

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: P1210141

Luminaire Tested: **ARCH2-30-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5211 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - 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

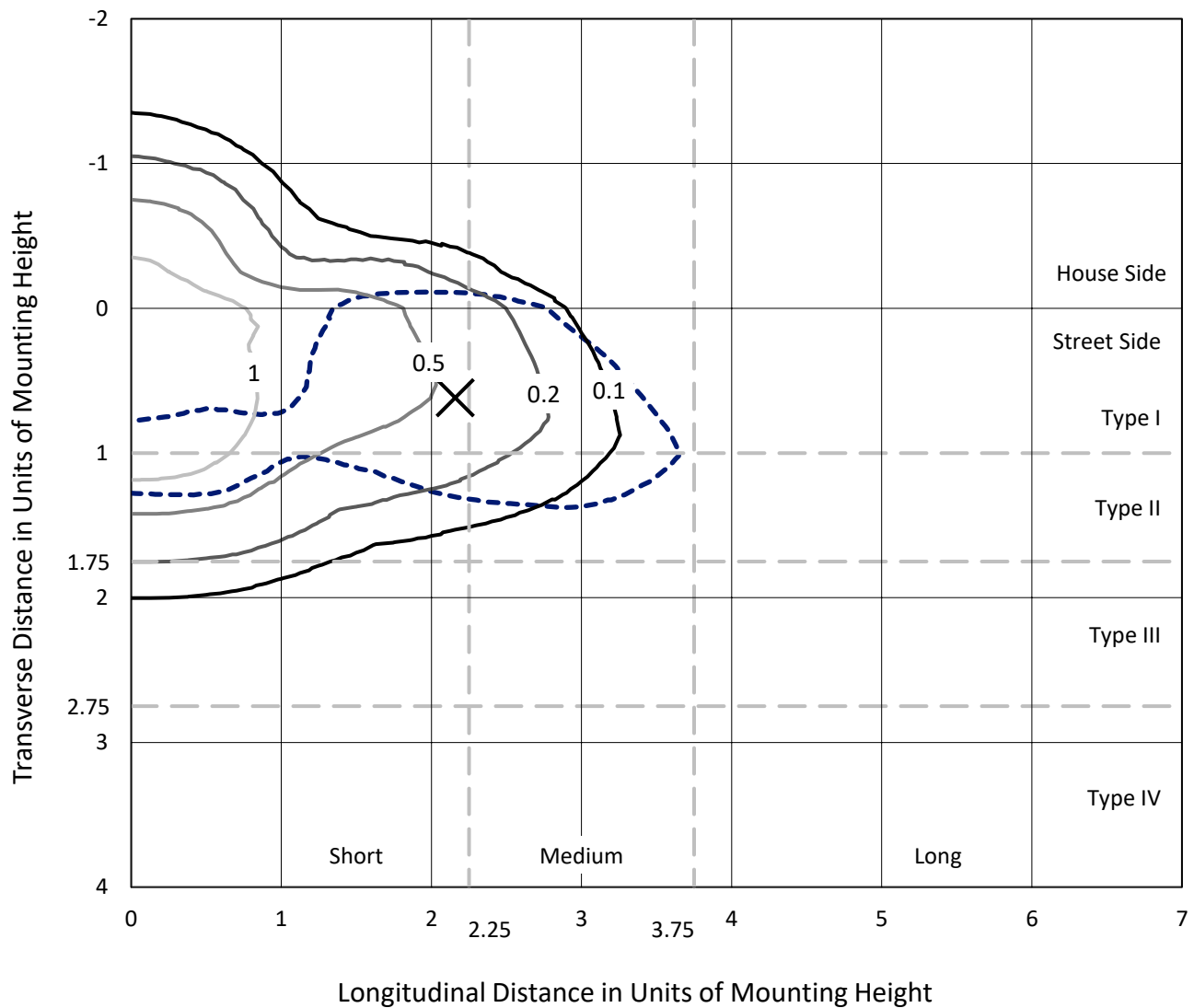


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Iso-Footcandle Lines of Horizontal Illumination

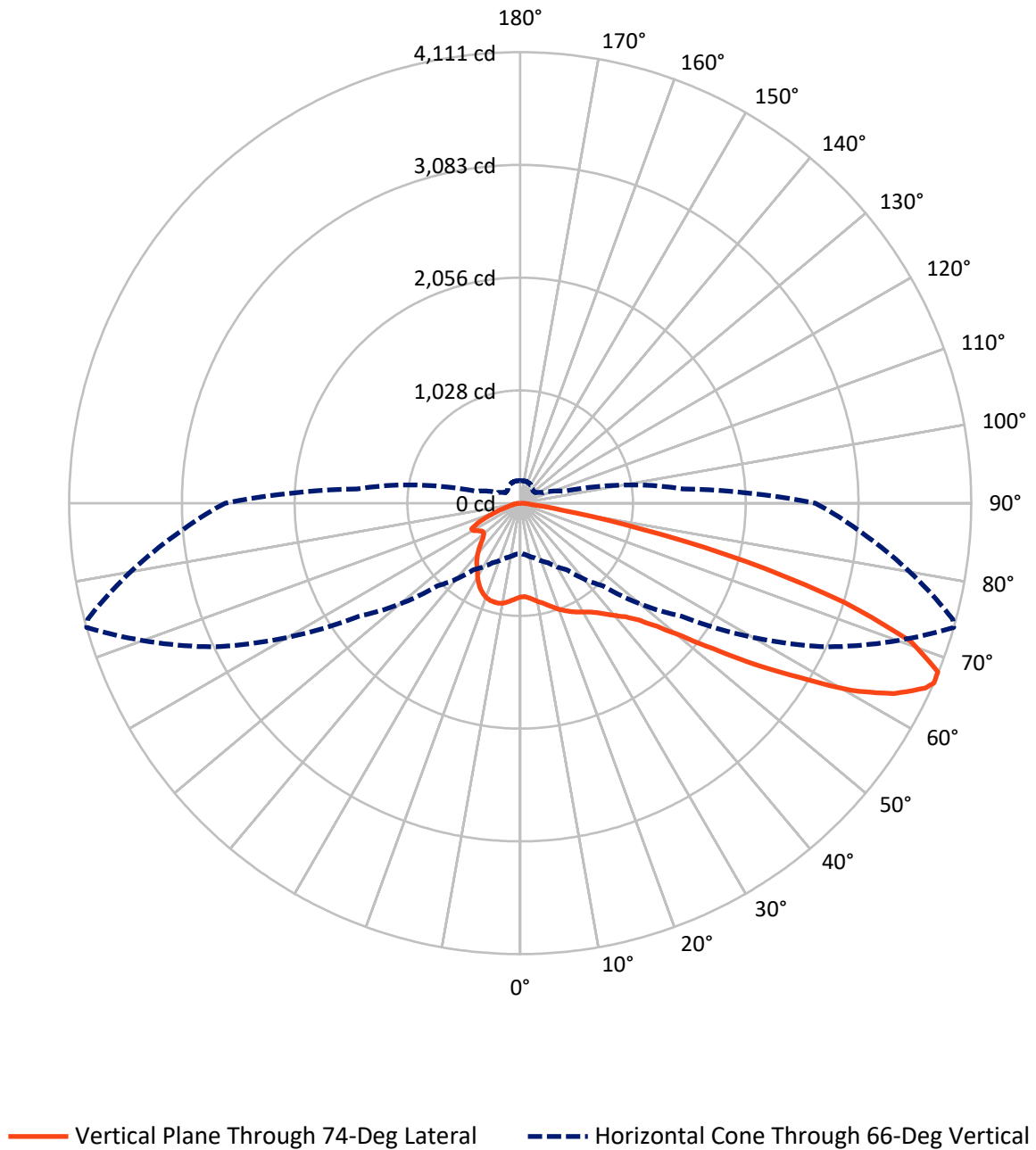
✕ Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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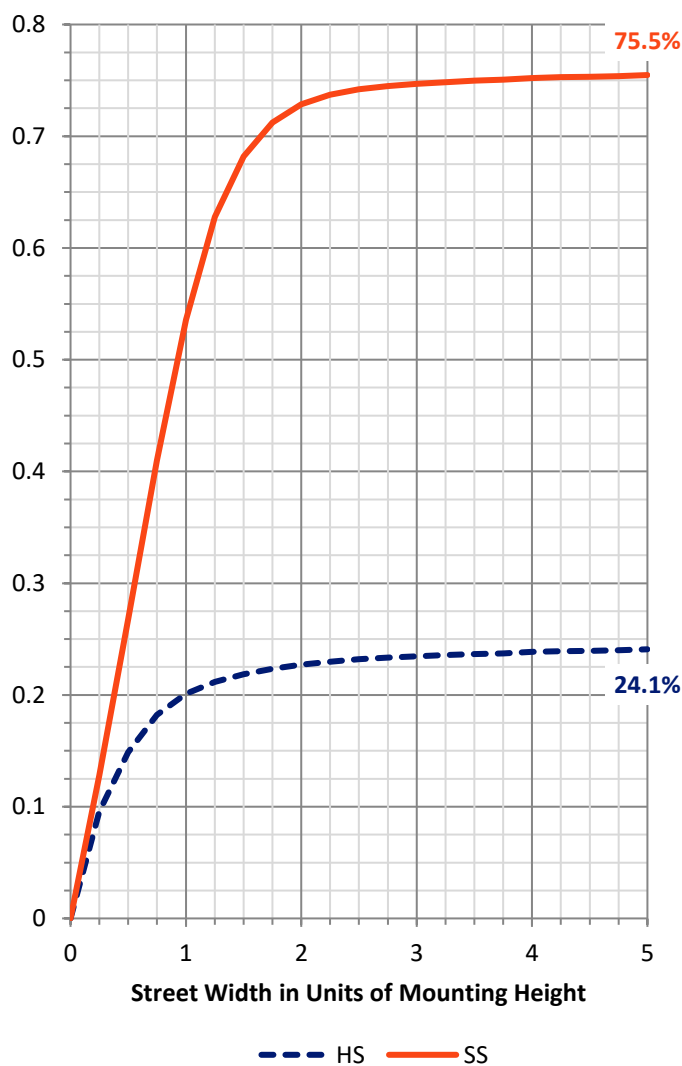
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1269.0	0.0	1269.0
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	3942.0	0.0	3942.0
	% Fixture	75.6	0.0	75.6
Total	Lumens	5211.0	0.0	5211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.6
10°-20°	250.6	4.8
20°-30°	470.2	9.0
30°-40°	723.3	13.9
40°-50°	973.0	18.7
50°-60°	1150.6	22.1
60°-70°	1064.4	20.4
70°-80°	447.8	8.6
80°-90°	49.6	1.0
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°	5211.0	100.0
0°-180°	5211.0	100.0

Coefficient of Utilization



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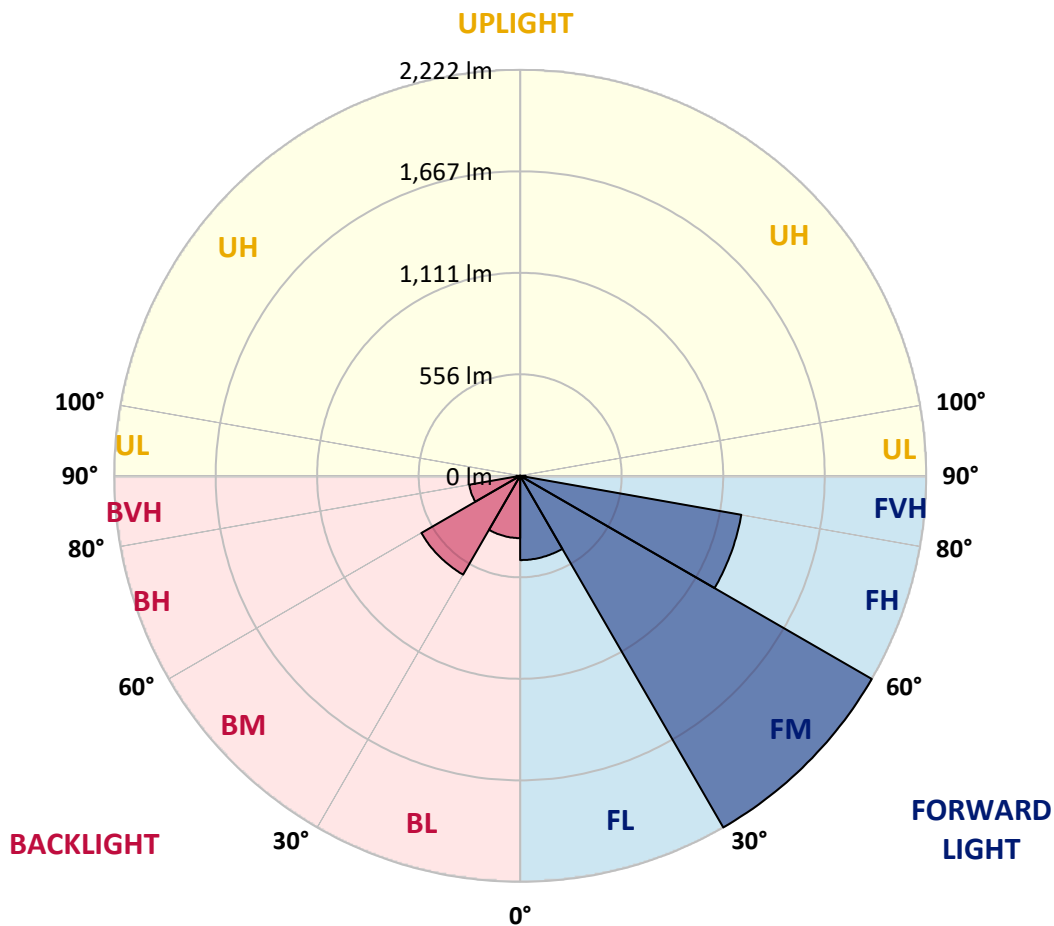
