

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: P836672

Luminaire Tested: **ARCH3-60-722-U-T4W-HSS**

Issue Date: 5/16/2024

Test Information

Test Method: LM-79-08
Report Number: P836672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-60-722-U-T4W-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE IV WIDE OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6208 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

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

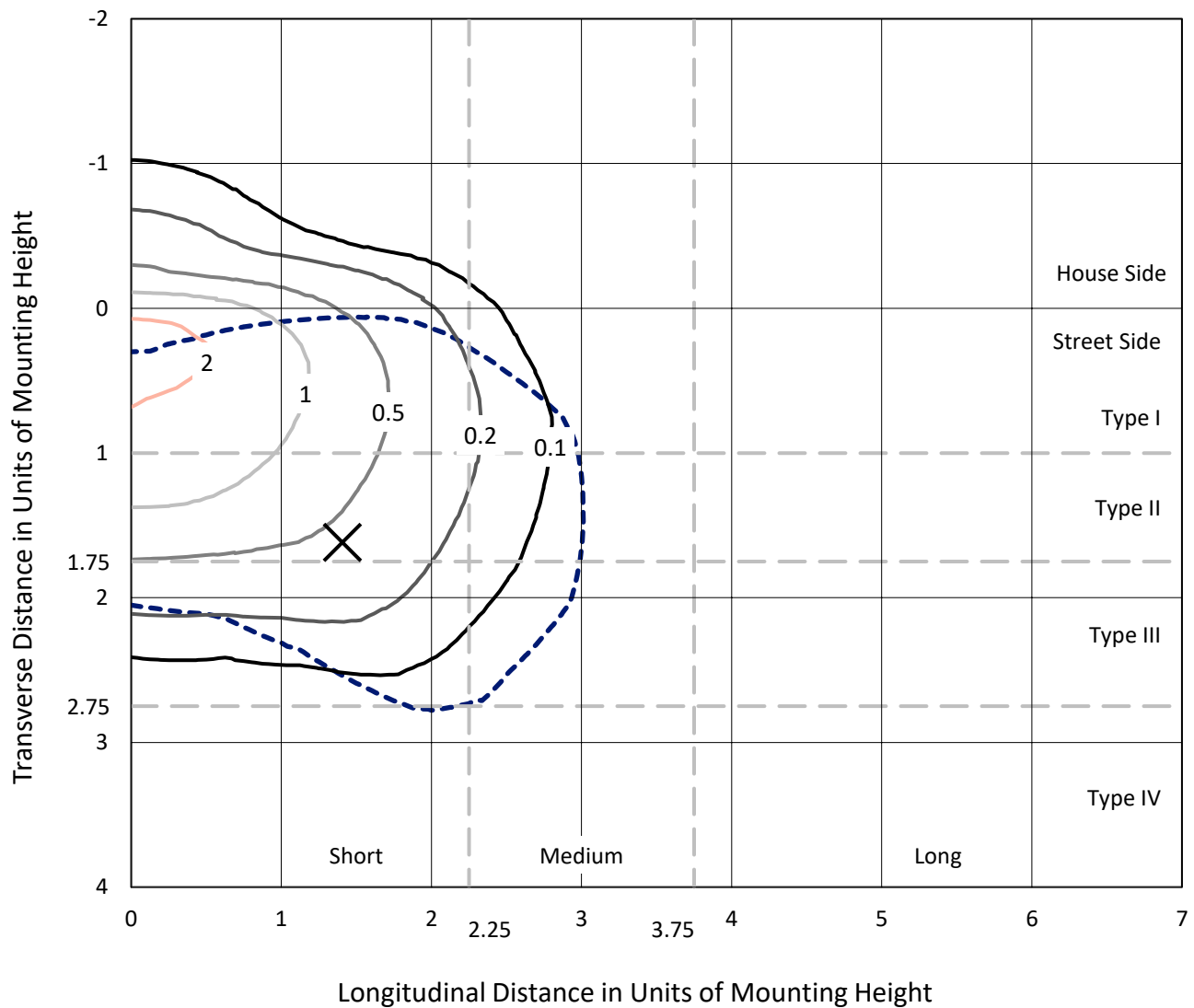


REPORT NUMBER: P836672

CATALOG NUMBER: ARCH3-60-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

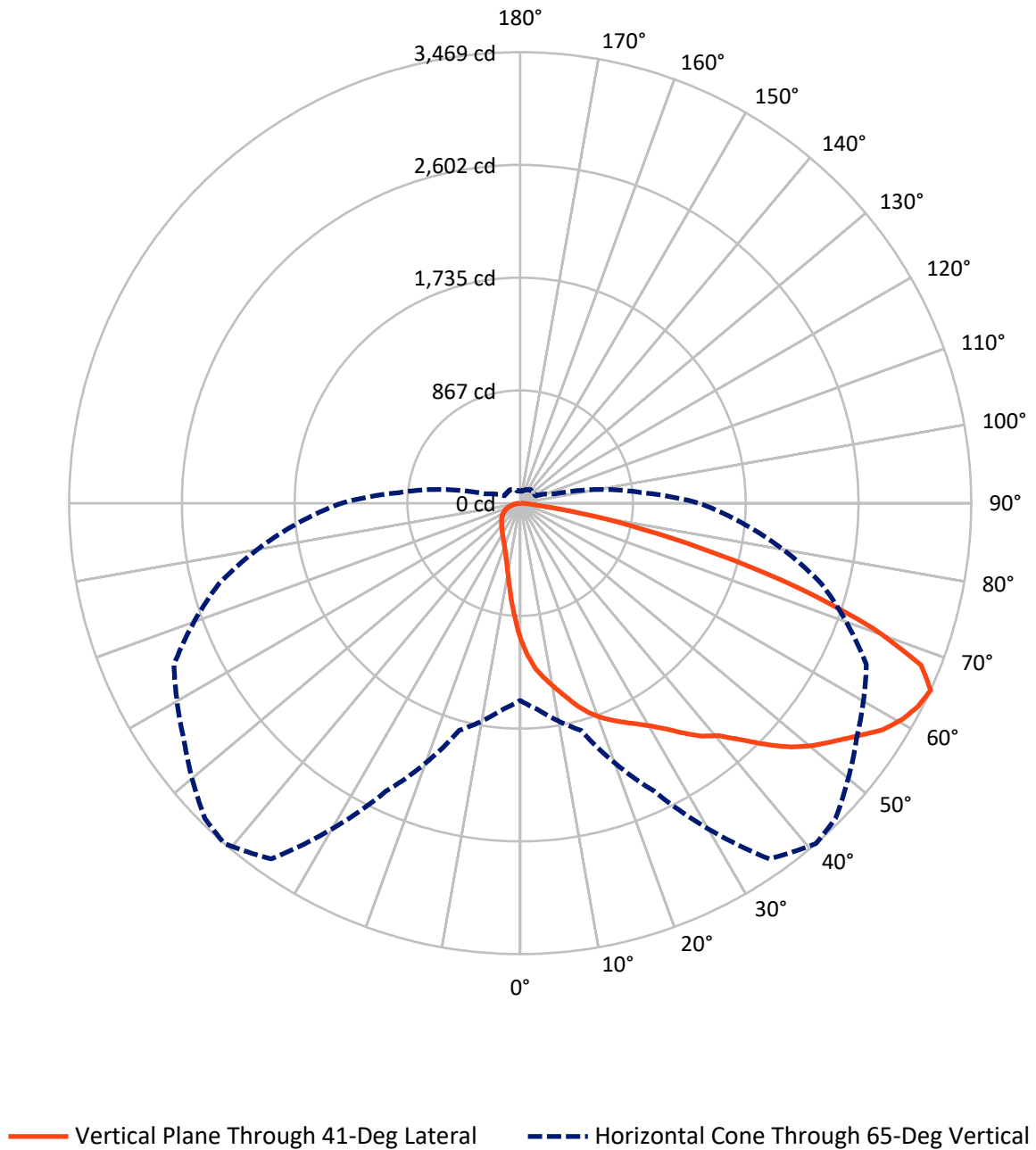
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - N/A

