

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208530

Luminaire Tested: UPW-SA1-070-730-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7161 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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: 28.75 FT

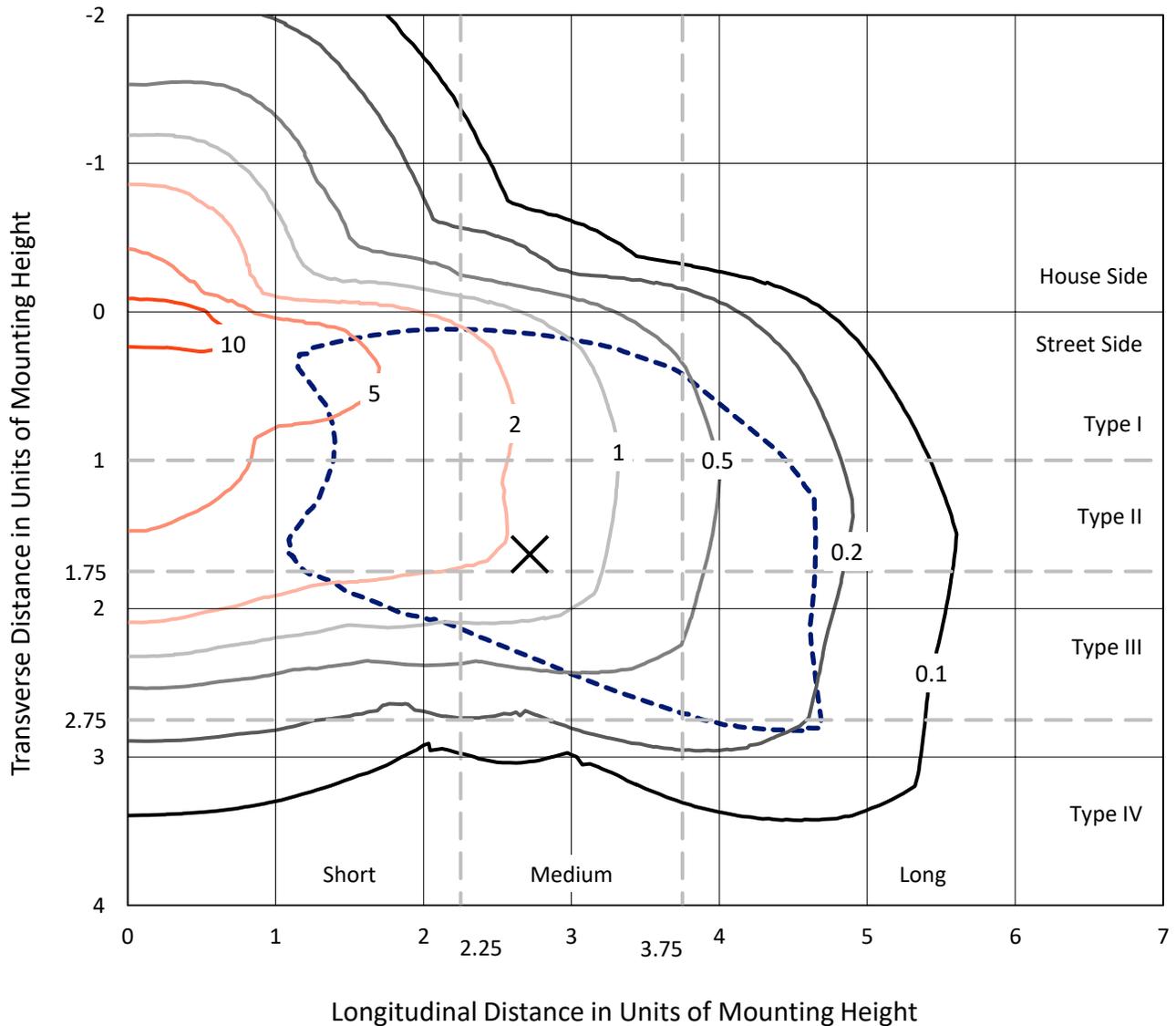


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

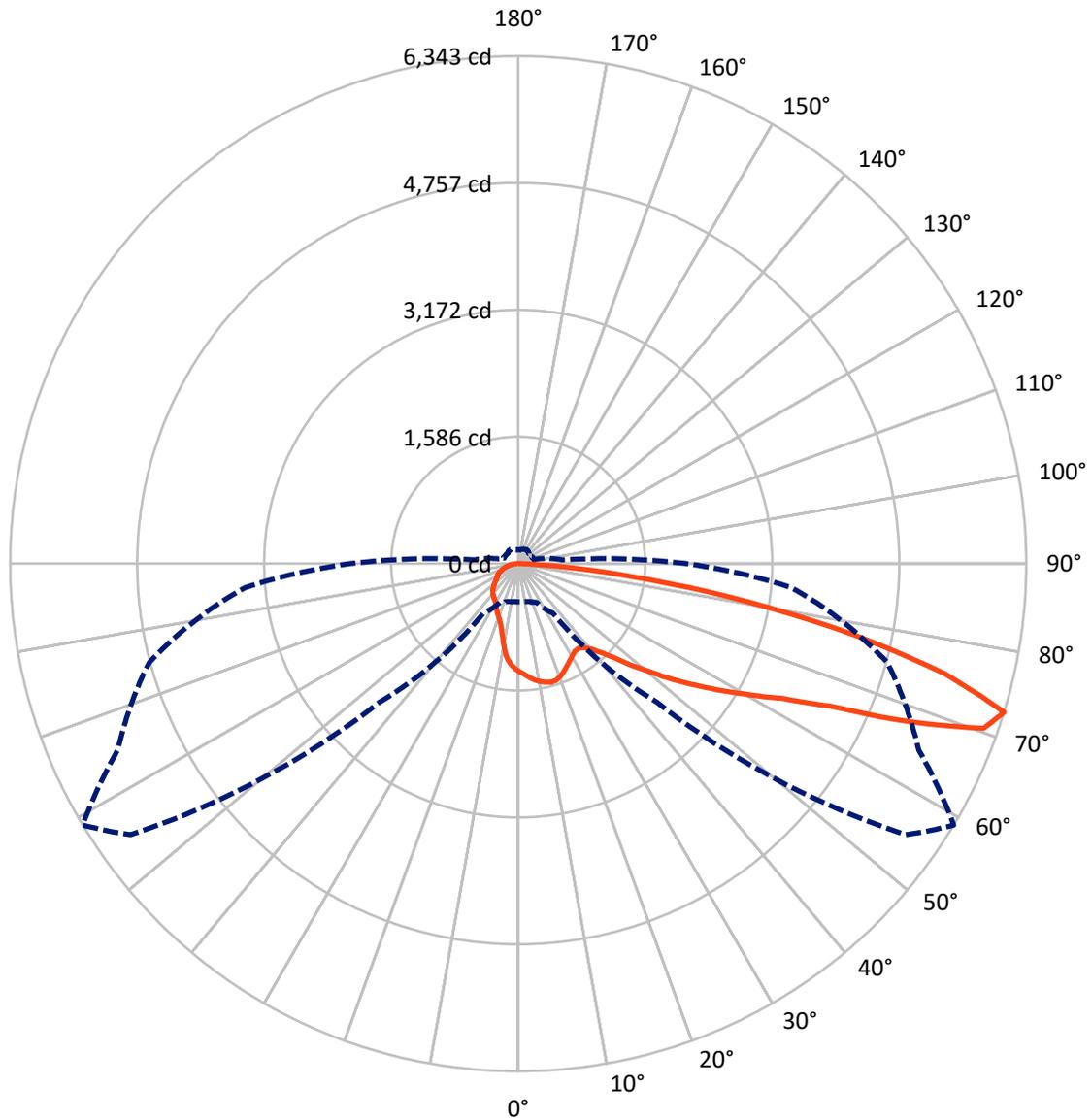


Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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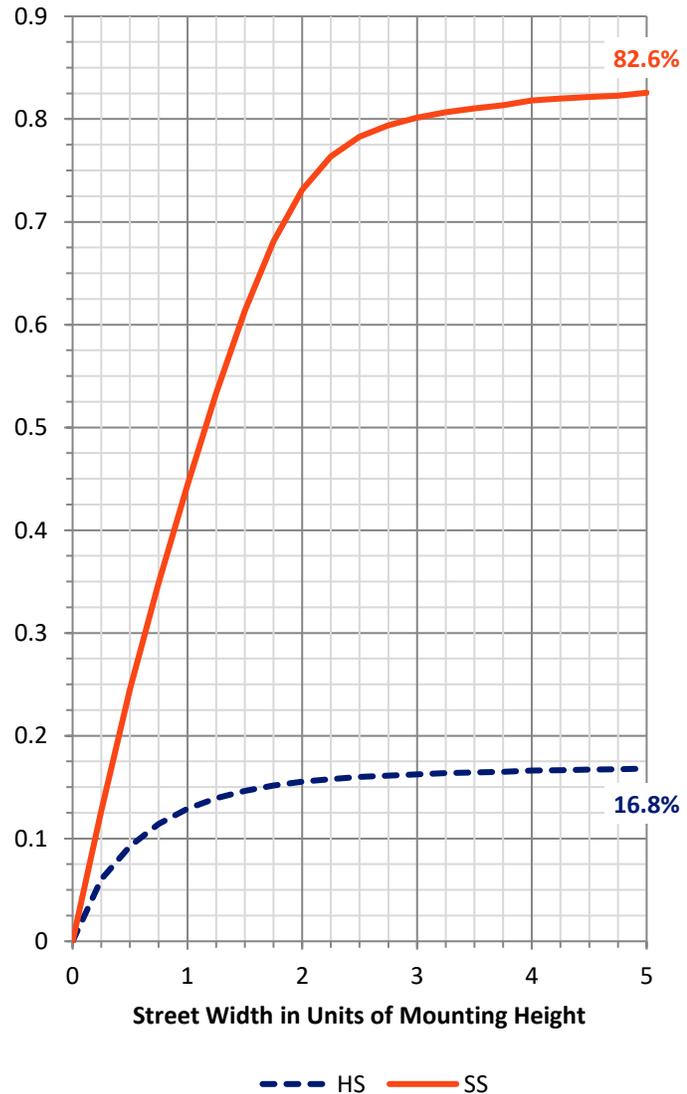
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1218.5	0.0	1218.5
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	5942.5	0.0	5942.5
	% Fixture	83.0	0.0	83.0
Total	Lumens	7161.0	0.0	7161.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	1.7
10°-20°	309.3	4.3
20°-30°	454.9	6.4
30°-40°	625.0	8.7
40°-50°	933.6	13.0
50°-60°	1422.9	19.9
60°-70°	1823.7	25.5
70°-80°	1260.7	17.6
80°-90°	209.7	2.9
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°	7161.0	100.0
0°-180°	7161.0	100.0



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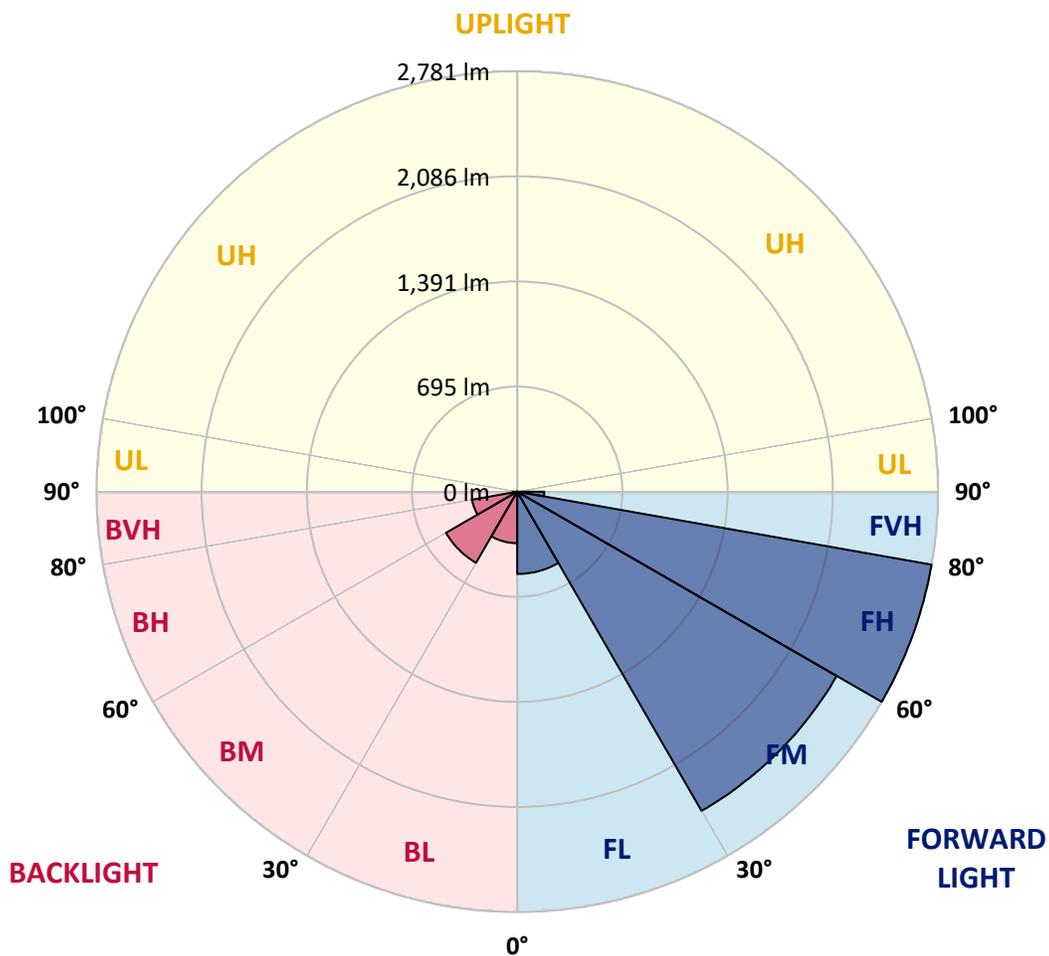
