

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: P1208015

Luminaire Tested: UPW-SA1-040-727-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4895 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

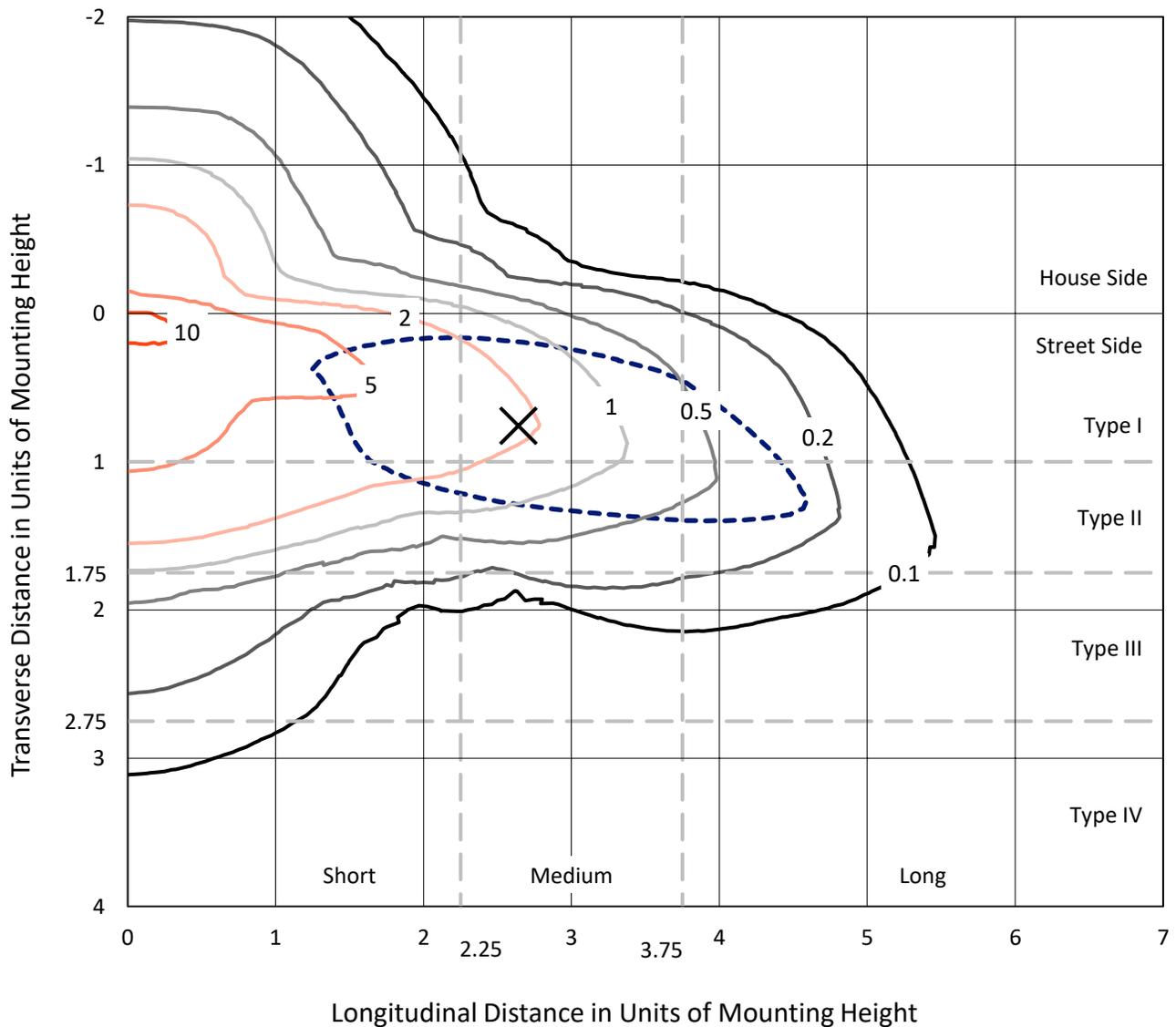


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Iso-Footcandle Lines of Horizontal Illumination

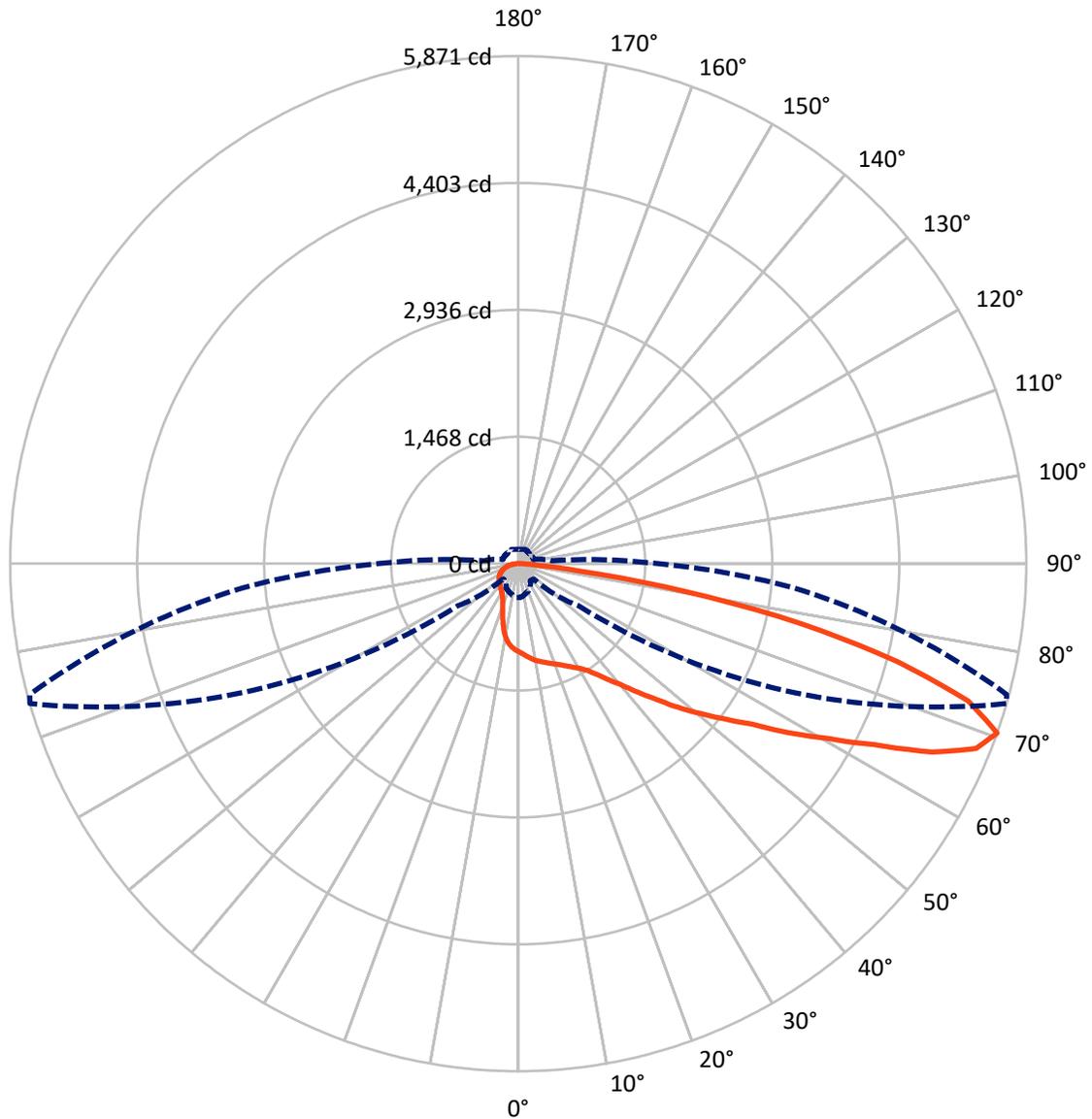
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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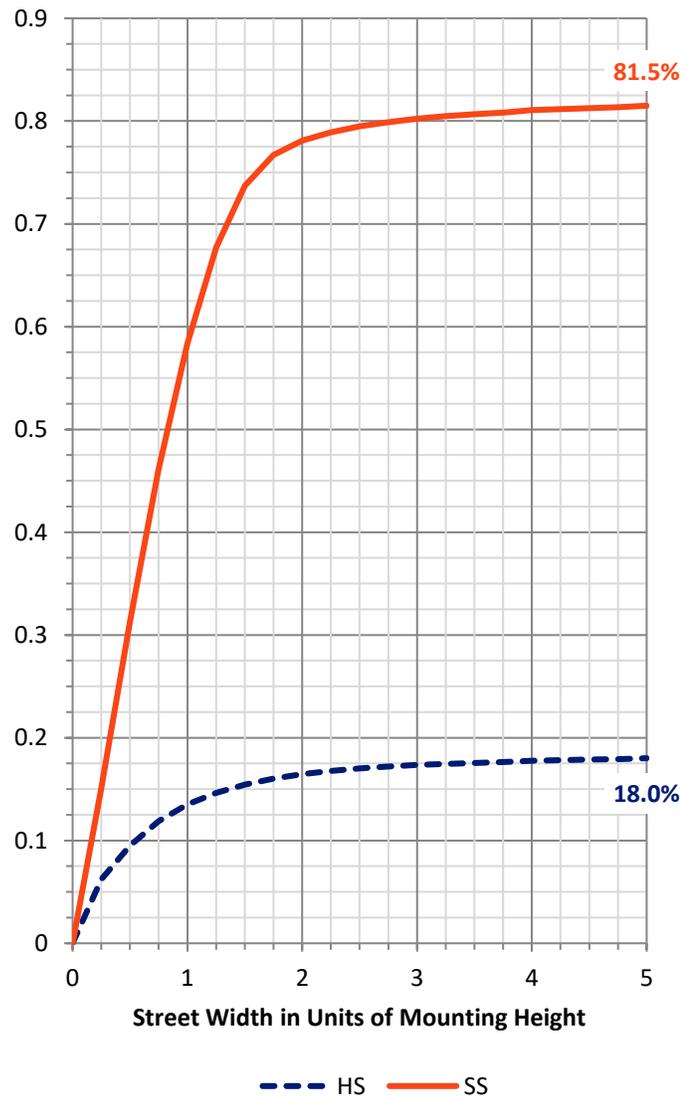
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	896.0	0.0	896.0
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	3999.0	0.0	3999.0
	% Fixture	81.7	0.0	81.7
Total	Lumens	4895.0	0.0	4895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	1.8
10°-20°	235.5	4.8
20°-30°	372.9	7.6
30°-40°	555.7	11.4
40°-50°	766.2	15.7
50°-60°	1027.6	21.0
60°-70°	1066.5	21.8
70°-80°	674.8	13.8
80°-90°	106.2	2.2
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°	4895.0	100.0
0°-180°	4895.0	100.0

Coefficient of Utilization



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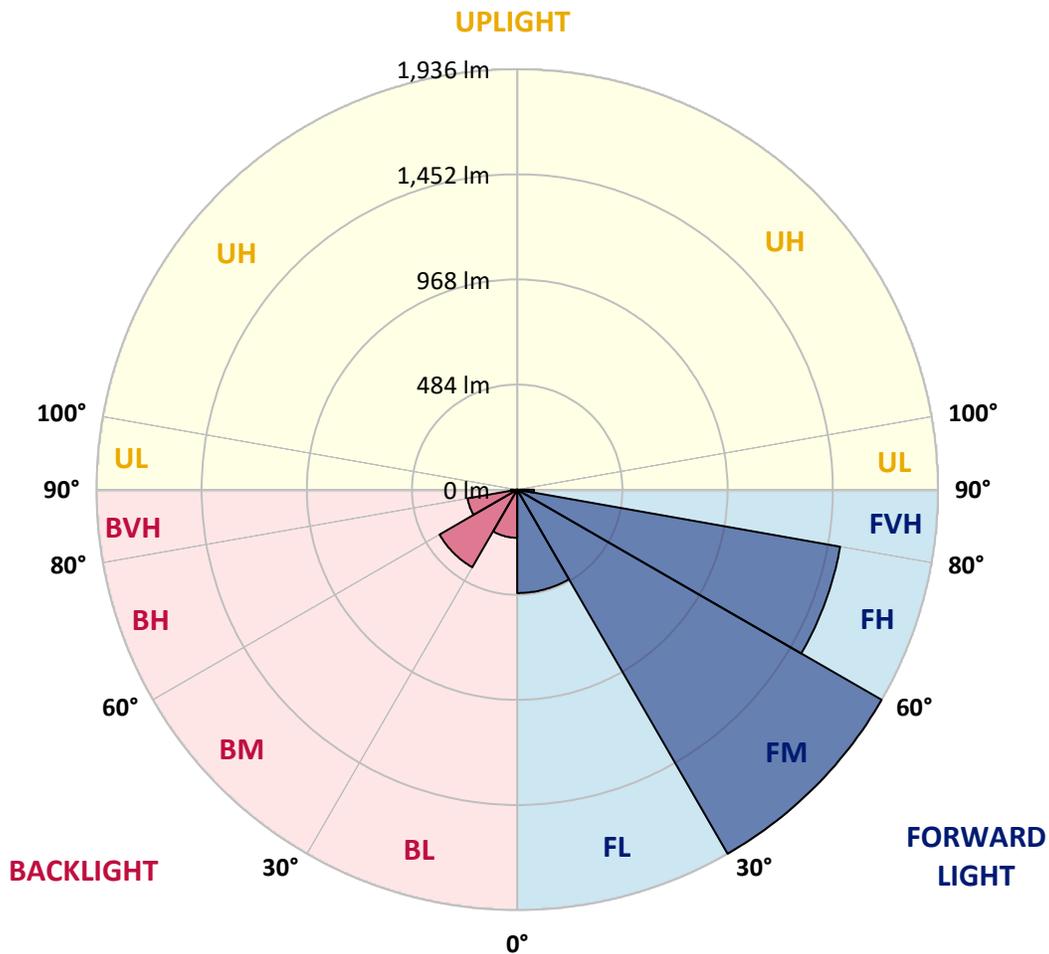
