

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: P1207897

Luminaire Tested: UPW-SA1-030-750-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5088 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 34
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

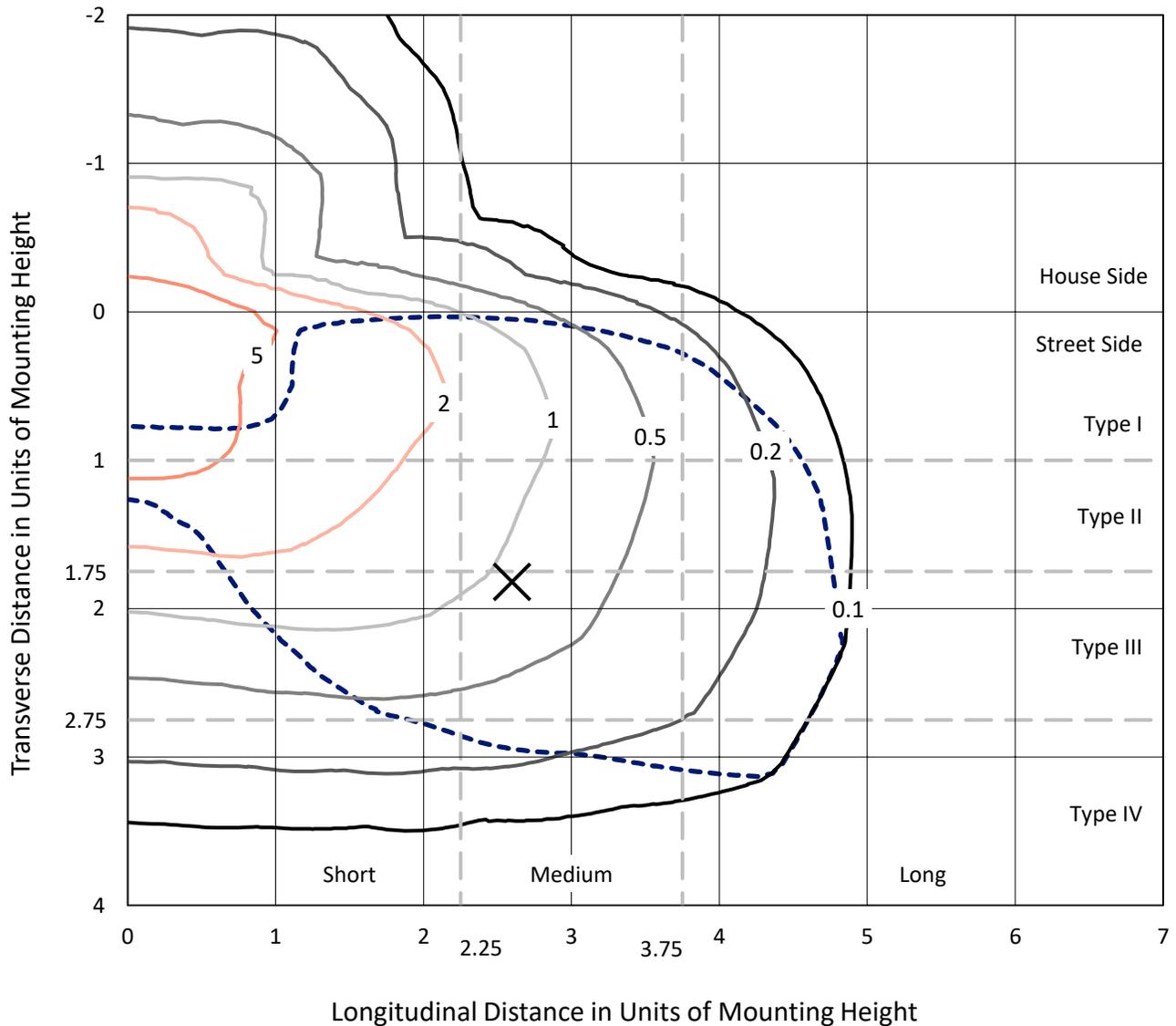


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Iso-Footcandle Lines of Horizontal Illumination

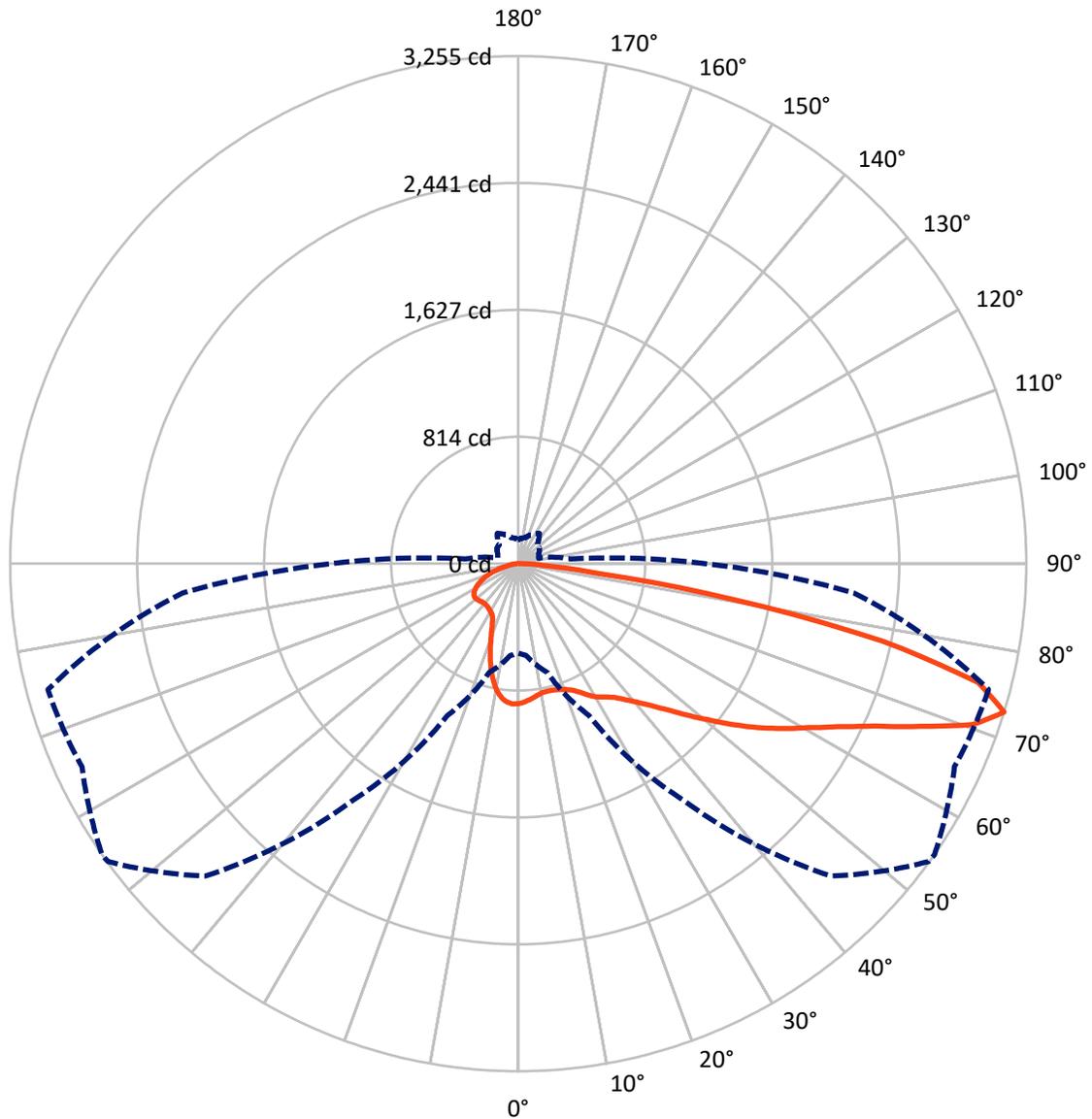
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.7	0.0	945.7
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4142.3	0.0	4142.3
	% Fixture	81.4	0.0	81.4
Total	Lumens	5088.0	0.0	5088.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.6
10°-20°	216.2	4.2
20°-30°	356.5	7.0
30°-40°	527.3	10.4
40°-50°	736.0	14.5
50°-60°	958.3	18.8
60°-70°	1177.7	23.1
70°-80°	923.2	18.1
80°-90°	111.7	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°	5088.0	100.0
0°-180°	5088.0	100.0



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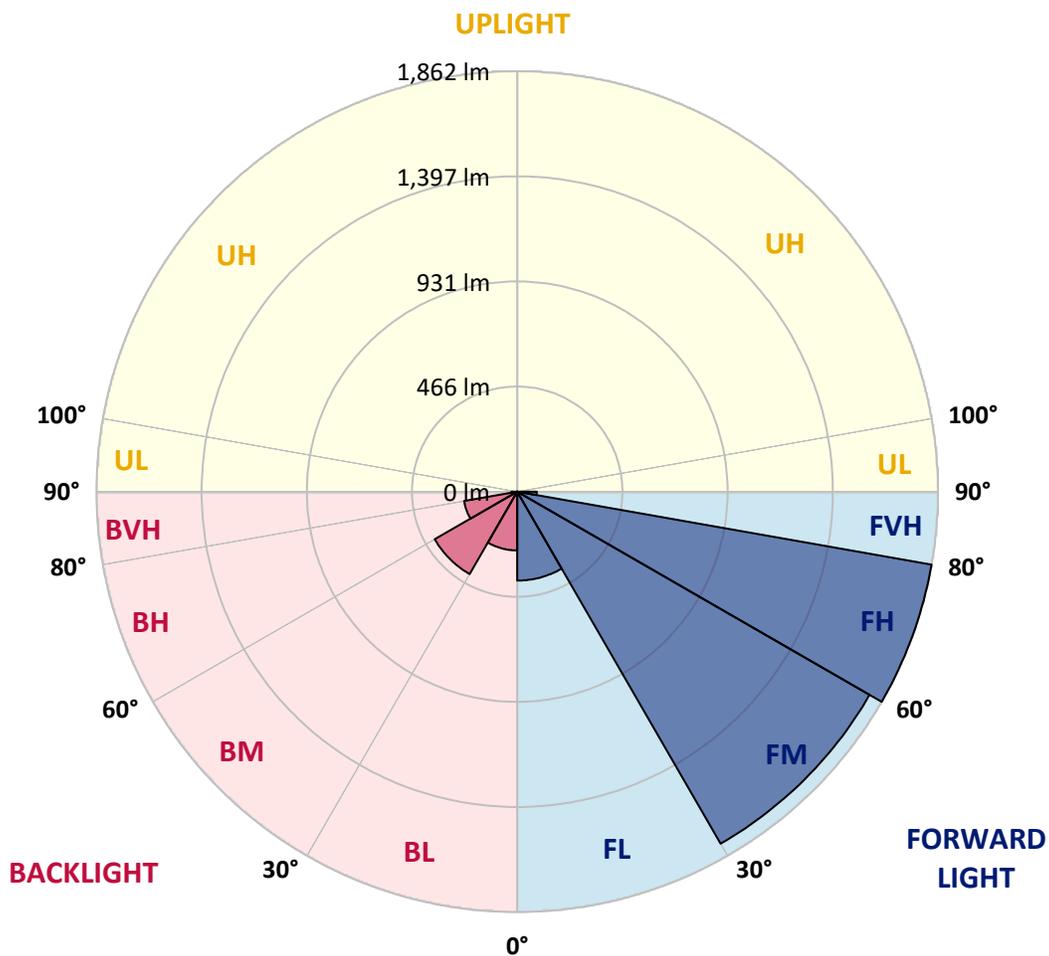
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.7	7.7			
FM	(30°-60°)	1800.2	35.4			
FH	(60°-80°)	1862.0	36.6			G2/5000
FVH	(80°-90°)	86.4	1.7			G1/100
BL	(0°-30°)	260.2	5.1	B1/500		
BM	(30°-60°)	421.3	8.3	B1/1000		
BH	(60°-80°)	238.8	4.7	B1/500		G1/500
BVH	(80°-90°)	25.3	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4