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.5	7.6			
FM	(30°-60°)	2438.0	34.0			
FH	(60°-80°)	2781.1	38.8			G2/5000
FVH	(80°-90°)	178.9	2.5			G2/225
BL	(0°-30°)	341.0	4.8	B1/500		
BM	(30°-60°)	543.5	7.6	B1/1000		
BH	(60°-80°)	303.2	4.2	B1/500		G1/500
BVH	(80°-90°)	30.8	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2
2.5°	1405.8	1401.9	1403.8	1406.8	1398.9	1399.9	1389.9	1382.0	1376.0	1372.1	1363.1
5°	1440.6	1430.7	1434.6	1443.6	1434.6	1442.6	1431.6	1425.7	1415.8	1409.8	1389.9
7.5°	1411.8	1404.8	1414.8	1437.6	1448.5	1469.4	1471.4	1467.4	1463.4	1450.5	1425.7
10°	1278.8	1274.8	1300.6	1361.2	1411.8	1462.4	1496.2	1496.2	1498.2	1489.2	1459.4
12.5°	1110.0	1107.0	1140.7	1215.2	1314.5	1430.7	1511.1	1520.0	1535.9	1532.9	1495.2
15°	997.8	995.8	1022.6	1082.2	1184.4	1349.2	1509.1	1538.9	1571.6	1578.6	1531.9
17.5°	940.2	940.2	959.1	1004.7	1075.2	1236.1	1465.4	1530.9	1597.4	1630.2	1573.6
20°	924.3	922.3	933.2	961.0	1009.7	1134.8	1399.9	1503.1	1617.3	1671.9	1600.4
22.5°	932.3	930.3	934.2	948.1	975.9	1067.3	1329.4	1461.4	1628.2	1708.6	1624.3
25°	971.0	969.0	964.0	963.0	969.0	1035.5	1257.9	1414.8	1639.1	1761.3	1653.0