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	461.2	8.9			
FM	(30°-60°)	2222.2	42.6			
FH	(60°-80°)	1228.9	23.6			G1/1800
FVH	(80°-90°)	29.6	0.6			G1/100
BL	(0°-30°)	341.1	6.5	B1/500		
BM	(30°-60°)	624.7	12.0	B1/1000		
BH	(60°-80°)	283.3	5.4	B1/500		G1/500
BVH	(80°-90°)	19.9	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3
2.5°	851.6	850.2	852.9	856.9	858.9	855.6	854.3	853.6	853.6	851.6	854.9
5°	811.3	810.7	816.7	824.1	838.2	848.2	861.6	869.7	867.0	863.0	865.7
7.5°	759.0	757.7	765.1	779.2	798.6	820.7	853.6	879.1	889.1	887.8	887.1
10°	779.2	777.8	777.1	773.1	779.8	801.3	835.5	880.4	914.6	915.3	915.9
12.5°	848.9	852.2	848.9	836.2	821.4	813.4	833.5	883.8	936.1	940.1	956.8
15°	944.1	940.8	934.0	919.3	896.5	872.4	857.6	899.2	966.9	970.3	1007.1
17.5°	1027.9	1030.6	1026.6	1012.5	985.7	954.2	909.2	926.0	999.8	1009.1	1060.8
20°	1119.1	1129.8	1124.5	1107.0	1084.9	1038.0	981.7	964.9	1036.0	1042.7	1116.4
22.5°	1224.4	1235.8	1225.7	1209.0	1190.9	1133.2	1060.8	1012.5	1066.1	1080.2	1170.1
25°	1350.4	1361.2	1351.8	1325.6	1302.8	1232.4	1145.9	1066.1	1095.6	1111.1	1213.7
27.5°	1450.4	1458.4	1467.1	1451.7	1416.8	1343.7	1234.4	1121.8	1125.2	1141.2	1253.9