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	476.2	9.7			
FM (30°-60°)	1936.4	39.6			
FH (60°-80°)	1509.3	30.8			G1/1800
FVH (80°-90°)	77.2	1.6			G1/100
BL (0°-30°)	221.8	4.5	B1/500		
BM (30°-60°)	413.1	8.4	B1/1000		
BH (60°-80°)	232.0	4.7	B1/500		G1/500
BVH (80°-90°)	29.0	0.6			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3
2.5°	1090.0	1088.3	1084.5	1084.5	1082.9	1079.0	1068.1	1056.6	1045.6	1044.5	1030.3
5°	1134.9	1132.1	1131.6	1131.6	1129.4	1125.6	1110.8	1094.9	1079.0	1075.7	1050.0
7.5°	1156.2	1154.1	1154.6	1157.3	1161.7	1158.4	1145.3	1131.6	1110.2	1107.5	1069.2
10°	1144.7	1146.4	1153.0	1168.3	1179.3	1185.3	1174.3	1161.7	1139.8	1136.5	1084.5
12.5°	1071.9	1076.8	1097.6	1137.1	1178.7	1201.7	1201.2	1188.0	1161.7	1159.0	1096.5
15°	961.8	955.8	994.1	1057.1	1132.7	1197.9	1219.2	1213.2	1186.9	1183.1	1110.8
17.5°	907.6	908.1	925.1	964.0	1047.3	1166.7	1229.1	1238.4	1213.8	1208.8	1126.7
20°	929.5	928.9	930.6	943.7	983.7	1103.1	1229.6	1265.8	1240.0	1236.8	1140.9
22.5°	991.9	989.7	984.8	973.9	975.0	1046.7	1222.0	1295.9	1273.5	1266.9	1150.8
25°	1079.0	1073.5	1057.7	1033.0	1006.7	1029.7	1202.3	1331.0	1311.8	1304.7	1161.2
