

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: P1208275

Luminaire Tested: UPW-SA1-060-727-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208275
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-SA1-060-727-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6459 lumens
Efficiency: N/A
Efficacy: 109.5 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

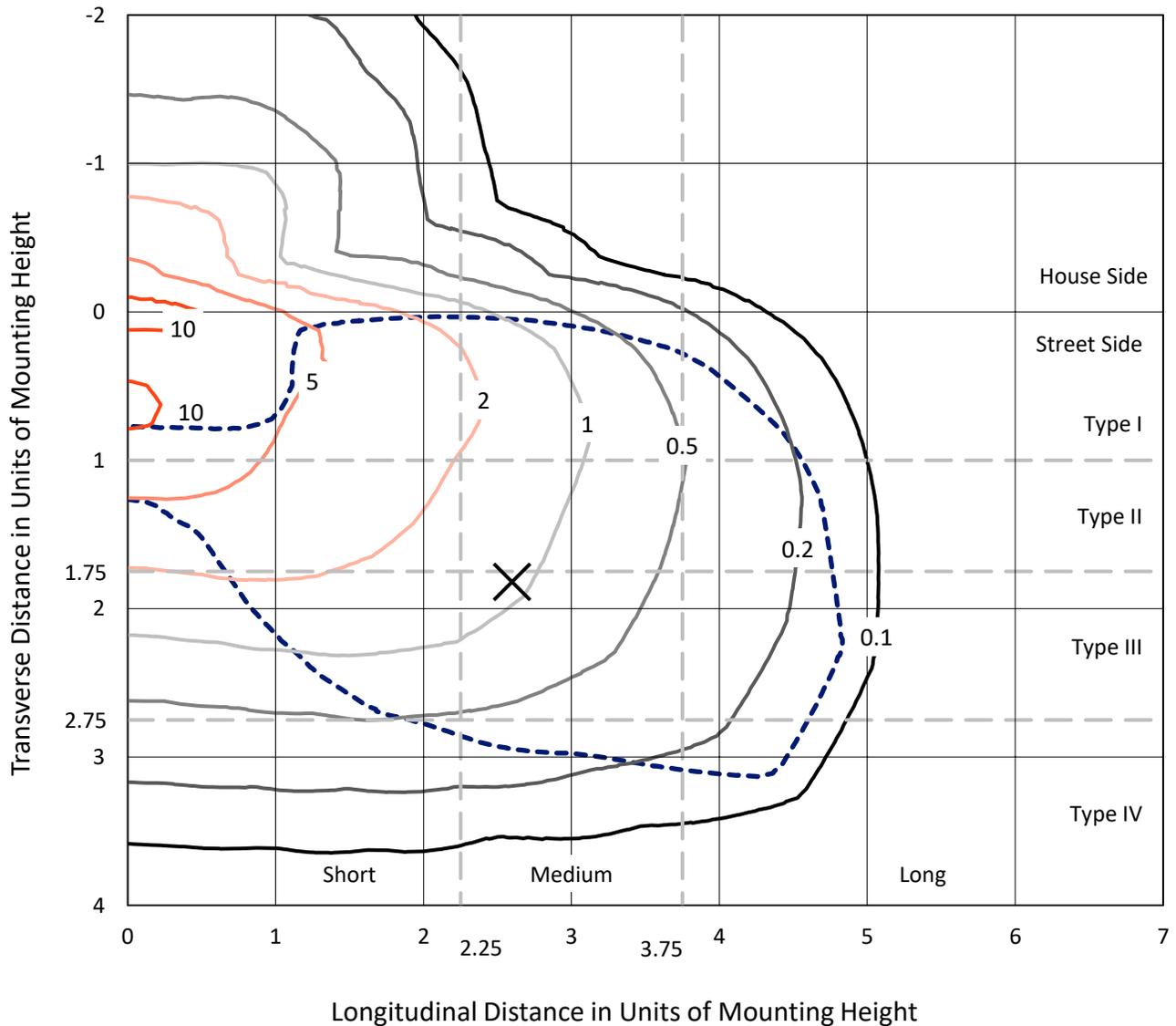


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Iso-Footcandle Lines of Horizontal Illumination

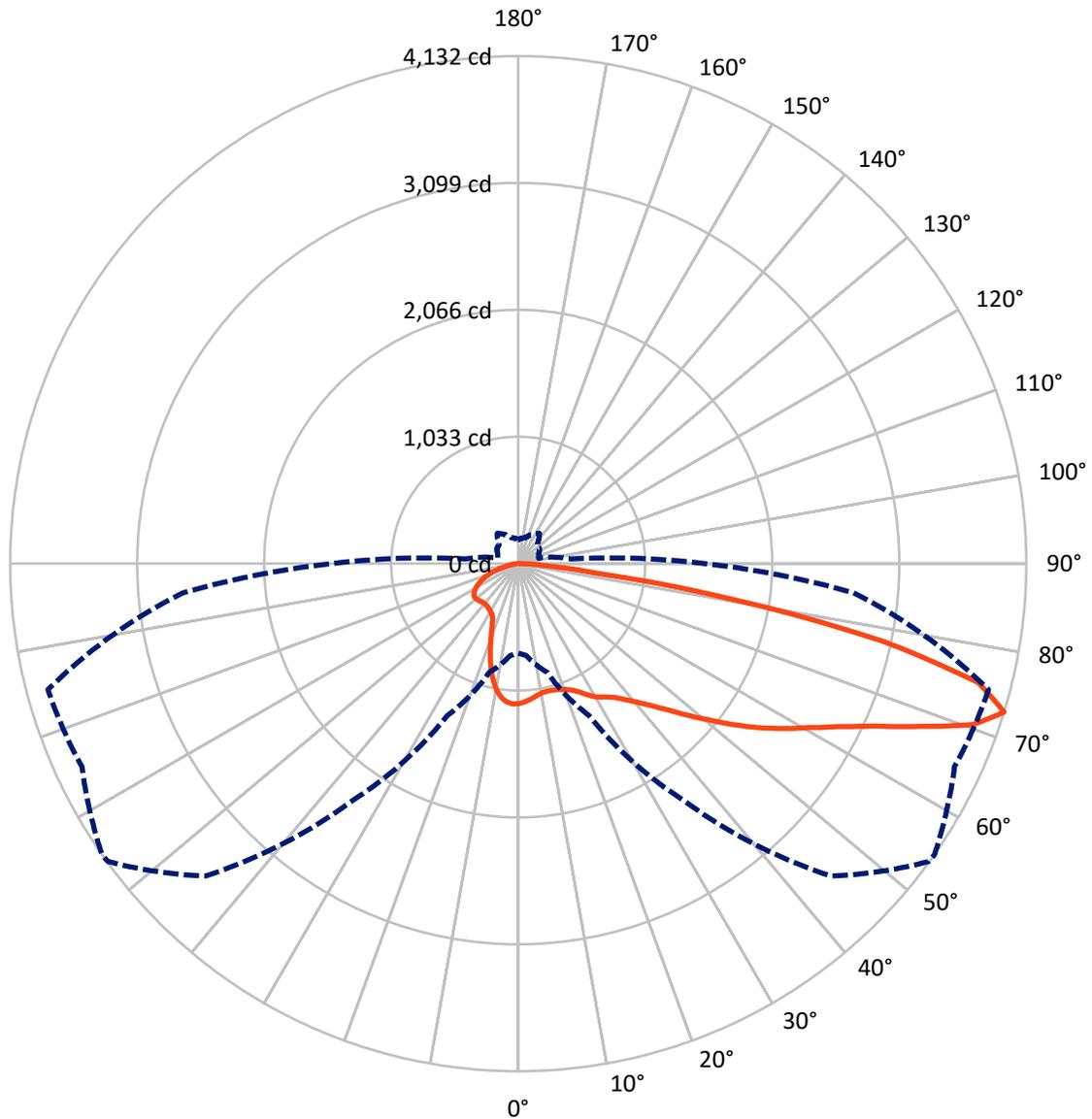
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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	1200.5	0.0	1200.5
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5258.5	0.0	5258.5
	% Fixture	81.4	0.0	81.4
Total	Lumens	6459.0	0.0	6459.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.6
10°-20°	274.5	4.2
20°-30°	452.5	7.0
30°-40°	669.4	10.4
40°-50°	934.3	14.5
50°-60°	1216.5	18.8
60°-70°	1495.0	23.1
70°-80°	1171.9	18.1
80°-90°	141.8	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°	6459.0	100.0
0°-180°	6459.0	100.0



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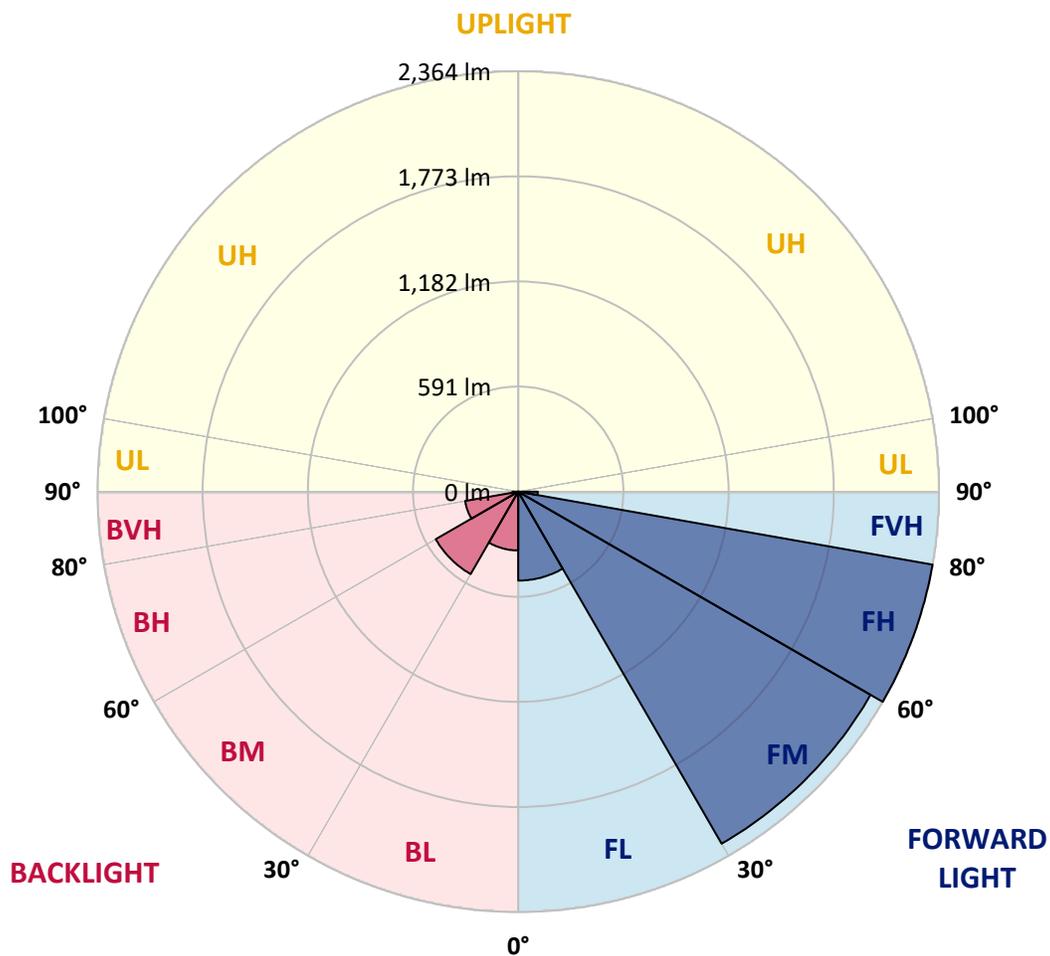
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.7	7.7			
FM (30°-60°)	2285.3	35.4			
FH (60°-80°)	2363.8	36.6			G2/5000
FVH (80°-90°)	109.6	1.7			G2/225
BL (0°-30°)	330.3	5.1	B1/500		
BM (30°-60°)	534.8	8.3	B1/1000		
