

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: P1208044

Luminaire Tested: UPW-SA1-040-730-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5274 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - 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

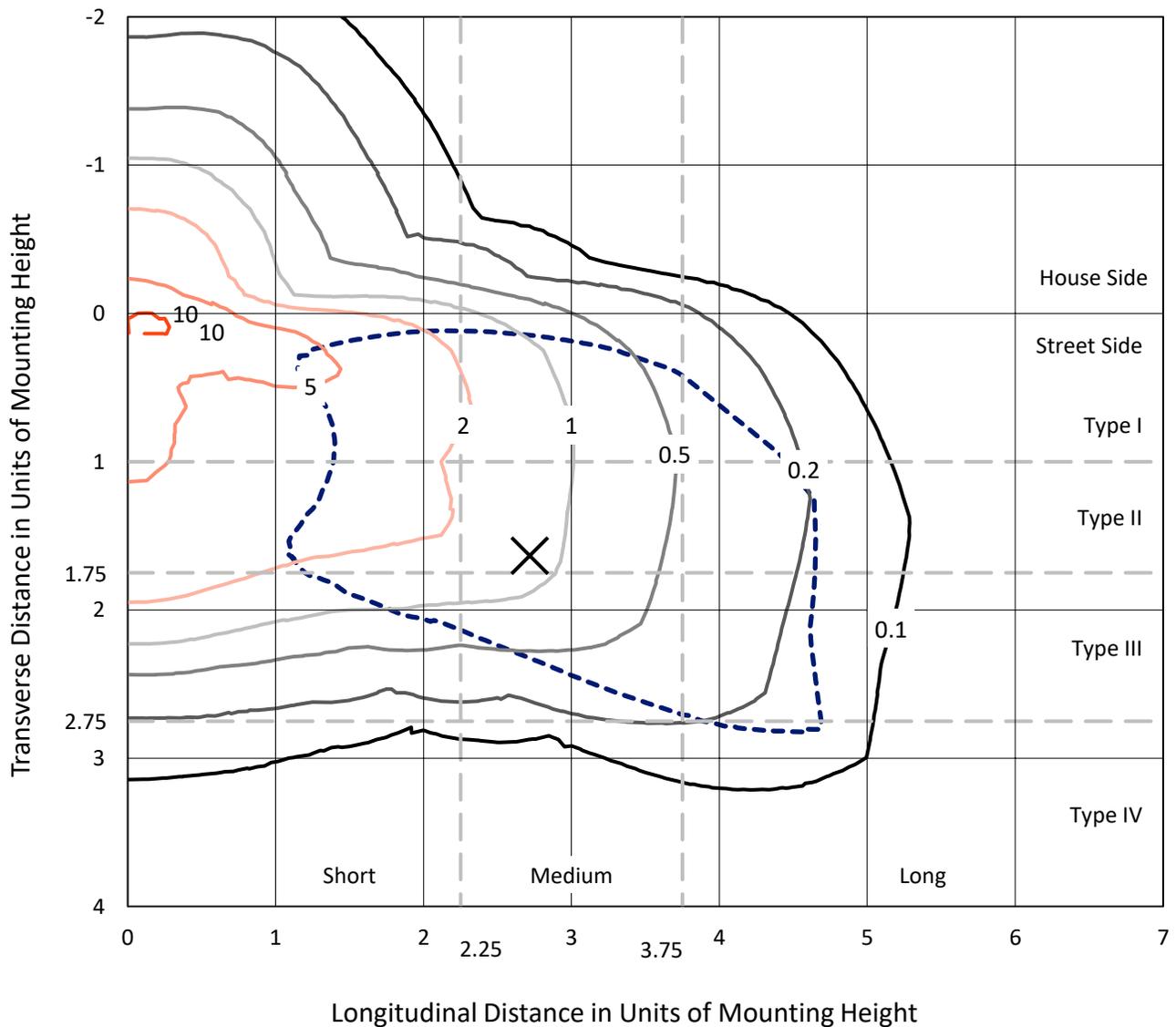


REPORT NUMBER: P1208044

CATALOG NUMBER: UPW-SA1-040-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

