

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: P1208370

Luminaire Tested: UPW-SA1-060-750-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-750-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7370 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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

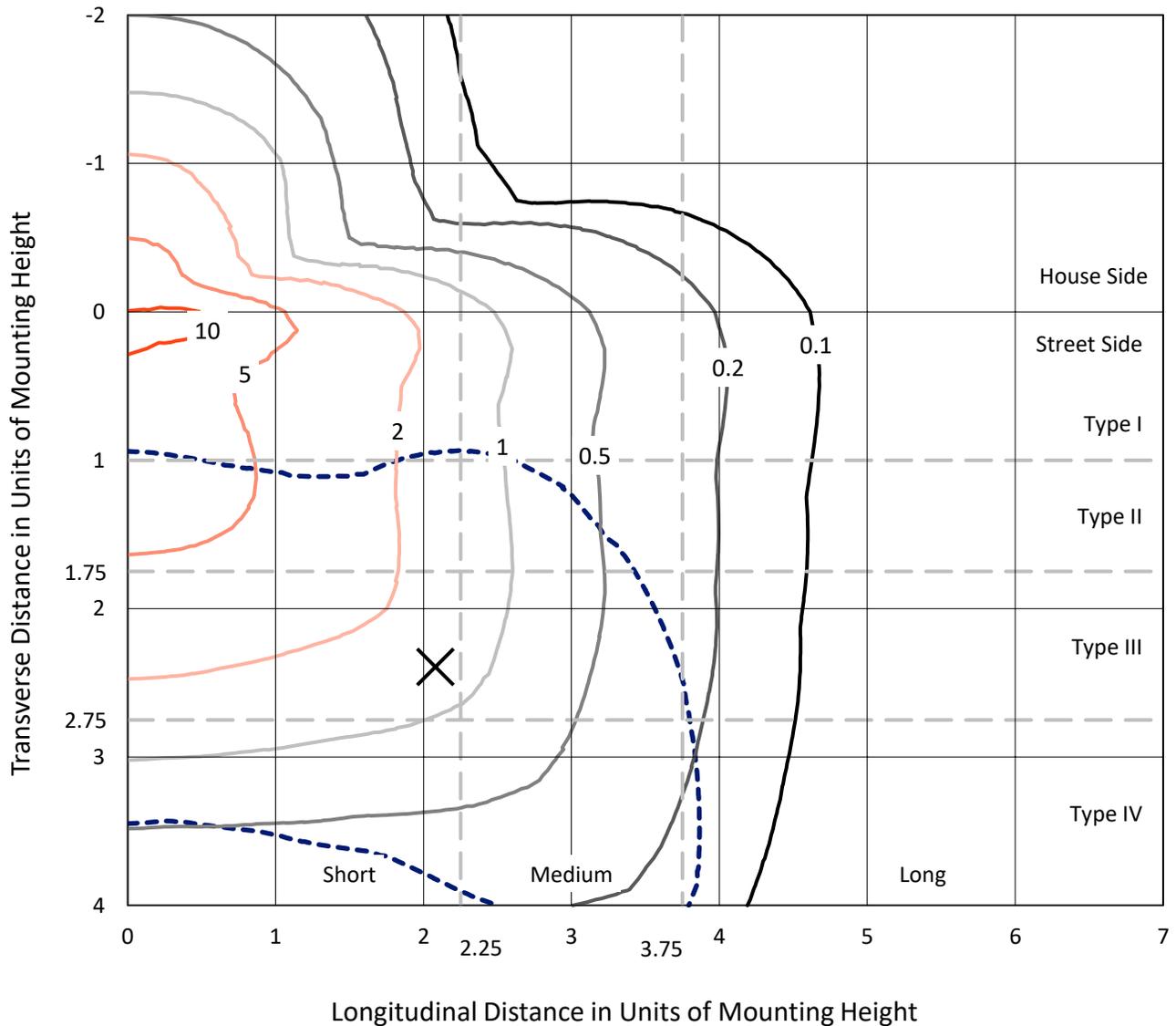


REPORT NUMBER: P1208370

CATALOG NUMBER: UPW-SA1-060-750-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