BH (60°-80°)	303.2	4.7	B1/500		G1/500
BVH (80°-90°)	32.2	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°	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2
2.5°	1102.1	1099.5	1102.8	1107.4	1112.4	1119.2	1123.1	1124.8	1131.6	1134.2	1139.9
5°	1051.1	1049.8	1055.2	1063.1	1074.2	1089.9	1102.6	1105.0	1122.9	1135.5	1147.1
7.5°	1014.0	1014.0	1020.3	1029.7	1042.1	1063.3	1081.2	1084.5	1114.8	1142.1	1163.4
10°	984.6	985.6	993.1	1004.2	1018.8	1041.3	1065.1	1068.8	1112.6	1157.3	1191.4
12.5°	964.9	967.5	974.3	984.3	1002.4	1029.7	1059.8	1064.8	1117.2	1179.2	1225.0
15°	977.4	981.7	982.4	986.5	996.6	1026.2	1062.9	1068.1	1127.0	1201.4	1263.1
17.5°	1031.9	1033.4	1026.7	1017.9	1013.1	1032.1	1072.0	1077.5	1138.8	1223.4	1299.8
20°	1114.8	1113.9	1099.3	1075.7	1051.3	1054.4	1087.1	1092.8	1154.7	1242.9	1336.4
22.5°	1219.5	1216.5	1194.0	1150.6	1108.9	1091.5	1113.5	1118.3	1178.7	1270.6	1375.7
25°	1346.5	1339.7	1310.0	1251.8	1190.5	1145.6	1153.2	1157.8	1213.6	1301.5	1411.7
27.5°	1480.4	1473.7	1435.9	1365.5	1283.9	1213.8	1207.9	1211.9	1253.3	1324.4	1438.3
30°	1620.5	1613.3	1578.8	1499.8	1382.9	1284.5	1259.0	1260.5	1281.3	1336.9	1460.1
32.5°	1761.2	1754.4	1715.8	1624.2	1490.5	1360.4	1295.9	1293.9	1298.0	1349.8	1484.8
35°	1903.9	1906.5	1861.3	1759.9	1609.6	1444.9	1339.5	1335.4	1326.2	1376.1	1519.7
37.5°	2056.6	2054.8	1996.4	1890.4	1734.1	1536.5	1402.1	1401.5	1369.8	1426.1	1574.5
