

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: P1208032

Luminaire Tested: UPW-SA1-040-727-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5218 lumens
Efficiency: N/A
Efficacy: 118.6 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): 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

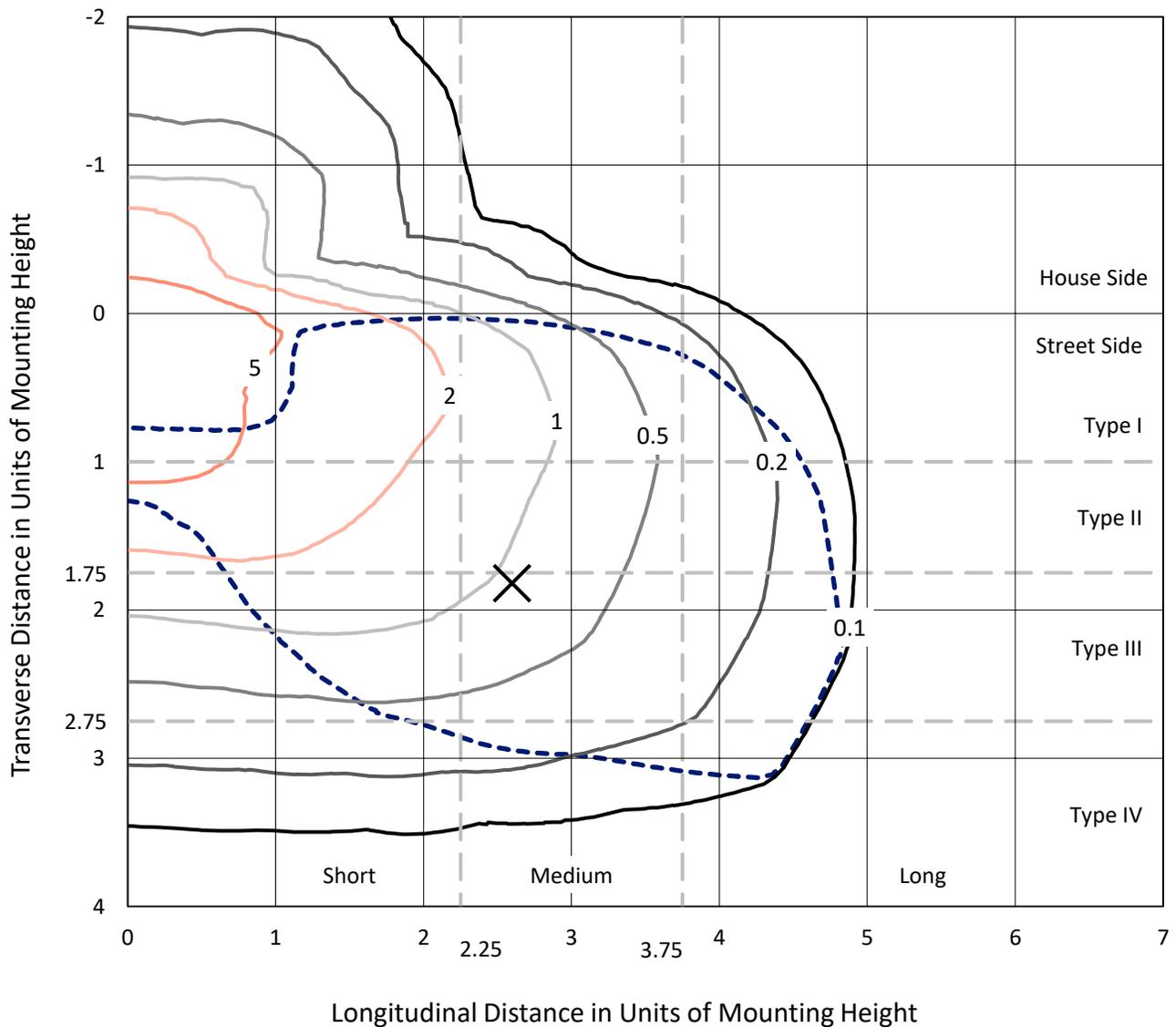


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

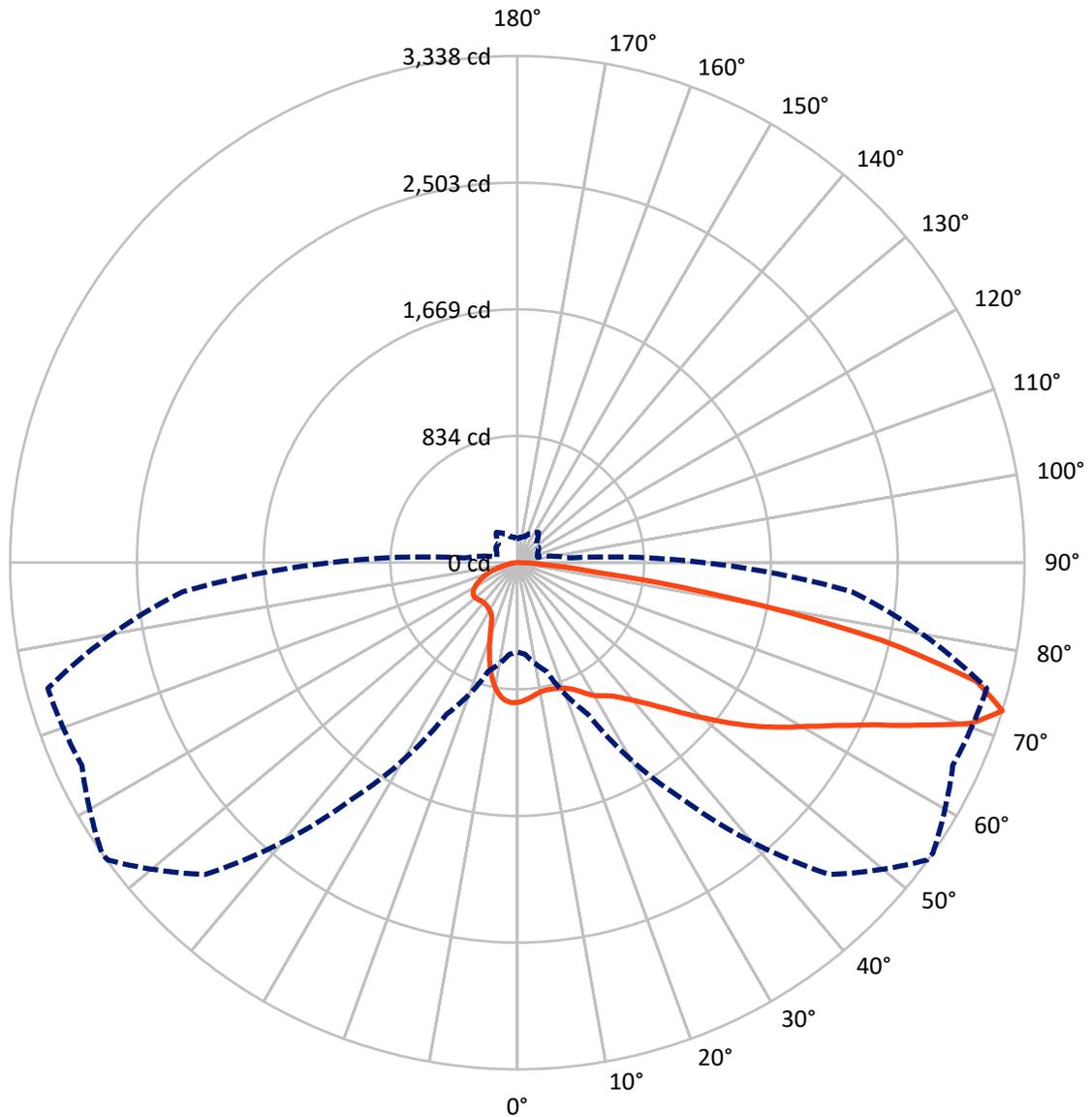


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Medium - N/A

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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	969.9	0.0	969.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4248.1	0.0	4248.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	5218.0	0.0	5218.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	1.6
10°-20°	221.7	4.2
20°-30°	365.6	7.0
30°-40°	540.8	10.4
40°-50°	754.8	14.5
50°-60°	982.8	18.8
60°-70°	1207.8	23.1
70°-80°	946.8	18.1
80°-90°	114.6	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°	5218.0	100.0
0°-180°	5218.0	100.0



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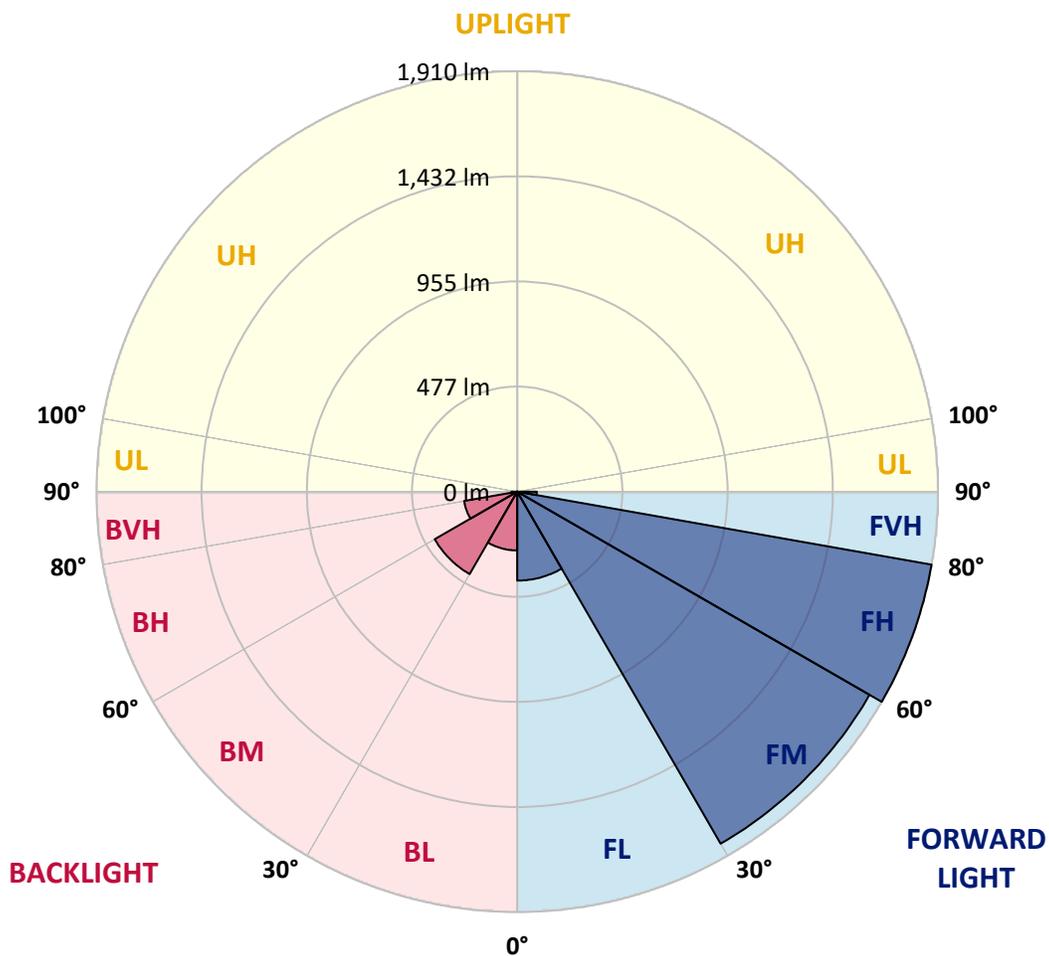
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.7	7.7			
FM	(30°-60°)	1846.2	35.4			
FH	(60°-80°)	1909.6	36.6			G2/5000
FVH	(80°-90°)	88.6	1.7			G1/100
BL	(0°-30°)	266.8	5.1	B1/500		
BM	(30°-60°)	432.1	8.3	B1/1000		