27.5°	1178.2	1177.1	1160.1	1113.0	1063.1	1051.1	1179.8	1369.3	1357.3	1347.4	1172.7
30°	1280.6	1274.6	1258.7	1208.3	1145.3	1097.6	1173.2	1411.5	1405.5	1392.9	1182.0
32.5°	1336.4	1333.7	1323.3	1292.6	1237.9	1165.0	1192.4	1454.8	1474.5	1465.2	1202.3
35°	1380.8	1375.9	1364.9	1352.3	1324.4	1253.7	1236.8	1506.8	1577.4	1561.0	1245.5
37.5°	1423.0	1417.5	1409.8	1397.8	1379.7	1338.6	1301.4	1578.0	1707.8	1696.3	1311.3
40°	1470.1	1464.1	1454.2	1446.0	1420.8	1408.2	1362.2	1645.9	1847.5	1842.0	1390.1
42.5°	1505.7	1499.1	1494.2	1488.7	1461.3	1437.8	1409.8	1710.5	2035.9	2022.2	1494.7
45°	1532.0	1528.2	1528.2	1521.6	1503.5	1438.9	1443.3	1797.1	2238.6	2234.2	1639.3
47.5°	1560.5	1555.5	1558.3	1552.3	1546.8	1440.0	1484.3	1912.7	2482.3	2478.5	1800.9
50°	1594.4	1589.5	1600.5	1591.7	1593.9	1472.8	1542.9	2057.3	2723.3	2714.0	1972.9
52.5°	1598.8	1597.7	1625.1	1644.8	1660.7	1547.9	1642.1	2229.8	2986.7	2986.7	2173.4
55°	1510.1	1507.9	1561.0	1644.8	1734.1	1691.9	1826.1	2499.8	3278.1	3285.8	2351.9
57.5°	1226.4	1236.8	1326.6	1491.5	1730.3	1897.3	2098.3	2828.5	3688.9	3663.7	2527.2
60°	780.0	795.3	867.0	1093.8	1471.7	1931.8	2391.4	3245.8	4105.7	4057.5	2758.9