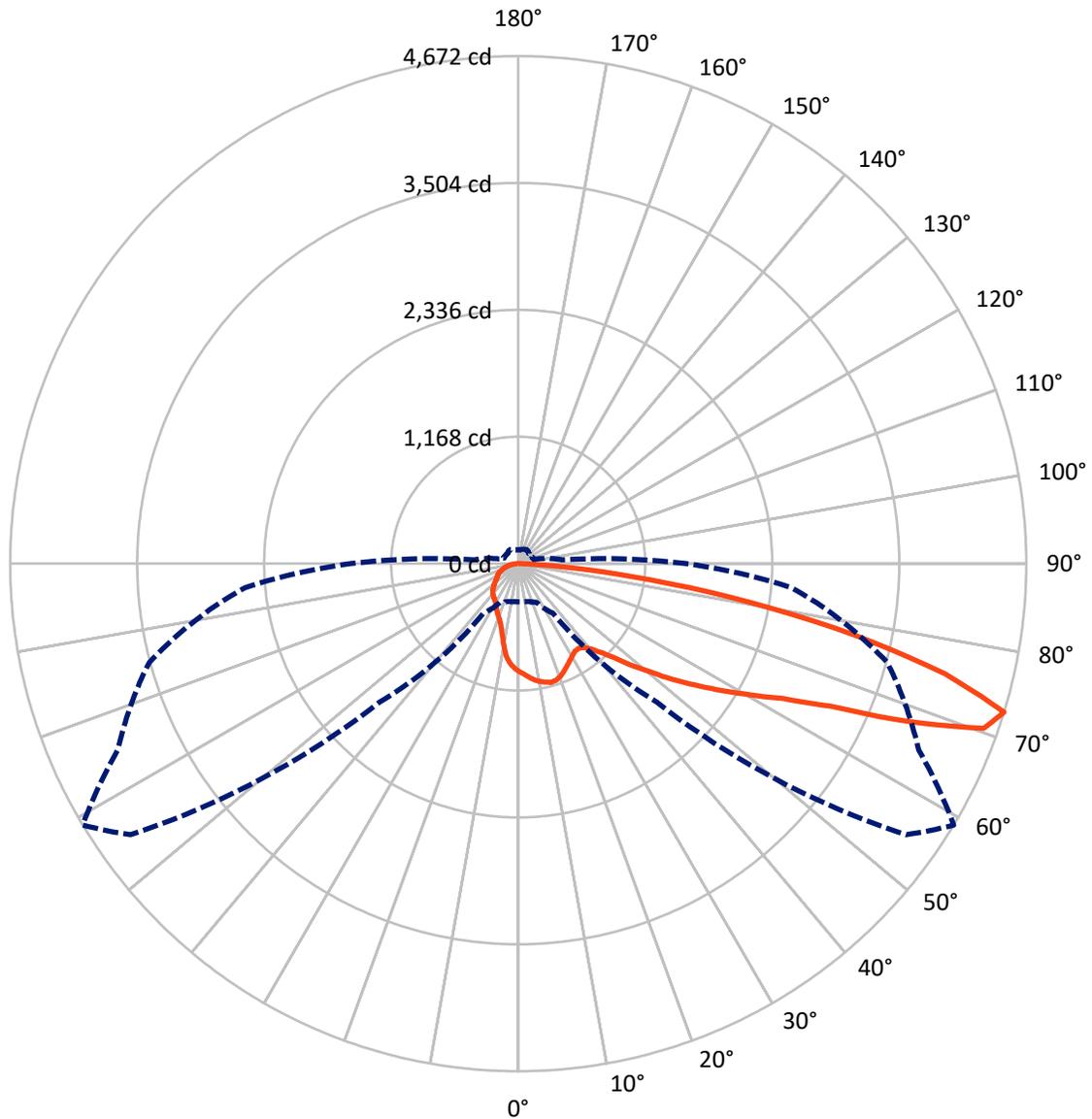


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P1208044

CATALOG NUMBER: UPW-SA1-040-730-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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CATALOG NUMBER: UPW-SA1-040-730-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	897.4	0.0	897.4
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	4376.6	0.0	4376.6
	% Fixture	83.0	0.0	83.0
Total	Lumens	5274.0	0.0	5274.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.7
10°-20°	227.8	4.3
20°-30°	335.0	6.4
30°-40°	460.3	8.7
40°-50°	687.6	13.0
50°-60°	1047.9	19.9
60°-70°	1343.1	25.5
70°-80°	928.5	17.6
80°-90°	154.5	2.9
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°	5274.0	100.0
0°-180°	5274.0	100.0