2.5°	868.2	866.1	868.7	872.3	876.3	881.6	884.7	886.1	891.4	893.5	897.9
5°	828.0	827.0	831.3	837.4	846.2	858.6	868.5	870.4	884.5	894.5	903.6
7.5°	798.8	798.8	803.8	811.1	820.9	837.6	851.7	854.3	878.2	899.6	916.5
10°	775.6	776.4	782.3	791.0	802.6	820.3	839.0	841.9	876.4	911.7	938.5
12.5°	760.1	762.2	767.5	775.4	789.7	811.1	834.9	838.8	880.1	928.9	965.0
15°	769.9	773.3	773.9	777.1	785.0	808.4	837.3	841.4	887.8	946.4	995.0
17.5°	812.9	814.1	808.7	801.9	798.1	813.0	844.5	848.8	897.1	963.7	1023.9
20°	878.2	877.5	866.0	847.4	828.2	830.6	856.3	860.8	909.6	979.0	1052.8
22.5°	960.7	958.2	940.5	906.4	873.5	859.8	877.1	880.9	928.5	1000.9	1083.7
25°	1060.7	1055.3	1032.0	986.1	937.8	902.4	908.4	912.0	956.0	1025.3	1112.1
27.5°	1166.2	1160.9	1131.1	1075.6	1011.4	956.2	951.5	954.6	987.3	1043.3	1133.0
30°	1276.5	1270.8	1243.7	1181.5	1089.4	1011.9	991.8	993.0	1009.3	1053.1	1150.2
32.5°	1387.4	1382.0	1351.6	1279.4	1174.1	1071.7	1020.8	1019.3	1022.5	1063.3	1169.6
35°	1499.8	1501.8	1466.2	1386.3	1267.9	1138.2	1055.2	1051.9	1044.7	1084.0	1197.1
37.5°	1620.1	1618.7	1572.6	1489.1	1366.1	1210.4	1104.5	1104.0	1079.1	1123.4	1240.3
40°	1700.5	1701.3	1673.3	1594.3	1465.2	1290.3	1167.7	1166.5	1133.9	1182.3	1296.8
42.5°	1731.9	1737.6	1744.8	1694.6	1569.0	1382.9	1243.2	1241.5	1210.4	1266.9	1363.3