62.5°	515.4	502.3	503.4	610.2	947.0	1623.5	2448.9	3740.4	4608.6	4573.5	2964.8
65°	458.4	449.1	402.6	374.6	460.1	1013.8	2082.5	4097.0	5254.9	5156.8	3122.6
67.5°	434.9	425.6	382.3	339.0	289.7	518.1	1480.0	4031.3	5706.2	5644.3	3239.2
70°	393.8	388.3	353.3	319.9	242.1	250.3	853.9	3538.9	5871.1	5841.5	3186.1
72.5°	342.3	335.8	312.2	289.2	212.5	184.6	409.7	2805.4	5437.8	5435.6	2961.0
75°	280.4	275.0	255.8	248.1	179.7	151.2	232.8	1970.2	4530.2	4506.1	2631.8
77.5°	229.5	221.8	208.7	202.7	149.0	121.6	163.8	1375.3	3343.3	3280.3	1842.0
80°	166.5	161.6	149.0	163.2	117.8	94.2	121.6	855.5	1964.7	1836.5	690.1
82.5°	101.3	91.5	103.0	124.9	87.1	67.4	89.3	477.1	704.4	618.9	205.9
85°	47.1	48.2	60.2	80.0	52.0	39.4	55.9	208.7	204.3	195.5	86.5
87.5°	7.7	8.2	23.0	35.1	21.9	13.1	22.5	46.0	77.2	79.4	37.2
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°	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3	1019.3
2.5°	1021.5	1012.7	996.9	979.3	959.6	941.5	933.9	908.7	902.7	901.0	888.4
5°	1031.9	1012.7	971.1	921.8	864.3	812.3	754.8	708.8	683.0	680.8	684.1
7.5°	1042.3	1012.2	936.1	836.4	734.5	633.7	572.4	536.2	511.0	505.0	506.6