30°	1539.5	1559.7	1567.0	1569.0	1539.5	1457.7	1325.0	1179.5	1150.6	1167.4	1294.1
32.5°	1661.6	1691.7	1679.7	1691.7	1674.3	1565.0	1418.8	1239.1	1183.5	1198.9	1332.3
35°	1839.9	1864.1	1832.6	1823.2	1795.0	1673.6	1509.4	1300.8	1227.1	1243.8	1368.6
37.5°	2031.7	2059.2	2013.6	1976.1	1922.4	1780.9	1587.1	1382.0	1287.4	1300.8	1402.1
40°	2199.3	2222.1	2182.6	2133.0	2043.1	1875.5	1654.2	1439.0	1347.8	1364.5	1441.0
42.5°	2354.2	2369.0	2324.7	2277.1	2157.1	1960.6	1726.6	1499.3	1418.2	1434.3	1472.5
45°	2511.1	2522.5	2460.8	2393.1	2252.3	2038.4	1806.4	1583.8	1521.4	1542.9	1523.4
47.5°	2539.3	2542.7	2531.9	2486.3	2327.4	2112.8	1905.0	1697.1	1679.0	1702.5	1611.3
50°	2344.2	2374.3	2440.7	2485.7	2357.6	2175.2	2003.5	1859.4	1896.3	1926.4	1793.7
52.5°	1965.3	1994.2	2147.7	2318.0	2285.2	2189.3	2109.5	2065.2	2202.7	2238.9	2041.8
55°	1565.7	1591.2	1753.4	1998.9	2051.2	2124.9	2222.8	2328.1	2593.6	2617.8	2314.0
57.5°	1289.4	1303.5	1419.5	1655.5	1739.4	1919.1	2283.8	2640.6	2991.2	3028.1	2550.7
60°	1057.4	1072.8	1159.3	1353.8	1465.1	1624.7	2235.5	2949.0	3466.0	3466.0	2854.4
62.5°	795.9	809.3	889.8	1042.0	1229.1	1375.3	2081.3	3153.5	3824.0	3807.9	3074.4
