

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: P1208302

Luminaire Tested: UPW-SA1-060-730-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-730-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7033 lumens
Efficiency: N/A
Efficacy: 119.2 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): 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

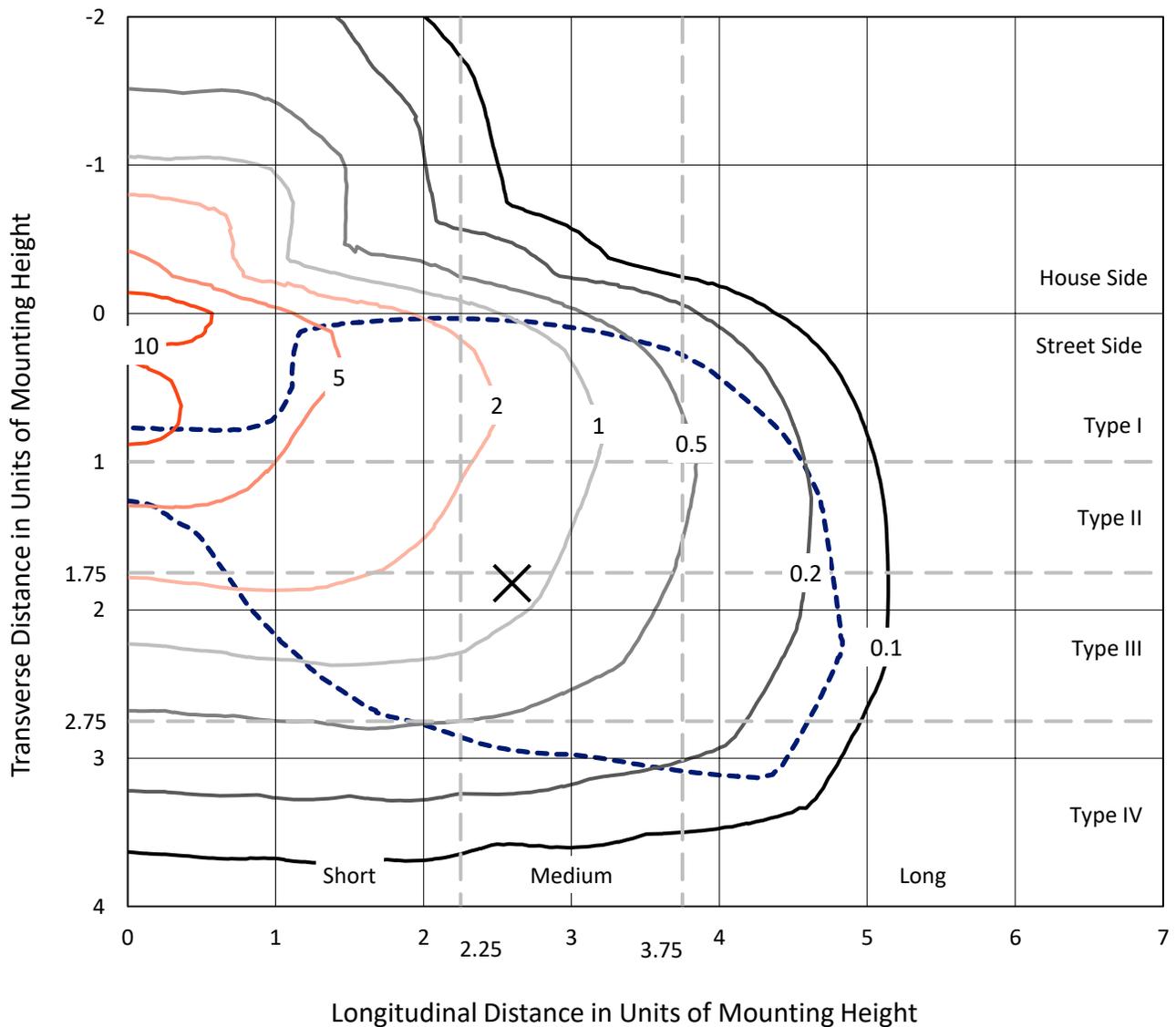


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

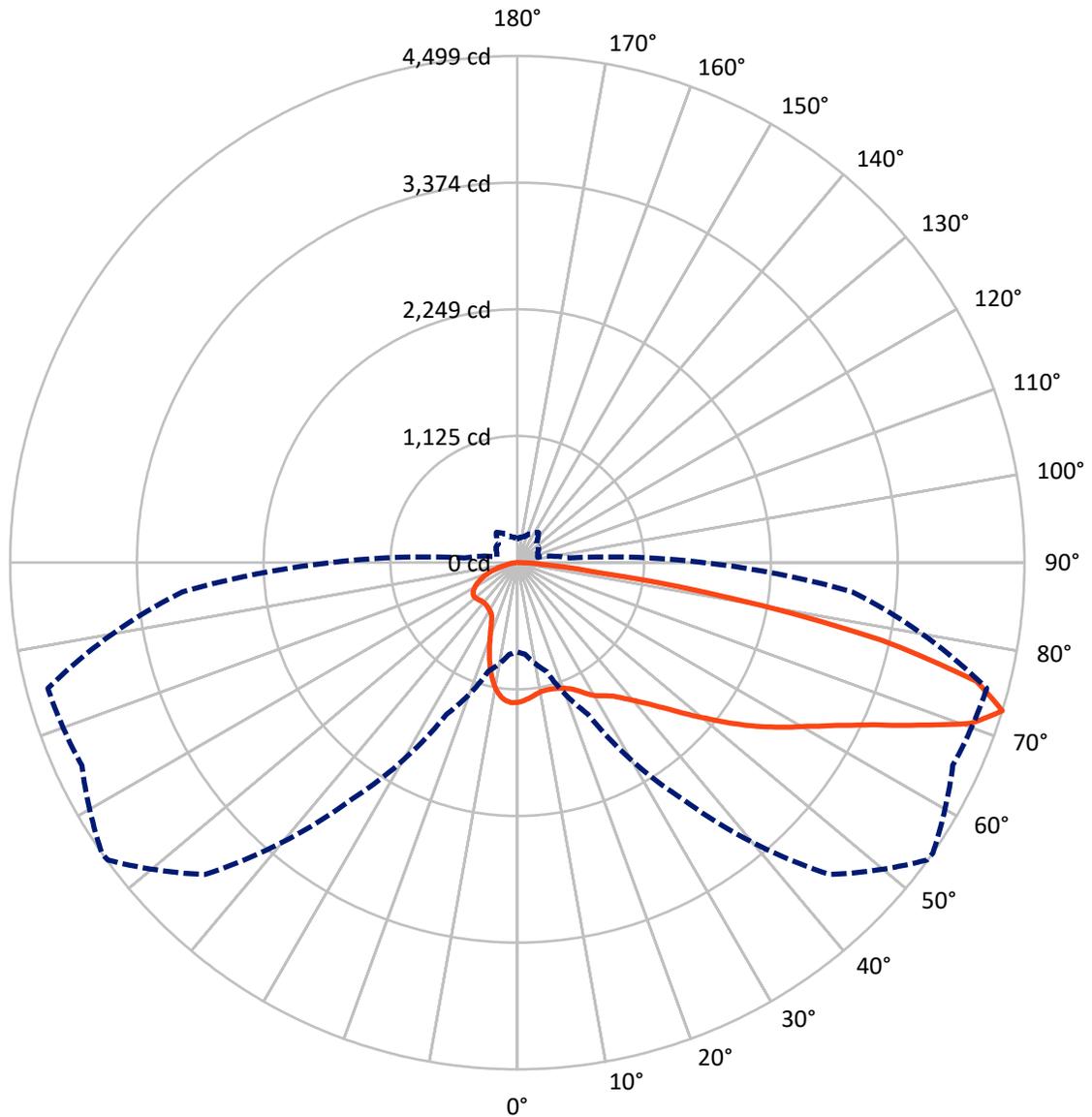


Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type IV - Medium - N/A

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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	1307.2	0.0	1307.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5725.8	0.0	5725.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	7033.0	0.0	7033.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	1.6
10°-20°	298.8	4.2
20°-30°	492.7	7.0
30°-40°	728.9	10.4
40°-50°	1017.3	14.5
50°-60°	1324.6	18.8
60°-70°	1627.9	23.1
70°-80°	1276.1	18.1
80°-90°	154.4	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°	7033.0	100.0
0°-180°	7033.0	100.0



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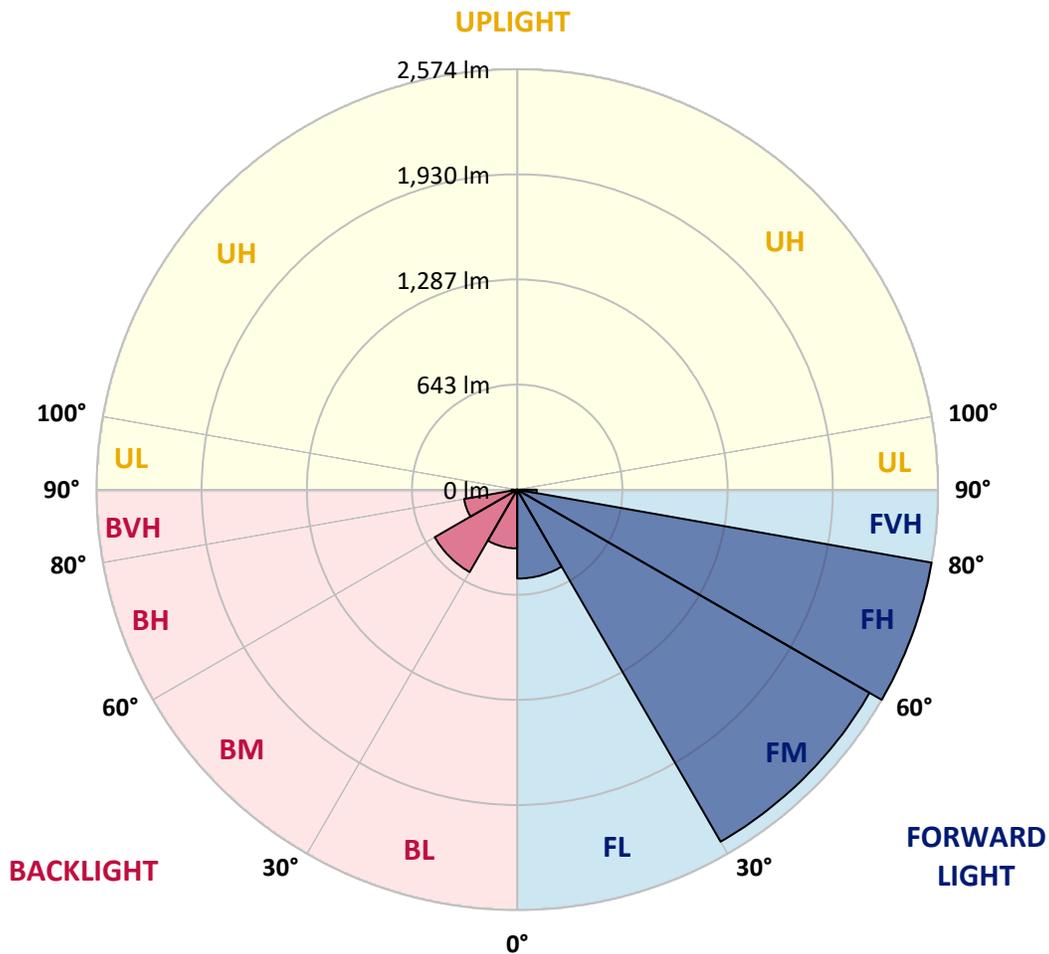
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.1	7.7			
FM	(30°-60°)	2488.4	35.4			
FH	(60°-80°)	2573.8	36.6			G2/5000
FVH	(80°-90°)	119.4	1.7			G2/225
BL	(0°-30°)	359.7	5.1	B1/500		