BH	(60°-80°)	244.9	4.7	B1/500		G1/500
BVH	(80°-90°)	26.0	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°	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3
2.5°	890.4	888.3	890.9	894.6	898.7	904.1	907.3	908.7	914.2	916.3	920.9
5°	849.1	848.1	852.5	858.8	867.8	880.5	890.7	892.7	907.1	917.3	926.7
7.5°	819.2	819.2	824.3	831.9	841.9	859.0	873.5	876.1	900.6	922.6	939.9
10°	795.4	796.3	802.3	811.2	823.1	841.2	860.4	863.4	898.8	935.0	962.5
12.5°	779.5	781.6	787.1	795.2	809.8	831.9	856.2	860.2	902.5	952.6	989.6
15°	789.6	793.1	793.6	797.0	805.1	829.0	858.7	862.9	910.5	970.6	1020.4
17.5°	833.6	834.9	829.4	822.4	818.5	833.8	866.1	870.5	920.0	988.4	1050.1
20°	900.6	899.9	888.1	869.1	849.3	851.8	878.2	882.8	932.9	1004.1	1079.7
22.5°	985.2	982.7	964.6	929.5	895.8	881.7	899.5	903.4	952.2	1026.4	1111.4
25°	1087.8	1082.3	1058.3	1011.3	961.8	925.5	931.6	935.3	980.4	1051.5	1140.5
27.5°	1196.0	1190.5	1160.0	1103.1	1037.2	980.6	975.9	979.0	1012.5	1070.0	1162.0
30°	1309.1	1303.3	1275.5	1211.7	1117.2	1037.7	1017.1	1018.3	1035.1	1080.0	1179.6
32.5°	1422.8	1417.3	1386.2	1312.1	1204.1	1099.1	1046.9	1045.3	1048.6	1090.4	1199.5
35°	1538.1	1540.2	1503.7	1421.8	1300.3	1167.3	1082.1	1078.8	1071.4	1111.7	1227.7
37.5°	1661.4	1660.0	1612.8	1527.1	1401.0	1241.3	1132.7	1132.2	1106.6	1152.1	1271.9
40°	1743.9	1744.8	1716.1	1635.0	1502.7	1323.2	1197.6	1196.3	1162.9	1212.6	1329.9