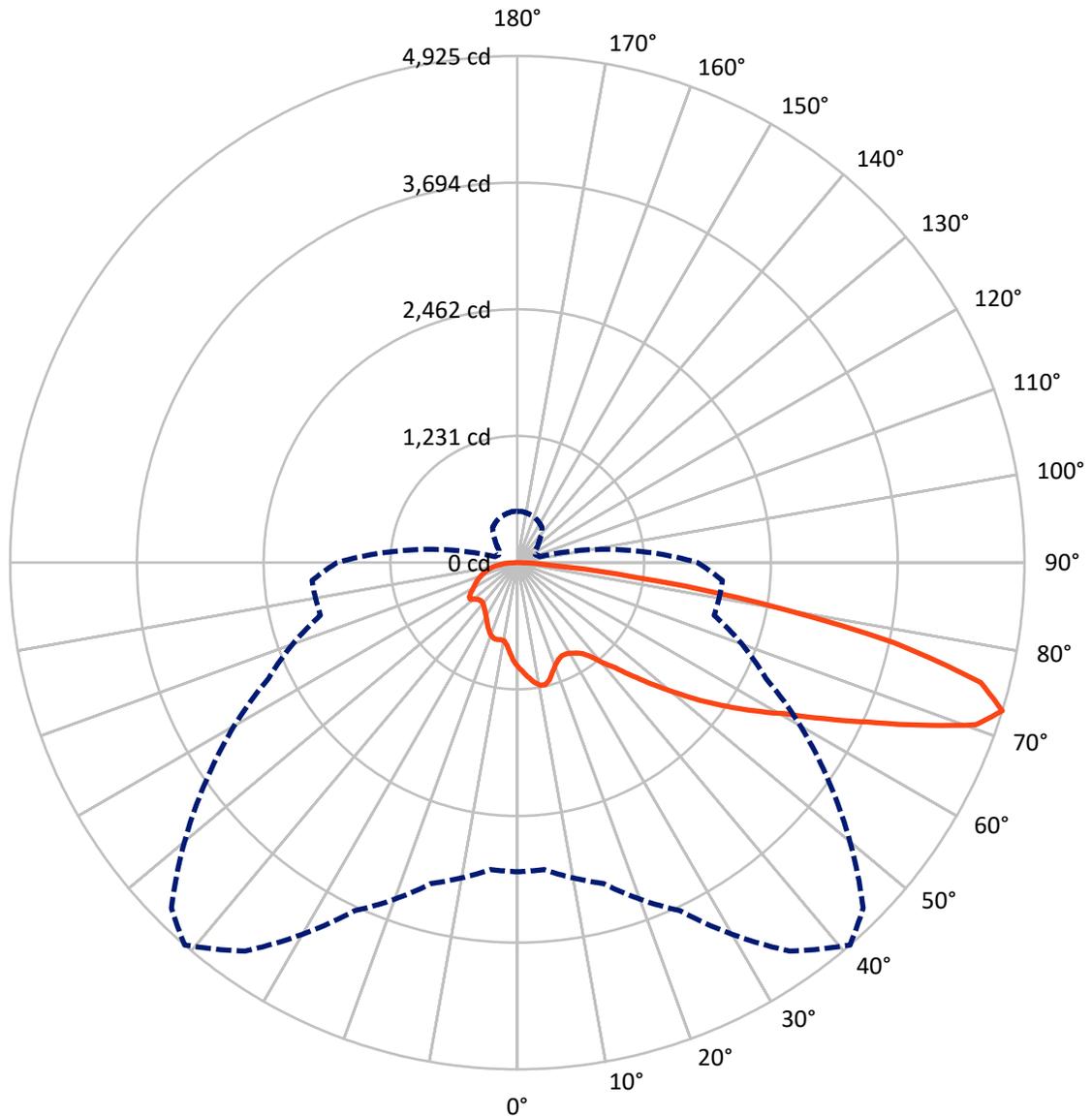


Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1208370

CATALOG NUMBER: UPW-SA1-060-750-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1208370