BM	(30°-60°)	582.4	8.3	B1/1000		
BH	(60°-80°)	330.1	4.7	B1/500		G1/500
BVH	(80°-90°)	35.0	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°	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5
2.5°	1200.1	1197.2	1200.8	1205.8	1211.3	1218.6	1222.9	1224.8	1232.2	1235.0	1241.2
5°	1144.5	1143.1	1149.0	1157.6	1169.7	1186.8	1200.6	1203.2	1222.7	1236.4	1249.0
7.5°	1104.1	1104.1	1111.0	1121.2	1134.8	1157.8	1177.3	1180.8	1213.9	1243.6	1266.8
10°	1072.0	1073.2	1081.3	1093.4	1109.3	1133.8	1159.7	1163.7	1211.5	1260.2	1297.2
12.5°	1050.7	1053.5	1060.9	1071.8	1091.5	1121.2	1154.0	1159.5	1216.5	1283.9	1333.8
15°	1064.2	1069.0	1069.7	1074.2	1085.1	1117.4	1157.3	1163.0	1227.2	1308.2	1375.4
17.5°	1123.6	1125.3	1117.9	1108.4	1103.2	1123.8	1167.3	1173.2	1240.0	1332.2	1415.3
20°	1213.9	1212.9	1197.0	1171.3	1144.7	1148.1	1183.7	1189.9	1257.3	1353.3	1455.2
22.5°	1327.9	1324.6	1300.1	1252.8	1207.5	1188.4	1212.4	1217.7	1283.5	1383.5	1498.0
25°	1466.1	1458.8	1426.5	1363.0	1296.3	1247.4	1255.7	1260.7	1321.5	1417.2	1537.2
27.5°	1612.0	1604.6	1563.5	1486.8	1398.0	1321.7	1315.3	1319.6	1364.7	1442.1	1566.1
30°	1764.5	1756.7	1719.1	1633.1	1505.8	1398.7	1370.9	1372.5	1395.1	1455.7	1589.9
32.5°	1917.7	1910.4	1868.3	1768.5	1622.9	1481.3	1411.0	1408.9	1413.4	1469.7	1616.7
35°	2073.1	2075.9	2026.8	1916.3	1752.6	1573.3	1458.5	1454.0	1444.0	1498.4	1654.8
37.5°	2239.4	2237.5	2173.8	2058.3	1888.3	1673.0	1526.7	1526.0	1491.6	1552.8	1714.4