REPORT NUMBER: P836672
CATALOG NUMBER: ARCH3-60-722-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P836672

CATALOG NUMBER: ARCH3-60-722-U-T4W-HSS

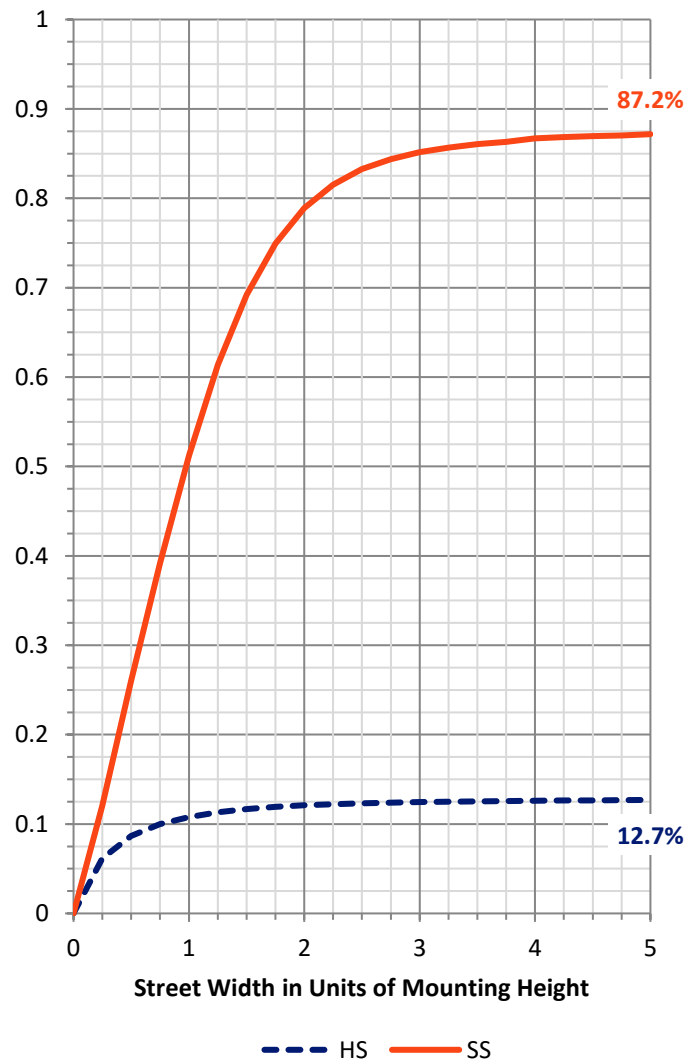
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	797.0	0.0	797.0
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	5411.0	0.0	5411.0
	% Fixture	87.2	0.0	87.2
Total	Lumens	6208.0	0.0	6208.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	1.6
10°-20°	295.5	4.8
20°-30°	508.4	8.2
30°-40°	771.1	12.4
40°-50°	1129.7	18.2
50°-60°	1426.6	23.0
60°-70°	1337.7	21.5
70°-80°	596.2	9.6
80°-90°	44.2	0.7
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°	6208.0	100.0
0°-180°	6208.0	100.0