CATALOG NUMBER: UPW-SA1-060-750-U-SL4

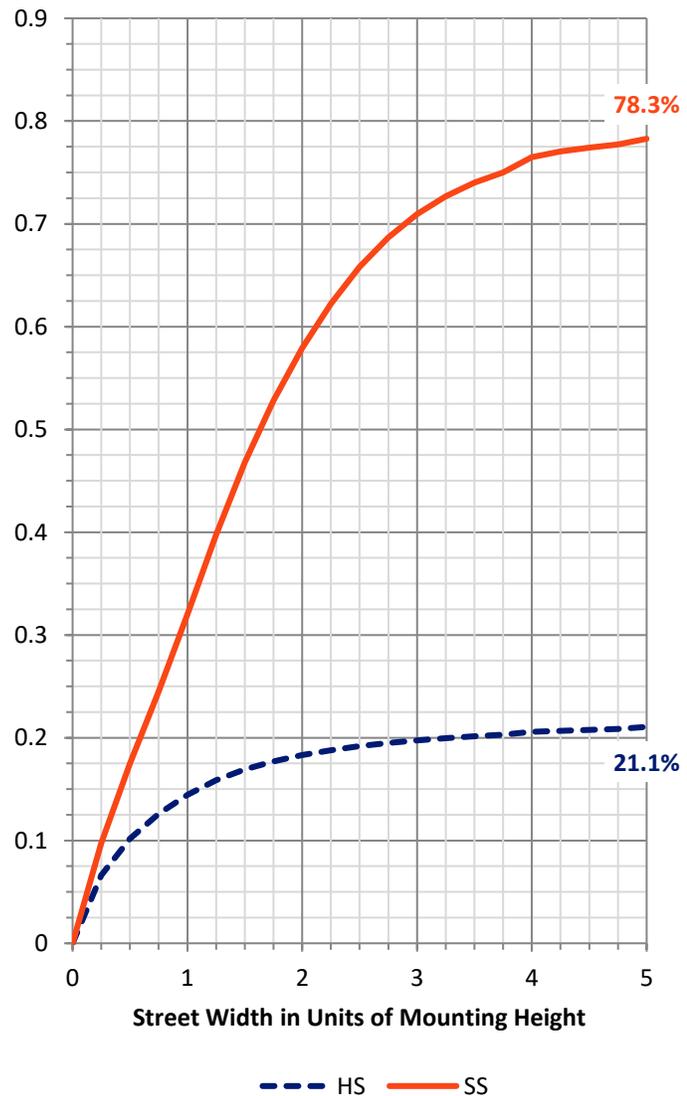
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1594.8	0.0	1594.8
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5775.2	0.0	5775.2
	% Fixture	78.4	0.0	78.4
Total	Lumens	7370.0	0.0	7370.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.3
10°-20°	291.1	3.9
20°-30°	447.4	6.1
30°-40°	615.0	8.3
40°-50°	937.1	12.7
50°-60°	1383.9	18.8
60°-70°	1817.4	24.7
70°-80°	1557.2	21.1
80°-90°	224.4	3.0
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°	7370.0	100.0
0°-180°	7370.0	100.0