40°	2158.7	2159.8	2124.2	2023.9	1860.0	1637.9	1482.4	1480.9	1439.4	1500.9	1646.2
42.5°	2198.6	2205.8	2215.0	2151.3	1991.8	1755.5	1578.2	1576.0	1536.5	1608.3	1730.7
45°	2201.4	2215.8	2272.6	2264.5	2125.3	1890.1	1700.6	1694.4	1666.1	1750.9	1831.4
47.5°	2177.0	2191.8	2286.1	2331.9	2244.6	2032.2	1843.7	1838.9	1814.4	1929.4	1940.5
50°	2123.6	2137.7	2258.2	2364.8	2342.8	2168.7	2008.6	1995.9	1982.9	2135.6	2065.3
52.5°	2023.4	2050.7	2220.9	2372.7	2401.5	2290.0	2182.0	2173.7	2180.9	2353.1	2190.3
55°	1786.3	1816.8	2124.7	2366.2	2444.9	2391.9	2355.5	2355.0	2392.3	2581.3	2324.5
57.5°	1653.4	1675.0	1928.7	2355.0	2496.4	2493.1	2527.2	2531.3	2604.0	2829.7	2465.0
60°	1578.4	1601.1	1829.5	2313.8	2576.2	2624.0	2702.3	2710.6	2819.1	3104.8	2634.1
62.5°	1510.1	1535.0	1768.0	2229.8	2670.3	2811.2	2912.2	2919.6	3046.8	3387.6	2797.5
65°	1393.4	1421.5	1677.9	2174.6	2755.8	3055.3	3179.0	3184.0	3308.4	3683.8	2922.5
67.5°	1228.5	1254.2	1507.9	2052.7	2819.1	3351.8	3533.7	3536.6	3567.8	3893.1	2986.4
70°	1035.8	1045.6	1265.8	1800.9	2744.2	3629.1	3922.5	3923.2	3804.3	4027.0	2975.9
72.5°	727.8	750.9	918.9	1363.3	2358.3	3595.3	4124.3	4131.7	3914.2	3959.4	2738.1
75°	446.4	470.8	576.4	826.2	1496.1	2827.6	3810.6	3862.1	3708.1	3530.3	2236.8
77.5°	298.4	307.6	376.1	481.7	677.8	1626.8	2929.7	3026.5	3080.4	2574.5	1430.5
80°	166.5	183.9	249.4	299.3	301.5	646.4	1756.6	1779.3	1713.9	1025.1	441.3
82.5°	88.1	97.7	166.5	175.8	164.5	216.4	654.7	655.4	547.6	274.9	131.1