40°	2350.5	2351.7	2313.0	2203.7	2025.3	1783.5	1614.1	1612.5	1567.3	1634.3	1792.5
42.5°	2394.0	2401.8	2411.8	2342.4	2168.8	1911.5	1718.4	1716.0	1673.0	1751.2	1884.5
45°	2397.1	2412.8	2474.5	2465.7	2314.2	2058.1	1851.7	1845.0	1814.1	1906.6	1994.2
47.5°	2370.5	2386.6	2489.3	2539.1	2444.1	2212.7	2007.5	2002.3	1975.7	2100.9	2113.0
50°	2312.3	2327.7	2458.8	2575.0	2551.0	2361.5	2187.1	2173.3	2159.1	2325.3	2248.9
52.5°	2203.2	2232.9	2418.2	2583.6	2614.9	2493.5	2375.9	2366.9	2374.8	2562.2	2385.0
55°	1945.0	1978.3	2313.5	2576.4	2662.2	2604.5	2564.8	2564.3	2604.9	2810.7	2531.1
57.5°	1800.4	1823.9	2100.2	2564.3	2718.2	2714.7	2751.7	2756.3	2835.4	3081.2	2684.0
60°	1718.7	1743.4	1992.1	2519.4	2805.2	2857.2	2942.5	2951.5	3069.6	3380.8	2868.1
62.5°	1644.3	1671.4	1925.1	2428.0	2907.6	3061.0	3171.0	3179.1	3317.6	3688.6	3046.1
65°	1517.2	1547.9	1827.0	2367.9	3000.7	3326.8	3461.5	3467.0	3602.4	4011.2	3182.2
67.5°	1337.6	1365.7	1641.9	2235.1	3069.6	3649.7	3847.8	3850.9	3884.8	4239.0	3251.8
70°	1127.9	1138.6	1378.2	1960.9	2988.1	3951.6	4271.1	4271.8	4142.3	4384.9	3240.4
72.5°	792.5	817.6	1000.5	1484.4	2567.9	3914.8	4490.8	4498.9	4262.1	4311.2	2981.5
75°	486.0	512.6	627.6	899.6	1629.1	3078.8	4149.2	4205.3	4037.6	3844.0	2435.6
77.5°	325.0	334.9	409.5	524.5	738.1	1771.4	3190.0	3295.5	3354.2	2803.3	1557.6
80°	181.2	200.3	271.5	325.9	328.3	703.9	1912.7	1937.4	1866.2	1116.2	480.6
82.5°	96.0	106.4	181.2	191.5	179.1	235.6	712.9	713.6	596.2	299.3	142.8