REPORT NUMBER: P1208370

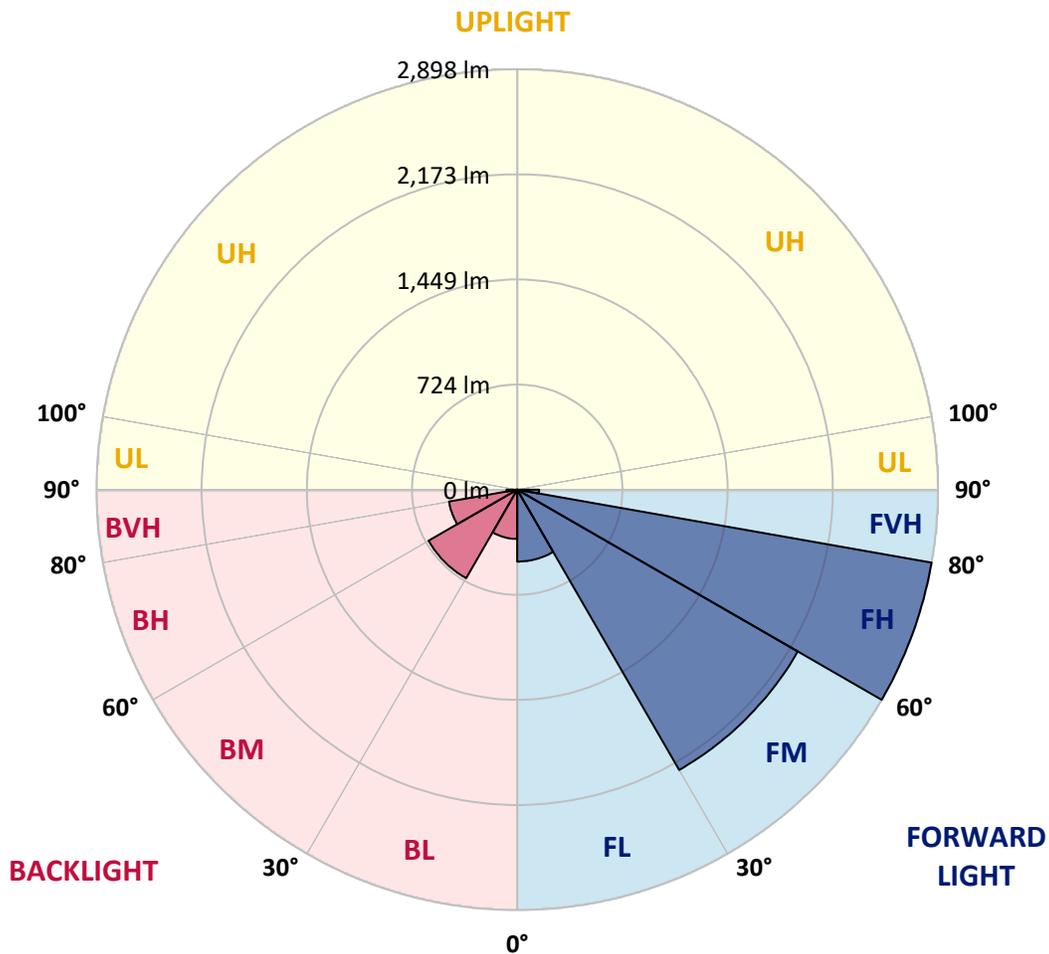
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.7	6.7			
FM	(30°-60°)	2231.2	30.3			
FH	(60°-80°)	2897.7	39.3			G2/5000
FVH	(80°-90°)	150.7	2.0			G2/225
BL	(0°-30°)	339.4	4.6	B1/500		
BM	(30°-60°)	704.8	9.6	B1/1000		
BH	(60°-80°)	476.9	6.5	B1/500		G1/500
BVH	(80°-90°)	73.7	1.0			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 IV Short