45°	1734.2	1745.5	1790.2	1783.8	1674.2	1488.9	1339.6	1334.8	1312.4	1379.3	1442.7
47.5°	1714.9	1726.6	1800.8	1836.9	1768.2	1600.8	1452.3	1448.5	1429.3	1519.9	1528.6
50°	1672.8	1684.0	1778.8	1862.9	1845.5	1708.4	1582.2	1572.3	1562.0	1682.3	1626.9
52.5°	1593.9	1615.4	1749.5	1869.1	1891.8	1803.9	1718.9	1712.3	1718.0	1853.6	1725.4
55°	1407.1	1431.2	1673.7	1863.9	1926.0	1884.2	1855.5	1855.1	1884.5	2033.4	1831.1
57.5°	1302.5	1319.5	1519.3	1855.1	1966.5	1963.9	1990.7	1994.0	2051.2	2229.1	1941.8
60°	1243.4	1261.2	1441.2	1822.7	2029.4	2067.0	2128.7	2135.3	2220.7	2445.8	2074.9
62.5°	1189.6	1209.2	1392.7	1756.5	2103.5	2214.5	2294.1	2299.9	2400.1	2668.5	2203.7
65°	1097.6	1119.8	1321.7	1713.0	2170.8	2406.8	2504.2	2508.2	2606.1	2901.9	2302.1
67.5°	967.7	988.0	1187.8	1617.0	2220.7	2640.3	2783.7	2785.9	2810.5	3066.7	2352.5
70°	816.0	823.7	997.1	1418.6	2161.7	2858.8	3089.9	3090.4	2996.8	3172.2	2344.2
72.5°	573.3	591.5	723.8	1073.9	1857.7	2832.1	3248.9	3254.7	3083.4	3119.0	2156.9
75°	351.6	370.9	454.0	650.8	1178.6	2227.4	3001.7	3042.3	2921.0	2780.9	1762.0
77.5°	235.1	242.3	296.3	379.5	533.9	1281.5	2307.8	2384.1	2426.6	2028.0	1126.8
80°	131.1	144.9	196.4	235.8	237.5	509.2	1383.8	1401.6	1350.1	807.5	347.7
82.5°	69.4	77.0	131.1	138.5	129.6	170.5	515.7	516.2	431.3	216.5	103.3
85°	53.8	60.1	89.9	84.6	66.2	75.6	170.1	179.4	146.8	88.7	33.7