42.5°	1776.2	1782.0	1789.4	1737.9	1609.1	1418.2	1274.9	1273.2	1241.3	1299.3	1398.1
45°	1778.5	1790.1	1835.9	1829.4	1717.0	1527.0	1373.8	1368.9	1346.0	1414.5	1479.6
47.5°	1758.7	1770.7	1846.9	1883.9	1813.4	1641.7	1489.4	1485.6	1465.8	1558.7	1567.7
50°	1715.6	1727.0	1824.3	1910.5	1892.7	1752.0	1622.7	1612.5	1601.9	1725.2	1668.5
52.5°	1634.7	1656.7	1794.2	1916.8	1940.1	1850.0	1762.8	1756.1	1761.9	1901.0	1769.5
55°	1443.1	1467.8	1716.4	1911.5	1975.2	1932.3	1902.9	1902.5	1932.7	2085.3	1877.9
57.5°	1335.7	1353.2	1558.2	1902.5	2016.8	2014.1	2041.6	2045.0	2103.6	2286.1	1991.4
60°	1275.1	1293.5	1478.0	1869.2	2081.3	2119.9	2183.1	2189.8	2277.4	2508.3	2128.0
62.5°	1220.0	1240.0	1428.3	1801.4	2157.2	2271.1	2352.7	2358.7	2461.4	2736.7	2260.0
65°	1125.7	1148.4	1355.5	1756.8	2226.3	2468.3	2568.2	2572.3	2672.7	2976.0	2361.0
67.5°	992.4	1013.2	1218.2	1658.3	2277.4	2707.8	2854.8	2857.1	2882.3	3145.1	2412.6
70°	836.8	844.7	1022.6	1454.9	2217.0	2931.8	3168.9	3169.4	3073.3	3253.3	2404.1
72.5°	587.9	606.6	742.3	1101.3	1905.2	2904.5	3331.9	3337.9	3162.2	3198.6	2212.0
75°	360.6	380.3	465.6	667.4	1208.7	2284.3	3078.4	3120.0	2995.6	2852.0	1807.0
77.5°	241.1	248.5	303.8	389.1	547.6	1314.2	2366.8	2445.0	2488.6	2079.8	1155.6
80°	134.5	148.6	201.4	241.8	243.6	522.2	1419.1	1437.4	1384.6	828.2	356.5
82.5°	71.2	79.0	134.5	142.1	132.9	174.8	528.9	529.4	442.4	222.1	105.9