10°	1047.8	1004.5	882.4	729.0	588.3	514.9	479.8	467.2	463.4	460.1	460.1
12.5°	1048.9	987.5	811.2	613.5	502.3	466.7	456.8	453.5	453.0	452.4	451.3
15°	1050.0	966.2	720.3	524.2	463.4	451.9	448.0	447.5	448.6	448.0	448.0
17.5°	1048.9	937.2	632.1	472.7	449.1	444.8	442.6	442.0	443.7	443.1	442.6
20°	1045.1	899.9	546.1	446.4	439.3	438.2	435.4	433.3	435.4	436.0	435.4
22.5°	1030.3	845.1	484.2	430.0	430.0	430.0	426.7	423.9	427.8	428.9	429.4
25°	1007.3	779.4	438.2	416.3	419.0	417.9	417.9	417.4	421.2	422.3	422.8
27.5°	983.2	710.9	405.9	401.5	405.9	408.6	413.5	414.1	414.1	413.0	412.4
30°	952.5	636.5	385.1	388.3	394.4	404.2	413.0	411.9	408.1	404.2	404.8
32.5°	927.8	576.2	364.8	376.8	387.8	402.0	409.7	411.3	410.8	404.2	404.2
35°	918.5	528.0	351.1	367.0	383.4	396.6	399.8	407.0	405.9	397.6	397.1
37.5°	924.6	489.1	339.0	356.6	376.8	383.4	390.5	392.2	378.5	369.7	367.5
40°	937.7	460.6	328.1	343.4	365.9	371.4	381.2	366.4	354.9	347.8	348.9
42.5°	974.4	448.6	318.2	328.6	349.4	362.0	358.2	353.8	337.9	326.4	325.3
45°	1032.5	448.0	309.5	313.3	330.8	344.0	343.4	338.5	321.5	309.5	307.8
47.5°	1111.9	459.0	300.2	299.1	313.3	321.5	329.2	321.5	304.0	290.3	288.7