87.5°	26.8	33.3	61.0	53.6	25.9	21.7	60.8	65.0	57.9	34.7	12.2
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°	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4	897.4
2.5°	899.6	901.2	903.1	901.0	900.3	897.6	892.9	891.9	889.5	889.7	891.1
5°	907.6	910.1	909.1	901.2	891.7	878.5	864.8	853.1	845.3	844.8	844.3
7.5°	922.7	924.4	916.3	893.8	867.3	836.7	807.9	782.6	767.3	763.5	762.7
10°	946.4	946.0	923.9	878.5	825.8	771.1	724.7	689.6	669.2	663.2	661.6
12.5°	972.9	968.9	926.5	850.7	767.0	691.2	632.4	593.4	572.1	565.2	563.5
15°	1000.2	990.4	920.1	809.1	694.8	605.1	543.4	507.3	495.8	492.0	491.3
17.5°	1025.6	1006.7	901.9	752.7	612.5	519.3	471.2	456.8	459.5	464.5	464.7
20°	1050.5	1017.7	872.7	681.6	525.7	448.7	432.4	443.0	456.1	466.2	467.6
22.5°	1075.1	1025.4	835.0	599.4	448.0	409.0	420.5	439.9	454.9	465.9	467.8
25°	1095.7	1027.3	783.1	511.8	394.1	394.1	414.9	433.2	448.0	458.8	460.7
27.5°	1103.3	1014.6	709.9	430.7	366.9	387.2	406.9	422.2	434.8	446.3	448.4
30°	1106.2	991.1	625.4	365.5	355.7	379.8	396.3	409.4	421.2	432.0	433.9
32.5°	1106.7	962.7	535.7	328.6	348.0	372.1	383.1	394.6	407.3	411.6	412.3
35°	1110.0	929.2	441.1	309.7	340.8	364.8	373.6	381.9	361.2	362.8	364.2
37.5°	1119.4	896.0	362.1	299.0	336.1	361.1	371.5	341.6	325.5	321.7	321.2
40°	1137.1	860.6	303.5	290.4	334.4	363.0	358.3	319.0	291.1	270.3	267.2