65°	546.5	557.2	615.5	716.8	885.1	1172.1	1870.8	3156.2	4061.4	4039.9	3168.3
66°	458.6	468.0	517.6	599.5	740.9	1063.5	1796.4	3099.2	4111.0	4080.9	3128.7
67.5°	362.1	368.8	401.6	449.9	543.1	861.0	1679.0	2937.6	4106.3	4088.2	3028.1
70°	258.8	263.5	287.7	297.7	321.2	498.2	1333.7	2572.8	3777.1	3782.5	2632.5
72.5°	200.5	207.9	222.6	224.6	219.3	264.9	809.3	2146.4	3089.8	3087.8	1953.9
75°	161.6	165.6	173.0	177.0	175.7	171.0	342.6	1601.2	2126.9	2151.7	1094.3
77.5°	127.4	126.7	133.4	138.8	142.8	134.1	156.9	938.7	1115.1	1083.6	411.0
80°	93.9	93.9	103.3	105.3	111.3	112.6	104.6	362.1	382.9	348.0	106.6
82.5°	61.7	61.7	71.7	73.1	79.1	87.8	75.8	108.6	105.9	100.6	48.3
85°	33.5	32.2	35.5	40.2	43.6	51.6	45.6	54.3	55.7	55.0	32.2
87.5°	6.7	6.0	9.4	10.7	12.1	16.1	14.8	22.1	30.8	30.2	14.1
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°	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3	854.3
2.5°	859.6	858.9	866.3	875.0	885.1	891.1	893.8	898.5	895.2	896.5	900.5
5°	872.4	874.4	885.1	896.5	901.2	897.8	890.5	887.8	881.7	880.4	879.1
7.5°	891.1	894.5	905.2	907.9	893.8	870.3	853.6	844.2	834.1	831.5	830.1
10°	922.0	924.0	926.7	899.2	864.3	832.8	812.0	803.3	796.6	791.2	792.6