REPORT NUMBER: P1208370

CATALOG NUMBER: UPW-SA1-060-750-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	1078.6	1075.4	1075.4	1073.0	1068.9	1063.2	1062.4	1055.1	1047.8	1037.3	1026.8
5°	1141.0	1136.2	1134.5	1131.3	1127.3	1119.1	1120.0	1107.0	1091.6	1071.3	1050.3
7.5°	1185.6	1182.4	1181.5	1182.4	1176.7	1172.6	1172.6	1157.2	1141.8	1120.0	1087.5
10°	1201.0	1196.9	1200.2	1207.5	1213.2	1212.3	1216.4	1210.7	1199.4	1180.7	1135.4
12.5°	1173.4	1173.4	1175.1	1184.8	1203.4	1218.0	1231.0	1254.5	1265.0	1248.8	1192.1
15°	1131.3	1128.9	1126.4	1130.5	1153.2	1177.5	1205.0	1268.3	1314.5	1313.6	1252.1
17.5°	1106.2	1104.6	1087.5	1071.3	1083.5	1111.9	1146.7	1248.0	1346.1	1372.8	1312.0
20°	1091.6	1088.4	1068.1	1035.7	1030.8	1060.0	1086.7	1206.7	1350.9	1429.5	1368.7
22.5°	1079.4	1077.8	1051.9	1008.9	996.8	1021.1	1048.6	1156.4	1333.1	1466.8	1419.0
25°	1085.1	1081.9	1049.5	998.4	983.8	1004.1	1028.4	1116.7	1301.5	1487.9	1459.5
27.5°	1112.7	1112.7	1069.7	1008.9	990.3	1004.1	1022.7	1094.8	1267.4	1493.5	1496.8
30°	1175.9	1173.4	1119.1	1045.4	1015.4	1021.1	1034.1	1087.5	1234.2	1483.0	1521.1
32.5°	1286.9	1278.8	1211.5	1111.0	1052.7	1047.0	1049.5	1082.7	1200.2	1464.4	1544.6
35°	1488.7	1466.8	1363.9	1226.9	1119.1	1084.3	1074.6	1087.5	1179.9	1451.4	1566.5
37.5°	1757.7	1726.9	1599.7	1406.0	1234.2	1159.7	1126.4	1111.0	1176.7	1436.0	1587.6
40°	2013.8	1995.2	1844.4	1618.3	1383.3	1278.8	1224.5	1146.7	1180.7	1426.3	1616.7
42.5°	2340.4	2310.4	2135.4	1841.2	1547.0	1396.3	1317.7	1194.5	1206.7	1432.8	1650.0
45°	2692.1	2686.4	2468.4	2115.1	1751.3	1570.5	1470.9	1284.5	1256.9	1458.7	1699.4
47.5°	3072.2	3046.3	2817.7	2433.6	1983.0	1765.8	1642.7	1388.2	1329.0	1502.5	1765.0
50°	3395.5	3376.9	3141.9	2727.8	2235.9	1979.8	1836.3	1513.8	1419.0	1561.6	1833.9
52.5°	3568.1	3554.4	3410.1	3037.3	2495.2	2222.1	2015.4	1645.1	1531.6	1635.4	1909.3
55°	3526.8	3518.7	3517.9	3270.7	2778.0	2466.0	2219.7	1785.3	1661.3	1723.7	1998.4
57.5°	3515.5	3501.7	3509.0	3432.0	3047.1	2718.0	2446.6	1959.5	1823.4	1829.9	2091.6
60°	3526.8	3518.7	3560.0	3531.7	3299.9	2982.2	2710.8	2171.0	1992.7	1938.5	2175.1
62.5°	3632.2	3612.7	3645.1	3705.1	3575.4	3340.4	3044.6	2423.1	2180.8	2020.3	2239.9
65°	3793.4	3757.0	3767.5	3919.0	3900.4	3731.0	3440.9	2751.3	2357.4	2085.9	2269.9
67.5°	3839.6	3827.5	3855.0	4048.7	4242.4	4213.2	3943.4	3113.5	2530.0	2123.2	2235.9
70°	3649.2	3633.8	3757.0	4056.0	4578.7	4721.3	4470.9	3462.8	2677.5	2109.4	2158.1
72.5°	3004.1	2994.4	3228.6	3732.7	4609.5	4924.7	4749.7	3684.8	2665.4	1979.0	2000.0
75°	1943.3	1910.9	2286.9	2935.2	4136.2	4646.8	4522.8	3405.3	2334.7	1759.4	1722.9
77.5°	687.2	772.3	987.9	1745.6	3142.7	3739.9	3532.5	2554.3	1724.5	1289.3	1214.0
80°	239.9	252.0	315.2	654.0	1700.2	2395.5	2228.6	1480.6	921.4	671.8	644.3
82.5°	141.0	147.5	165.3	239.9	625.6	1137.8	949.8	621.6	337.1	288.5	252.8
85°	47.8	51.1	85.9	123.2	222.0	329.0	295.8	159.6	130.5	116.7	75.4
87.5°	9.7	11.3	18.6	40.5	74.6	84.3	64.0	38.9	54.3	54.3	25.9
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: P1208370