85°	55.2	61.7	92.2	86.7	67.9	77.5	174.5	184.0	150.5	90.9	34.5
87.5°	27.5	34.2	62.6	55.0	26.6	22.2	62.4	66.6	59.4	35.6	12.5
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°	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3	920.3
2.5°	922.6	924.2	926.2	924.0	923.3	920.5	915.8	914.7	912.2	912.4	913.8
5°	930.7	933.4	932.3	924.2	914.5	901.0	886.9	874.9	866.9	866.4	865.9
7.5°	946.3	948.0	939.7	916.6	889.5	858.1	828.5	802.6	786.9	783.0	782.2
10°	970.6	970.2	947.5	901.0	846.8	790.8	743.2	707.3	686.3	680.1	678.5
12.5°	997.7	993.7	950.1	872.4	786.6	708.9	648.6	608.6	586.7	579.7	577.9
15°	1025.7	1015.7	943.6	829.8	712.6	620.6	557.3	520.3	508.5	504.6	503.9
17.5°	1051.8	1032.4	924.9	771.9	628.1	532.6	483.3	468.5	471.3	476.4	476.6
20°	1077.4	1043.7	895.0	699.0	539.1	460.2	443.4	454.4	467.7	478.1	479.6
22.5°	1102.6	1051.6	856.4	614.7	459.5	419.5	431.3	451.2	466.5	477.8	479.7
25°	1123.7	1053.6	803.1	524.9	404.1	404.1	425.5	444.3	459.5	470.6	472.5
27.5°	1131.5	1040.5	728.1	441.7	376.3	397.1	417.3	433.0	445.9	457.7	459.8
30°	1134.5	1016.4	641.3	374.9	364.8	389.5	406.4	419.8	432.0	443.1	445.0
32.5°	1135.0	987.3	549.4	337.0	356.9	381.6	392.8	404.7	417.7	422.1	422.8
35°	1138.4	952.9	452.4	317.6	349.5	374.2	383.2	391.6	370.5	372.0	373.5
37.5°	1148.0	918.9	371.3	306.7	344.7	370.3	381.0	350.4	333.8	329.9	329.4
40°	1166.2	882.6	311.2	297.9	343.0	372.2	367.5	327.1	298.6	277.2	274.1