12.5°	960.9	959.5	938.7	881.7	832.1	799.9	785.9	780.5	775.8	772.5	771.8
15°	1009.8	1000.4	940.8	857.6	802.0	775.1	765.1	763.1	757.7	757.7	757.0
17.5°	1059.4	1035.3	939.4	832.1	773.1	758.4	752.3	751.0	749.7	749.0	751.0
20°	1109.1	1066.1	928.7	800.6	753.0	744.3	742.9	743.6	742.3	744.3	742.9
22.5°	1152.6	1086.3	908.6	767.1	738.9	738.3	734.9	736.2	740.9	741.6	743.6
25°	1186.2	1093.6	879.1	736.2	728.9	727.5	731.5	736.9	740.9	741.6	745.0
27.5°	1213.7	1089.6	842.2	712.1	711.4	718.8	730.9	732.9	733.6	733.6	730.9
30°	1234.4	1080.9	795.2	685.3	688.6	706.7	718.1	718.1	712.8	711.4	715.5
32.5°	1239.1	1069.5	744.3	657.8	663.2	684.6	698.7	694.0	688.0	688.0	690.6
35°	1243.2	1054.1	703.4	620.2	628.3	653.8	667.2	657.8	651.1	649.1	648.4
37.5°	1241.8	1048.0	666.5	572.6	583.4	608.2	616.9	608.2	598.1	593.4	599.5
40°	1243.2	1044.0	620.2	520.3	531.1	545.8	557.2	550.5	541.1	529.0	535.1
42.5°	1251.2	1049.4	569.3	469.4	469.4	477.4	496.9	492.2	469.4	464.7	470.0
45°	1294.1	1078.2	518.3	418.4	411.0	416.4	436.5	416.4	402.3	402.3	407.0
47.5°	1398.1	1131.9	473.4	373.5	356.1	366.8	372.1	353.4	342.6	340.0	344.7
50°	1609.9	1239.1	446.6	336.6	315.1	323.2	319.8	319.2	308.4	309.8	312.5