27.5°	1046.4	1040.5	1023.6	1007.7	991.8	1028.6	1212.2	1373.1	1653.0	1804.9	1670.9
30°	1143.7	1141.7	1120.9	1091.1	1038.5	1044.4	1183.4	1334.3	1653.0	1838.7	1669.9
32.5°	1215.2	1216.2	1212.2	1194.4	1119.9	1080.2	1172.5	1302.6	1650.1	1885.4	1673.9
35°	1290.7	1290.7	1280.7	1280.7	1232.1	1149.7	1188.4	1299.6	1666.9	1962.8	1702.7
37.5°	1418.7	1416.8	1395.9	1375.1	1339.3	1261.9	1235.1	1328.4	1713.6	2086.9	1741.4
40°	1587.5	1591.5	1548.8	1491.2	1449.5	1391.9	1322.4	1401.9	1786.1	2234.8	1791.0
42.5°	1791.0	1802.0	1735.4	1656.0	1583.5	1508.1	1444.6	1519.0	1914.2	2445.3	1876.4
45°	2041.2	2030.3	1946.9	1840.7	1745.4	1617.3	1578.6	1670.9	2080.9	2730.3	2007.5
47.5°	2258.7	2264.6	2162.4	2046.2	1928.1	1750.3	1748.4	1893.3	2301.4	3022.1	2158.4
50°	2470.1	2488.0	2374.8	2252.7	2126.6	1899.3	1962.8	2113.7	2537.6	3320.0	2345.0
52.5°	2635.9	2647.8	2542.6	2437.4	2312.3	2095.8	2216.0	2396.7	2776.9	3604.9	2559.5
55°	2767.0	2783.9	2665.7	2578.3	2483.0	2310.3	2505.9	2675.6	3025.1	3870.0	2778.9
57.5°	2944.7	2954.6	2805.7	2729.3	2639.9	2554.5	2824.6	2989.4	3291.2	4095.4	3006.3
60°	3080.7	3086.7	2932.8	2909.0	2907.0	2891.1	3179.0	3325.9	3541.4	4305.9	3238.6
62.5°	2962.6	2962.6	2856.3	2922.9	3164.1	3444.1	3670.4	3714.1	3799.5	4510.4	3462.0