Coefficient of Utilization



REPORT NUMBER: P836672

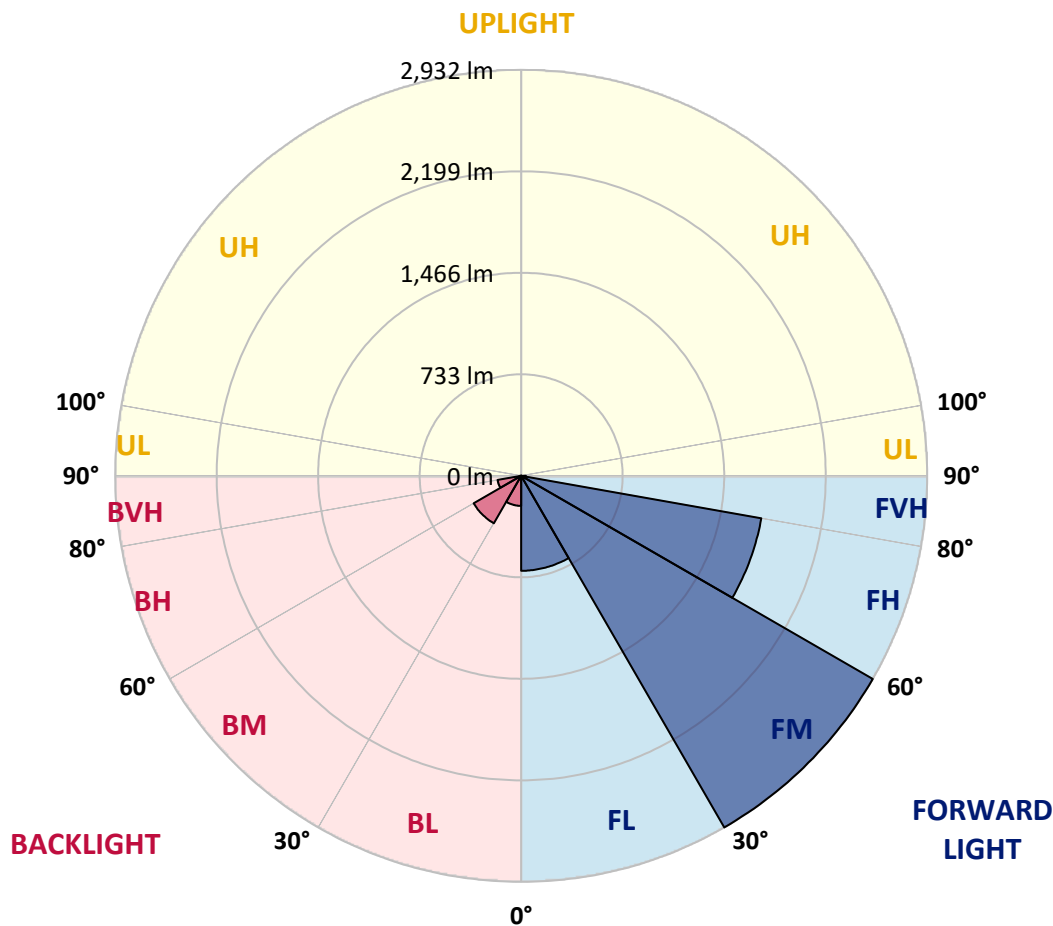
CATALOG NUMBER: ARCH3-60-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	685.6	11.0			
FM	(30°-60°)	2931.7	47.2			
FH	(60°-80°)	1760.7	28.4			G1/1800
FVH	(80°-90°)	33.0	0.5			G1/100
BL	(0°-30°)	216.9	3.5	B1/500		
BM	(30°-60°)	395.8	6.4	B1/1000		
BH	(60°-80°)	173.1	2.8	B1/500		G1/500
BVH	(80°-90°)	11.2	0.2			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 Short