52.5°	1931.8	1448.3	438.5	318.5	291.7	293.7	290.3	291.7	289.7	296.4	298.4
55°	2282.5	1669.0	448.6	321.2	275.6	261.5	262.8	269.6	277.6	288.3	290.3
57.5°	2544.7	1779.6	474.7	339.3	255.5	234.0	237.4	250.1	265.5	274.2	278.9
60°	2739.8	1766.2	513.0	344.0	231.3	209.2	215.2	234.0	247.4	254.8	259.5
62.5°	2803.5	1682.4	522.3	309.8	199.8	185.7	200.5	219.9	226.0	234.0	237.4
65°	2751.2	1563.7	453.9	251.4	175.7	168.3	189.8	204.5	212.6	216.6	217.3
66°	2689.5	1492.6	417.1	228.7	167.0	162.9	185.7	197.8	205.9	205.2	205.9
67.5°	2554.1	1343.7	357.4	196.5	154.2	154.9	179.0	187.1	189.8	187.7	187.7
70°	2093.4	946.1	256.1	148.9	135.4	144.8	160.9	162.9	169.0	166.3	166.3
72.5°	1290.8	464.7	171.7	114.0	120.7	135.4	134.8	141.5	155.6	159.6	162.3
75°	634.3	188.4	113.3	96.6	108.0	113.3	112.0	128.7	148.9	166.3	172.3
77.5°	240.7	93.9	79.1	84.5	87.2	85.2	89.2	116.7	148.9	180.4	186.4
80°	74.4	65.0	62.4	69.7	65.7	62.4	67.1	96.6	126.1	136.8	136.8
82.5°	44.9	51.0	48.3	47.6	44.3	44.9	48.3	69.1	97.2	101.9	101.9
85°	31.5	33.5	27.5	26.2	25.5	24.8	24.8	40.2	57.7	57.0	59.0
87.5°	12.1	13.4	10.1	10.1	9.4	6.7	5.4	6.7	6.7	4.7	3.4
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)