65°	2347.0	2370.9	2382.8	2606.1	3145.2	4010.0	4485.6	4292.9	4122.2	4698.0	3644.6
67.5°	1232.1	1279.7	1389.9	1775.2	2593.2	4216.5	5530.0	5274.8	4579.9	4824.1	3716.1
70°	627.5	641.4	698.9	914.4	1632.2	3673.4	6150.5	6165.4	5125.9	4878.7	3664.5
72.5°	476.6	476.6	489.5	532.2	754.5	2450.3	5907.3	6343.1	5517.1	4768.5	3421.3
75°	397.1	402.1	427.9	433.9	381.2	1271.8	4791.3	5503.2	5101.1	4364.4	2988.4
77.5°	318.7	321.7	362.4	386.2	257.1	544.1	3493.7	4294.9	3933.5	3527.5	2104.8
80°	240.3	245.2	282.0	330.6	190.6	261.1	2354.0	2937.7	2461.2	2162.4	972.0
82.5°	160.8	162.8	192.6	261.1	141.0	145.0	1387.0	1646.1	1196.3	810.1	255.2
85°	98.3	100.3	120.1	168.8	93.3	77.4	615.5	636.4	378.3	192.6	91.3
87.5°	44.7	49.6	62.5	81.4	46.7	31.8	103.3	101.3	74.5	69.5	38.7
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°	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2	1348.2
2.5°	1350.2	1339.3	1328.4	1313.5	1300.6	1278.8	1263.9	1249.0	1241.0	1239.0	1236.1
5°	1374.1	1355.2	1323.4	1281.7	1236.1	1184.4	1135.8	1093.1	1064.3	1055.4	1059.3
7.5°	1401.9	1375.1	1312.5	1232.1	1139.8	1038.5	953.1	897.5	862.8	842.9	846.9