85°	74.4	83.1	124.2	116.9	91.5	104.5	235.2	248.0	202.9	122.6	46.6
87.5°	37.1	46.1	84.3	74.1	35.9	29.9	84.1	89.8	80.1	48.0	16.9
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°	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5
2.5°	1243.6	1245.7	1248.3	1245.5	1244.5	1240.7	1234.3	1232.9	1229.5	1229.8	1231.7
5°	1254.5	1258.0	1256.6	1245.7	1232.6	1214.3	1195.3	1179.2	1168.5	1167.8	1167.1
7.5°	1275.4	1277.8	1266.6	1235.5	1198.9	1156.6	1116.7	1081.8	1060.6	1055.4	1054.2
10°	1308.2	1307.7	1277.1	1214.3	1141.4	1065.9	1001.7	953.3	925.0	916.7	914.6
12.5°	1344.8	1339.3	1280.6	1175.9	1060.2	955.4	874.2	820.2	790.8	781.3	778.9
15°	1382.5	1369.0	1271.8	1118.4	960.4	836.4	751.1	701.2	685.3	680.1	679.1
17.5°	1417.7	1391.5	1246.6	1040.5	846.6	717.9	651.4	631.4	635.2	642.1	642.3
20°	1452.1	1406.8	1206.3	942.1	726.7	620.2	597.7	612.4	630.4	644.5	646.4
22.5°	1486.1	1417.4	1154.2	828.6	619.3	565.4	581.3	608.1	628.8	644.0	646.6
25°	1514.6	1420.1	1082.5	707.4	544.7	544.7	573.4	598.9	619.3	634.3	636.9
27.5°	1525.1	1402.5	981.3	595.3	507.2	535.2	562.5	583.7	601.0	616.9	619.8
30°	1529.1	1369.9	864.4	505.3	491.7	525.0	547.8	565.8	582.2	597.2	599.8
32.5°	1529.8	1330.7	740.4	454.2	481.0	514.3	529.5	545.4	563.0	568.9	569.9
35°	1534.3	1284.4	609.8	428.1	471.1	504.3	516.4	527.8	499.3	501.5	503.4
37.5°	1547.4	1238.6	500.5	413.3	464.6	499.1	513.6	472.2	449.9	444.7	444.0