50°	1206.6	487.5	291.4	284.3	294.1	306.7	310.6	305.1	288.7	275.5	273.9
52.5°	1320.6	526.9	283.7	271.1	273.9	291.4	300.2	295.2	276.6	262.4	260.2
55°	1431.2	564.2	273.3	257.4	253.0	277.1	290.8	290.3	262.9	248.1	247.0
57.5°	1544.6	599.2	261.8	245.9	238.8	261.8	281.0	283.2	248.7	232.8	232.8
60°	1659.6	623.9	247.6	233.9	230.0	244.8	266.2	266.7	236.1	224.0	225.1
62.5°	1753.8	609.1	233.3	222.4	219.6	228.4	249.8	254.7	235.0	221.8	222.9
65°	1793.8	559.8	217.4	211.4	207.0	210.3	230.0	236.1	215.3	200.5	202.1
67.5°	1768.1	488.0	201.6	198.8	192.8	191.7	204.3	208.1	192.8	183.5	182.4
70°	1615.2	389.4	182.4	182.4	176.9	172.0	178.6	181.8	169.8	164.3	165.4
72.5°	1397.8	316.6	163.8	166.0	158.3	151.7	155.6	157.2	150.1	147.3	146.2
75°	1209.4	264.6	145.1	148.4	140.2	129.8	134.2	134.2	128.2	127.6	127.1
77.5°	881.8	198.8	124.9	128.7	122.1	109.0	110.1	110.6	108.4	108.4	109.0
80°	377.4	121.6	101.9	107.9	101.3	85.4	88.7	88.7	94.2	107.9	105.7
82.5°	125.4	72.3	77.2	84.9	77.8	63.5	67.4	72.3	93.1	89.3	84.9
85°	53.7	40.0	49.3	53.7	49.8	38.3	43.8	75.6	69.0	66.8	67.4
87.5°	18.1	17.0	20.8	24.6	17.5	12.0	22.5	46.0	44.9	34.0	32.9
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)