10°	1426.7	1388.0	1288.7	1153.7	995.8	868.7	801.2	762.5	744.6	742.6	741.6
12.5°	1451.5	1400.9	1251.9	1041.5	866.7	766.5	732.7	721.8	719.8	721.8	720.8
15°	1480.3	1407.8	1189.4	925.3	775.4	723.8	712.8	709.9	710.9	715.8	714.8
17.5°	1504.1	1404.8	1092.1	820.1	726.7	702.9	693.0	688.0	693.0	701.9	701.9
20°	1512.1	1376.0	979.9	746.6	699.9	680.1	666.2	658.2	664.2	675.1	677.1
22.5°	1506.1	1321.4	864.7	695.0	672.1	653.3	638.4	630.4	633.4	641.4	642.4
25°	1497.2	1250.0	763.5	655.3	636.4	621.5	617.5	607.6	602.6	607.6	608.6
27.5°	1470.4	1155.6	680.1	614.6	596.7	598.7	596.7	587.7	580.8	579.8	581.8
30°	1410.8	1024.6	617.5	572.9	566.9	577.8	577.8	564.9	552.0	550.0	553.0
32.5°	1339.3	890.6	565.9	538.1	550.0	556.0	556.0	545.1	532.2	524.2	528.2
35°	1268.8	763.5	526.2	514.3	537.1	542.1	537.1	533.1	512.3	492.4	497.4
37.5°	1187.4	654.3	491.4	496.4	522.2	524.2	524.2	510.3	482.5	465.6	469.6
40°	1099.0	571.9	462.7	480.5	506.3	506.3	498.4	489.5	475.6	458.7	460.7
42.5°	1042.5	516.3	440.8	463.6	481.5	487.5	469.6	476.6	464.6	446.8	448.8
45°	1034.5	481.5	422.9	437.8	453.7	451.7	452.7	457.7	446.8	422.9	421.9
47.5°	1083.2	470.6	406.1	409.0	422.9	429.9	435.8	437.8	421.9	396.1	392.2