REPORT NUMBER: P836672

CATALOG NUMBER: ARCH3-60-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8
2.5°	1220.1	1216.2	1213.6	1199.2	1199.2	1179.6	1180.9	1162.5	1140.3	1104.9	1067.0
5°	1335.4	1330.1	1323.6	1309.2	1303.9	1284.3	1281.7	1255.5	1217.5	1156.0	1087.9
7.5°	1436.2	1430.9	1421.8	1400.8	1386.4	1362.8	1356.3	1322.3	1280.4	1204.4	1108.9
10°	1527.8	1523.9	1512.1	1485.9	1466.3	1437.5	1425.7	1379.9	1327.5	1243.7	1125.9
12.5°	1620.8	1615.5	1599.8	1577.6	1554.0	1519.9	1505.5	1446.6	1379.9	1286.9	1150.8
15°	1707.2	1699.3	1687.5	1664.0	1643.0	1610.3	1594.6	1525.2	1444.0	1335.4	1183.5
17.5°	1763.5	1756.9	1746.4	1733.3	1716.3	1691.4	1675.7	1607.7	1508.2	1382.5	1217.5
20°	1797.5	1794.9	1790.9	1783.1	1775.2	1758.2	1746.4	1682.3	1577.6	1428.3	1250.3
22.5°	1823.7	1821.1	1819.7	1819.7	1821.1	1814.5	1806.7	1751.7	1644.3	1476.7	1280.4
25°	1864.3	1863.0	1860.3	1857.7	1866.9	1868.2	1865.6	1827.6	1728.1	1540.9	1318.3
27.5°	1920.6	1916.6	1911.4	1908.8	1917.9	1924.5	1929.7	1903.5	1817.1	1606.4	1361.5
30°	2007.0	1995.2	1982.1	1972.9	1979.5	1989.9	2001.7	1986.0	1908.8	1687.5	1406.1
32.5°	2109.1	2094.7	2064.6	2047.5	2064.6	2072.4	2081.6	2073.7	2004.3	1775.2	1450.6
35°	2233.4	2216.4	2185.0	2160.1	2190.2	2173.2	2169.3	2161.4	2094.7	1861.6	1500.3
37.5°	2440.3	2415.4	2365.7	2310.7	2310.7	2274.0	2259.6	2236.1	2175.8	1938.9	1548.8
40°	2679.9	2647.1	2583.0	2501.8	2427.2	2351.3	2342.1	2325.1	2271.4	2027.9	1603.7
42.5°	2943.0	2880.2	2791.2	2693.0	2572.5	2486.1	2465.2	2416.7	2364.4	2118.2	1658.7
45°	3235.0	3104.0	2974.4	2924.7	2725.7	2647.1	2607.9	2520.2	2461.2	2212.5	1716.3
47.5°	3282.1	3180.0	3093.6	3085.7	2868.4	2802.9	2758.4	2632.7	2566.0	2313.3	1776.5
50°	3255.9	3194.4	3203.5	3172.1	2973.1	2929.9	2895.9	2753.2	2669.4	2410.2	1831.5
52.5°	3145.9	3180.0	3232.3	3174.7	3072.6	3037.3	3020.3	2882.8	2766.3	2499.2	1881.3
55°	3015.0	3038.6	3151.2	3221.9	3187.8	3156.4	3140.7	3033.4	2861.8	2573.8	1927.1
57.5°	2823.9	2813.4	2937.8	3214.0	3308.3	3289.9	3272.9	3181.3	2950.9	2627.5	1955.9
60°	2537.2	2514.9	2672.0	3056.9	3347.6	3376.4	3368.5	3279.5	3018.9	2626.2	1944.1
62.5°	2041.0	2096.0	2313.3	2800.3	3364.6	3437.9	3423.5	3287.3	3041.2	2550.3	1869.5
65°	1517.3	1595.9	1809.3	2446.8	3341.0	3469.3	3430.0	3159.0	2937.8	2399.7	1705.9
67.5°	1093.2	1162.5	1318.3	2013.5	3114.5	3325.3	3279.5	2949.6	2699.5	2186.3	1479.4
70°	747.5	797.3	903.3	1466.3	2658.9	2874.9	2846.1	2636.7	2323.8	1932.3	1201.8
72.5°	527.6	548.5	616.6	967.5	2020.1	2255.7	2221.7	2169.3	1866.9	1606.4	934.7
75°	395.4	408.5	445.1	625.8	1362.8	1563.2	1531.7	1561.8	1394.3	1216.2	680.8
77.5°	149.2	162.3	252.7	399.3	806.4	959.6	928.2	946.5	775.0	614.0	339.1
80°	40.6	43.2	83.8	189.8	366.6	477.8	434.6	373.1	288.0	282.8	179.4
82.5°	17.0	19.6	38.0	102.1	130.9	130.9	110.0	136.2	110.0	132.2	86.4
85°	6.5	7.9	9.2	26.2	17.0	18.3	19.6	26.2	22.3	27.5	19.6
87.5°	0.0	0.0	0.0	1.3	1.3	2.6	1.3	2.6	3.9	3.9	3.9
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: P836672