85°	68.3	76.4	114.1	107.3	84.0	96.0	216.0	227.8	186.3	112.6	42.8
87.5°	34.0	42.3	77.4	68.1	32.9	27.5	77.2	82.5	73.5	44.1	15.5
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°	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2	1139.2
2.5°	1142.1	1144.0	1146.4	1143.8	1142.9	1139.4	1133.6	1132.2	1129.2	1129.4	1131.2
5°	1152.1	1155.4	1154.1	1144.0	1132.0	1115.2	1097.8	1082.9	1073.1	1072.5	1071.8
7.5°	1171.3	1173.5	1163.2	1134.6	1101.1	1062.2	1025.6	993.5	974.1	969.3	968.2
10°	1201.4	1201.0	1172.8	1115.2	1048.3	978.9	920.0	875.5	849.5	841.9	839.9
12.5°	1235.0	1230.0	1176.1	1079.9	973.6	877.4	802.8	753.3	726.3	717.5	715.3
15°	1269.7	1257.3	1168.0	1027.1	882.0	768.1	689.8	644.0	629.4	624.6	623.7
17.5°	1302.0	1278.0	1144.9	955.5	777.5	659.3	598.2	579.9	583.4	589.7	589.9
20°	1333.6	1291.9	1107.8	865.2	667.3	569.6	548.9	562.4	579.0	591.9	593.6
22.5°	1364.8	1301.8	1060.0	760.9	568.7	519.2	533.8	558.5	577.5	591.4	593.8
25°	1391.0	1304.2	994.2	649.7	500.2	500.2	526.6	550.0	568.7	582.5	584.9
27.5°	1400.6	1288.0	901.2	546.7	465.8	491.5	516.6	536.0	551.9	566.6	569.2
30°	1404.3	1258.1	793.9	464.0	451.6	482.1	503.1	519.7	534.7	548.5	550.9
32.5°	1404.9	1222.1	680.0	417.1	441.8	472.3	486.3	500.9	517.0	522.5	523.4
35°	1409.1	1179.6	560.0	393.1	432.6	463.2	474.3	484.8	458.6	460.5	462.3
37.5°	1421.1	1137.5	459.7	379.6	426.7	458.4	471.7	433.7	413.2	408.4	407.7
40°	1443.6	1092.5	385.3	368.7	424.5	460.8	454.9	404.9	369.6	343.2	339.2