50°	1191.4	489.5	389.2	383.2	395.1	411.0	417.0	420.0	401.1	374.3	370.3
52.5°	1358.2	548.0	374.3	361.4	360.4	388.2	405.1	413.0	383.2	354.4	352.5
55°	1542.8	627.5	354.4	342.5	331.6	370.3	395.1	404.1	366.3	328.6	325.6
57.5°	1739.4	721.8	331.6	323.7	310.8	353.4	377.3	384.2	340.5	297.8	295.9
60°	1944.9	806.2	309.8	302.8	295.9	330.6	355.4	357.4	316.7	274.0	272.0
62.5°	2130.6	863.8	288.9	281.0	281.0	303.8	329.6	327.6	291.9	252.2	250.2
65°	2267.6	856.8	270.0	260.1	264.1	275.0	297.8	290.9	265.1	231.3	229.3
67.5°	2323.2	783.3	252.2	241.3	242.2	245.2	264.1	259.1	238.3	210.5	209.5
70°	2265.6	651.3	229.3	215.4	213.5	214.4	233.3	224.4	209.5	191.6	190.6
72.5°	2093.9	546.1	203.5	191.6	187.6	184.7	200.5	196.6	185.7	170.8	171.8
75°	1835.7	471.6	175.7	167.8	160.8	157.9	170.8	168.8	160.8	150.9	150.9
77.5°	1282.7	344.5	145.0	142.0	138.0	132.0	142.0	143.0	138.0	135.0	134.0
80°	556.0	192.6	114.2	116.2	111.2	107.2	115.2	116.2	120.1	116.2	117.2
82.5°	160.8	95.3	82.4	88.4	86.4	82.4	86.4	95.3	89.4	78.4	80.4
85°	59.6	45.7	51.6	55.6	52.6	41.7	54.6	62.5	56.6	52.6	53.6
87.5°	22.8	16.9	21.8	18.9	14.9	10.9	18.9	20.8	27.8	10.9	8.9
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)