CATALOG NUMBER: ARCH3-60-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8	1057.8
2.5°	1051.3	1036.9	1015.9	981.9	946.5	926.9	902.0	898.1	871.9	869.3	858.8
5°	1057.8	1027.7	974.0	908.6	844.4	794.7	758.0	738.4	700.4	700.4	689.9
7.5°	1063.0	1015.9	929.5	832.6	744.9	678.2	628.4	607.5	573.4	570.8	562.9
10°	1064.4	1001.5	881.1	755.4	648.0	580.0	531.5	508.0	477.8	475.2	470.0
12.5°	1074.8	993.7	837.9	688.6	578.7	505.3	458.2	438.6	415.0	412.4	407.2
15°	1091.8	993.7	801.2	632.3	517.1	449.0	408.5	390.1	373.1	370.5	367.9
17.5°	1108.9	991.0	764.6	580.0	466.1	404.5	369.2	354.8	341.7	340.4	337.8
20°	1124.6	989.7	727.9	535.5	426.8	367.9	340.4	327.3	316.8	316.8	315.5
22.5°	1140.3	987.1	692.6	493.6	392.8	340.4	316.8	302.4	294.6	294.6	293.3
25°	1163.9	987.1	659.8	458.2	365.3	319.4	295.9	285.4	278.9	277.5	277.5
27.5°	1191.3	995.0	631.0	426.8	341.7	298.5	280.2	269.7	261.8	259.2	260.5
30°	1221.5	1001.5	604.8	399.3	319.4	282.8	263.1	252.7	244.8	242.2	243.5
32.5°	1251.6	1009.4	581.3	374.4	297.2	268.4	248.7	237.0	229.1	227.8	227.8
35°	1284.3	1017.2	557.7	353.5	278.9	254.0	235.7	222.6	217.3	214.7	216.0
37.5°	1317.0	1030.3	535.5	333.8	265.8	240.9	223.9	210.8	206.8	205.5	205.5
40°	1356.3	1050.0	526.3	320.7	254.0	229.1	214.7	201.6	197.7	197.7	197.7
42.5°	1389.0	1065.7	518.4	306.3	244.8	218.6	205.5	195.1	192.4	191.1	192.4
45°	1421.8	1080.1	508.0	293.3	233.0	208.2	197.7	187.2	184.6	184.6	184.6
47.5°	1454.5	1087.9	493.6	280.2	222.6	199.0	189.8	180.7	178.0	178.0	178.0
50°	1480.7	1094.5	472.6	265.8	210.8	191.1	182.0	172.8	170.2	170.2	170.2
52.5°	1506.9	1095.8	450.4	248.7	199.0	182.0	174.1	165.0	162.3	161.0	161.0
55°	1530.4	1094.5	424.2	229.1	185.9	171.5	165.0	157.1	151.9	146.6	149.2
57.5°	1547.4	1093.2	394.1	209.5	172.8	161.0	158.4	147.9	137.5	124.4	127.0
60°	1540.9	1078.8	361.3	184.6	158.4	150.6	150.6	136.2	117.8	111.3	112.6
62.5°	1499.0	1038.2	327.3	158.4	144.0	140.1	138.8	123.1	108.7	102.1	103.4
65°	1373.3	936.1	277.5	134.8	129.6	128.3	128.3	113.9	100.8	93.0	94.3
67.5°	1182.2	785.5	226.5	113.9	115.2	117.8	117.8	104.7	91.6	83.8	85.1
70°	947.8	614.0	180.7	98.2	99.5	103.4	106.0	94.3	82.5	74.6	74.6
72.5°	713.5	466.1	145.3	82.5	89.0	89.0	93.0	83.8	72.0	64.1	65.5
75°	517.1	333.8	115.2	69.4	77.2	75.9	75.9	70.7	61.5	56.3	56.3
77.5°	244.8	175.4	91.6	49.7	60.2	58.9	60.2	56.3	52.4	47.1	48.4
80°	120.4	86.4	58.9	35.3	41.9	43.2	47.1	44.5	43.2	39.3	39.3
82.5°	57.6	34.0	27.5	24.9	28.8	30.1	32.7	32.7	34.0	31.4	31.4
85°	15.7	9.2	11.8	15.7	18.3	19.6	22.3	23.6	23.6	22.3	23.6
87.5°	3.9	3.9	5.2	7.9	9.2	10.5	11.8	11.8	5.2	0.0	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)