CATALOG NUMBER: UPW-SA1-060-750-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	1019.5	1012.2	999.2	987.1	974.1	964.4	952.2	942.5	944.1	938.4	936.8
5°	1036.5	1021.1	990.3	957.9	924.7	893.0	866.3	844.4	832.3	825.8	825.0
7.5°	1064.0	1040.5	985.4	926.3	863.9	820.9	792.6	778.8	777.2	775.5	773.1
10°	1107.0	1069.7	983.8	889.0	810.4	773.1	768.2	778.0	791.8	799.0	799.0
12.5°	1152.4	1104.6	983.0	850.9	769.1	756.9	778.8	806.3	829.0	839.6	837.9
15°	1201.0	1139.4	970.8	808.0	739.9	757.7	795.8	825.8	849.3	859.0	859.8
17.5°	1252.9	1171.0	950.6	761.0	718.8	756.1	795.0	820.9	842.0	849.3	847.7
20°	1297.4	1199.4	922.2	713.1	700.2	740.7	775.5	795.0	807.1	808.8	808.8
22.5°	1333.9	1219.6	880.9	668.6	674.2	714.0	740.7	751.2	756.1	758.5	757.7
25°	1369.6	1233.4	833.9	627.2	643.4	678.3	697.7	707.5	710.7	713.1	714.8
27.5°	1393.9	1239.9	778.8	581.9	607.8	637.8	656.4	666.1	673.4	678.3	678.3
30°	1410.9	1235.8	721.2	547.8	577.0	602.1	624.0	637.0	647.5	653.2	654.0
32.5°	1427.1	1231.0	662.9	513.8	546.2	572.9	598.1	617.5	632.1	638.6	641.0
35°	1439.3	1220.4	601.3	487.9	517.8	546.2	574.6	598.9	617.5	628.9	631.3
37.5°	1451.4	1209.9	544.6	460.3	493.5	524.3	556.7	580.2	602.1	617.5	622.4
40°	1468.4	1202.6	494.3	436.0	474.9	508.9	538.1	565.7	590.8	604.6	609.4
42.5°	1491.9	1197.8	451.4	418.2	460.3	499.2	530.0	565.7	596.4	602.9	606.2
45°	1523.5	1197.8	416.5	403.6	453.0	499.2	537.3	576.2	600.5	598.1	600.5
47.5°	1558.4	1197.8	389.0	390.6	449.8	505.7	548.6	595.6	621.6	628.9	633.7
50°	1607.0	1197.8	367.1	379.3	444.1	516.2	586.7	634.5	649.9	652.4	654.0
52.5°	1660.5	1208.3	350.9	367.9	442.5	550.3	616.7	632.9	632.1	624.8	624.0
55°	1724.5	1226.9	336.3	355.0	448.1	556.7	597.3	602.1	586.7	572.9	569.7
57.5°	1789.3	1250.4	321.7	338.7	425.5	517.0	565.7	561.6	560.8	553.5	552.7
60°	1860.7	1277.2	305.5	312.0	380.1	478.9	522.7	554.3	563.2	555.9	554.3
62.5°	1913.3	1308.0	288.5	282.8	341.2	444.9	507.3	547.0	564.0	564.0	563.2
65°	1938.5	1323.4	272.3	256.1	307.9	409.2	492.7	526.8	547.8	553.5	551.9
67.5°	1909.3	1302.3	260.1	233.4	276.3	372.8	469.2	500.8	528.4	537.3	536.5
70°	1859.0	1285.3	250.4	209.9	248.8	333.9	445.7	479.8	507.3	522.7	521.1
72.5°	1749.6	1225.3	226.1	189.6	218.0	303.1	417.4	457.1	483.0	500.0	499.2
75°	1501.7	1077.0	188.8	171.0	184.8	273.1	386.6	431.1	449.8	466.0	465.2
77.5°	1107.0	809.6	148.3	144.2	154.8	241.5	347.7	391.4	406.0	418.2	415.7
80°	583.5	474.1	116.7	118.3	128.0	208.3	308.8	342.0	354.1	360.6	355.8
82.5°	254.5	205.0	86.7	94.0	100.5	166.9	254.5	283.6	291.7	286.9	273.1
85°	81.0	55.9	51.9	61.6	68.1	111.0	197.7	220.4	234.2	219.6	216.4
87.5°	20.3	18.6	21.9	31.6	35.7	61.6	134.5	139.4	158.0	48.6	45.4
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)