40°	1571.8	1189.6	419.5	401.5	462.3	501.7	495.3	440.9	402.4	373.7	369.4
42.5°	1605.8	1136.9	367.7	393.6	463.9	514.3	469.9	410.7	346.8	328.3	325.9
45°	1644.1	1081.6	339.7	388.2	469.6	524.0	464.6	370.6	320.9	306.9	305.7
47.5°	1681.1	1013.9	325.2	385.8	477.5	516.2	442.5	358.2	308.6	301.2	301.9
50°	1723.6	952.8	316.4	383.2	484.4	511.2	417.6	351.8	303.8	312.8	322.4
52.5°	1759.5	889.6	308.6	377.9	487.0	502.4	411.2	353.0	303.8	321.2	330.2
55°	1802.0	841.9	299.5	367.0	482.0	477.5	406.7	360.1	307.4	296.5	297.4
57.5°	1856.9	826.2	289.6	349.9	465.4	441.1	404.5	367.0	305.2	298.4	300.7
60°	1932.9	842.8	285.5	327.6	439.5	412.6	404.8	363.4	290.3	278.4	278.6
62.5°	2005.4	861.3	285.3	313.6	407.6	387.2	399.3	351.8	282.7	275.8	278.4
65°	2029.1	842.6	273.9	297.9	371.8	356.8	389.3	339.5	277.0	266.5	266.1
67.5°	1997.3	784.4	250.8	272.5	330.7	321.4	376.3	324.7	268.0	259.4	258.0
70°	1902.8	654.4	222.3	239.0	283.9	281.5	355.6	307.6	255.8	248.5	242.3
72.5°	1648.3	466.3	187.4	198.8	231.1	238.7	327.1	285.3	238.7	222.8	213.3
75°	1353.8	345.2	153.9	156.3	175.5	196.2	287.9	259.2	218.5	191.5	184.1
77.5°	829.0	211.2	122.6	123.5	125.9	156.5	237.1	229.9	192.9	159.6	154.4
80°	268.4	115.2	88.6	93.1	86.0	114.7	183.4	195.7	165.6	133.5	127.8
82.5°	102.1	67.2	59.9	62.9	59.6	77.0	133.7	156.8	135.6	109.7	89.3
85°	49.4	38.0	35.4	39.7	36.8	39.4	85.5	115.4	102.9	71.5	66.5
87.5°	17.6	16.9	13.5	18.3	15.7	14.0	26.1	58.2	67.9	49.2	43.9
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)