42.5°	1191.4	843.5	272.8	292.0	344.2	381.6	348.6	304.7	257.3	243.6	241.8
45°	1219.8	802.4	252.0	288.0	348.4	388.8	344.7	274.9	238.1	227.7	226.8
47.5°	1247.3	752.2	241.3	286.2	354.2	383.0	328.3	265.8	228.9	223.5	224.0
50°	1278.8	706.9	234.8	284.3	359.4	379.3	309.8	261.0	225.4	232.1	239.2
52.5°	1305.4	660.0	228.9	280.4	361.3	372.8	305.1	261.9	225.4	238.3	245.0
55°	1337.0	624.6	222.2	272.3	357.6	354.2	301.7	267.2	228.1	220.0	220.7
57.5°	1377.7	613.0	214.8	259.6	345.3	327.3	300.1	272.3	226.5	221.4	223.1
60°	1434.1	625.3	211.8	243.0	326.1	306.1	300.3	269.7	215.4	206.6	206.7
62.5°	1487.8	639.1	211.7	232.6	302.4	287.3	296.3	261.0	209.7	204.6	206.6
65°	1505.5	625.1	203.2	221.0	275.8	264.7	288.9	251.9	205.5	197.7	197.4
67.5°	1481.9	582.0	186.1	202.2	245.3	238.5	279.2	240.9	198.8	192.5	191.4
70°	1411.7	485.6	165.0	177.3	210.6	208.8	263.8	228.2	189.8	184.4	179.8
72.5°	1223.0	346.0	139.1	147.5	171.5	177.1	242.7	211.7	177.1	165.3	158.3
75°	1004.4	256.1	114.2	116.0	130.2	145.6	213.6	192.3	162.1	142.1	136.6
77.5°	615.1	156.7	90.9	91.6	93.4	116.1	175.9	170.6	143.1	118.4	114.6
80°	199.2	85.5	65.7	69.1	63.8	85.1	136.1	145.2	122.8	99.0	94.8
82.5°	75.8	49.9	44.4	46.7	44.2	57.1	99.2	116.3	100.6	81.4	66.3
85°	36.7	28.2	26.3	29.4	27.3	29.3	63.4	85.7	76.3	53.0	49.3
87.5°	13.0	12.5	10.0	13.6	11.6	10.4	19.4	43.2	50.4	36.5	32.6
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)