274.4	251.0	273.1	327.7	313.4	314.7	310.8	309.5
70°	3490.7	2806.6	533.2	241.9	232.8	258.8	301.7	296.5	295.2	292.6	292.6
72.5°	2661.0	2071.8	280.9	209.4	212.0	236.7	269.2	279.6	273.1	274.4	282.2
75°	1762.3	1245.9	195.1	179.5	186.0	202.9	239.3	260.1	253.6	257.5	253.6
77.5°	932.5	671.1	156.1	152.2	152.2	163.9	197.7	230.2	230.2	227.6	223.7
80°	305.6	236.7	124.9	119.7	122.3	128.8	158.7	188.6	192.5	187.3	184.7
82.5°	102.7	109.2	93.6	87.1	89.7	94.9	119.7	144.4	145.7	135.3	132.7
85°	63.7	72.8	58.5	57.2	57.2	58.5	72.8	79.3	72.8	65.0	67.6
87.5°	29.9	36.4	27.3	23.4	19.5	16.9	13.0	5.2	5.2	2.6	2.6
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)