42.5°	1474.8	1044.1	337.7	361.5	426.1	472.3	431.5	377.2	318.5	301.5	299.3
45°	1509.9	993.3	312.0	356.5	431.3	481.3	426.7	340.3	294.7	281.9	280.8
47.5°	1543.9	931.1	298.7	354.3	438.5	474.1	406.4	329.0	283.4	276.6	277.3
50°	1583.0	875.0	290.6	351.9	444.8	469.5	383.5	323.1	279.0	287.3	296.0
52.5°	1615.9	817.0	283.4	347.1	447.2	461.4	377.6	324.2	279.0	295.0	303.2
55°	1655.0	773.2	275.1	337.1	442.6	438.5	373.5	330.7	282.3	272.3	273.1
57.5°	1705.4	758.8	265.9	321.3	427.4	405.1	371.5	337.1	280.3	274.0	276.2
60°	1775.2	774.0	262.2	300.8	403.6	378.9	371.7	333.8	266.6	255.7	255.9
62.5°	1841.7	791.0	262.0	288.0	374.4	355.6	366.7	323.1	259.6	253.3	255.7
65°	1863.5	773.8	251.5	273.6	341.4	327.7	357.6	311.7	254.4	244.8	244.3
67.5°	1834.3	720.4	230.4	250.2	303.7	295.2	345.6	298.2	246.1	238.2	236.9
70°	1747.5	601.0	204.2	219.5	260.7	258.5	326.6	282.5	235.0	228.2	222.5
72.5°	1513.8	428.2	172.1	182.6	212.3	219.3	300.4	262.0	219.3	204.6	195.9
75°	1243.3	317.0	141.4	143.5	161.2	180.2	264.4	238.0	200.7	175.8	169.1
77.5°	761.4	193.9	112.6	113.4	115.6	143.8	217.7	211.2	177.1	146.6	141.8
80°	246.5	105.8	81.4	85.5	79.0	105.4	168.4	179.8	152.1	122.6	117.4
82.5°	93.8	61.7	55.0	57.8	54.8	70.7	122.8	144.0	124.6	100.8	82.0
85°	45.4	34.9	32.5	36.4	33.8	36.2	78.5	106.0	94.5	65.7	61.1
87.5°	16.1	15.5	12.4	16.8	14.4	12.9	24.0	53.4	62.4	45.2	40.4
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)