42.5°	1161.7	822.5	266.0	284.8	335.6	372.1	339.9	297.1	250.9	237.5	235.8
45°	1189.4	782.4	245.7	280.8	339.8	379.1	336.1	268.1	232.2	222.0	221.2
47.5°	1216.2	733.5	235.3	279.1	345.4	373.4	320.2	259.2	223.2	217.9	218.4
50°	1247.0	689.3	228.9	277.2	350.4	369.8	302.1	254.5	219.8	226.3	233.2
52.5°	1272.9	643.6	223.2	273.4	352.3	363.5	297.5	255.4	219.8	232.3	238.9
55°	1303.7	609.0	216.7	265.5	348.7	345.4	294.2	260.5	222.4	214.5	215.2
57.5°	1343.4	597.7	209.5	253.1	336.7	319.1	292.7	265.5	220.8	215.8	217.6
60°	1398.4	609.7	206.6	237.0	317.9	298.5	292.8	262.9	210.0	201.4	201.6
62.5°	1450.8	623.1	206.4	226.8	294.9	280.1	288.9	254.5	204.5	199.5	201.4
65°	1468.0	609.6	198.1	215.5	268.9	258.1	281.7	245.6	200.4	192.8	192.5
67.5°	1444.9	567.5	181.5	197.1	239.2	232.5	272.2	234.9	193.8	187.7	186.6
70°	1376.5	473.5	160.9	172.9	205.4	203.6	257.3	222.5	185.1	179.8	175.3
72.5°	1192.5	337.3	135.6	143.8	167.2	172.7	236.6	206.4	172.7	161.2	154.3
75°	979.4	249.7	111.4	113.1	127.0	142.0	208.3	187.5	158.1	138.5	133.2
77.5°	599.8	152.8	88.7	89.4	91.1	113.3	171.5	166.4	139.5	115.5	111.7
80°	194.2	83.3	64.1	67.4	62.2	83.0	132.7	141.6	119.8	96.6	92.5
82.5°	73.9	48.6	43.3	45.5	43.1	55.7	96.8	113.4	98.1	79.4	64.6
85°	35.7	27.5	25.6	28.7	26.6	28.5	61.9	83.5	74.4	51.7	48.1
87.5°	12.7	12.2	9.8	13.2	11.3	10.1	18.9	42.1	49.1	35.6	31.8
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)