REPORT NUMBER: P1208044

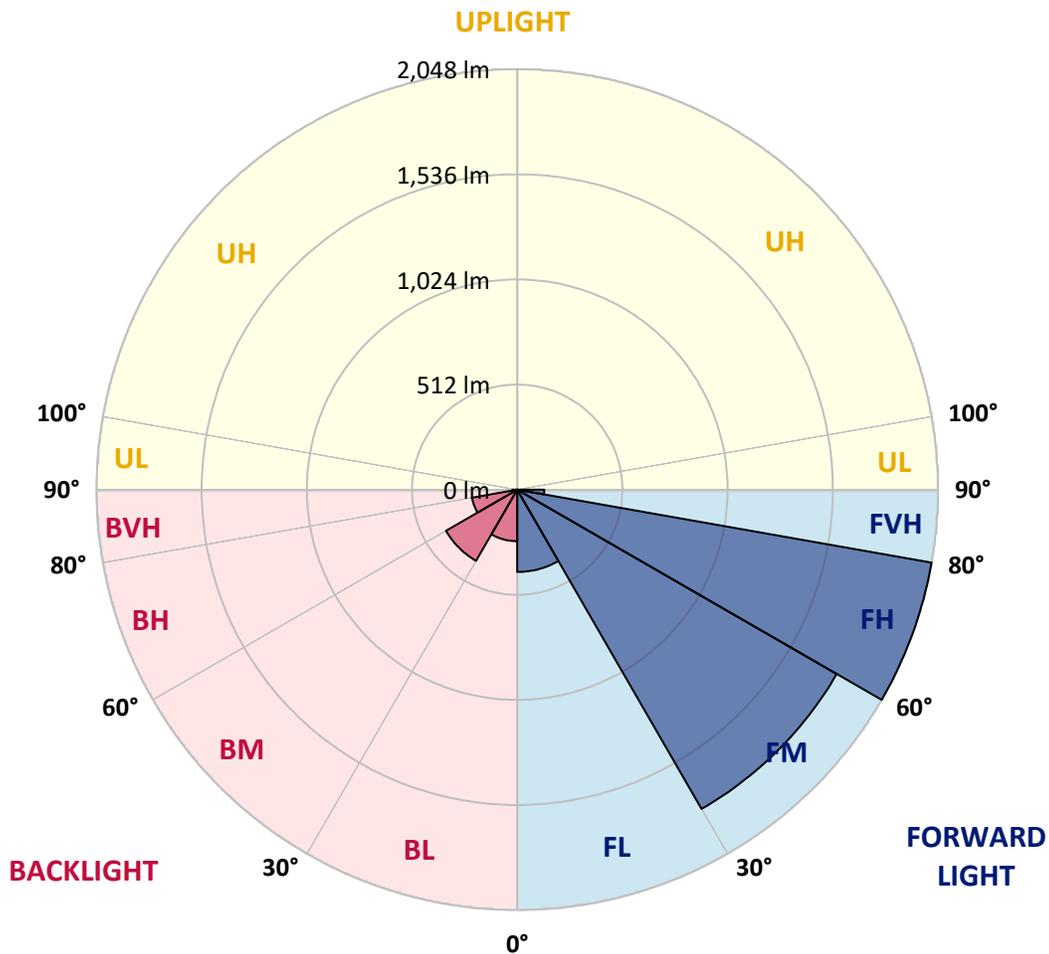
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	401.0	7.6			
FM	(30°-60°)	1795.6	34.0			
FH	(60°-80°)	2048.2	38.8			G2/5000
FVH	(80°-90°)	131.8	2.5			G2/225
BL	(0°-30°)	251.1	4.8	B1/500		
BM	(30°-60°)	400.3	7.6	B1/1000		
BH	(60°-80°)	223.3	4.2	B1/500		G1/500
BVH	(80°-90°)	22.7	0.4			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 III Medium





REPORT NUMBER: P1208044

CATALOG NUMBER: UPW-SA1-040-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0
2.5°	1035.4	1032.5	1033.9	1036.1	1030.3	1031.0	1023.7	1017.8	1013.4	1010.5	1003.9
5°	1061.0	1053.7	1056.6	1063.2	1056.6	1062.4	1054.4	1050.0	1042.7	1038.3	1023.7
7.5°	1039.8	1034.6	1042.0	1058.8	1066.8	1082.2	1083.6	1080.7	1077.8	1068.3	1050.0
10°	941.8	938.9	957.9	1002.5	1039.8	1077.1	1101.9	1101.9	1103.4	1096.8	1074.9
12.5°	817.5	815.3	840.1	895.0	968.1	1053.7	1112.9	1119.5	1131.2	1129.0	1101.2
15°	734.9	733.4	753.1	797.0	872.3	993.7	1111.4	1133.4	1157.5	1162.6	1128.2
17.5°	692.4	692.4	706.3	740.0	791.9	910.3	1079.3	1127.5	1176.5	1200.6	1159.0
20°	680.7	679.3	687.3	707.8	743.6	835.8	1031.0	1107.0	1191.1	1231.3	1178.7
22.5°	686.6	685.1	688.1	698.3	718.8	786.0	979.1	1076.3	1199.2	1258.4	1196.2
25°	715.1	713.7	710.0	709.3	713.7	762.6	926.4	1042.0	1207.2	1297.1	1217.4
27.5°	770.7	766.3	753.9	742.2	730.5	757.5	892.8	1011.2	1217.4	1329.3	1230.6
30°	842.3	840.9	825.5	803.6	764.8	769.2	871.6	982.7	1217.4	1354.2	1229.9
32.5°	895.0	895.7	892.8	879.6	824.8	795.5	863.5	959.3	1215.3	1388.5	1232.8
35°	950.6	950.6	943.2	943.2	907.4	846.7	875.2	957.1	1227.7	1445.6	1254.0
37.5°	1044.9	1043.4	1028.1	1012.7	986.4	929.4	909.6	978.3	1262.1	1537.0	1282.5
40°	1169.2	1172.1	1140.7	1098.3	1067.6	1025.1	974.0	1032.5	1315.4	1645.9	1319.1
42.5°	1319.1	1327.1	1278.1	1219.6	1166.3	1110.7	1063.9	1118.7	1409.8	1800.9	1382.0
45°	1503.3	1495.3	1433.9	1355.6	1285.4	1191.1	1162.6	1230.6	1532.6	2010.8	1478.5
47.5°	1663.5	1667.9	1592.6	1507.0	1420.0	1289.1	1287.6	1394.4	1694.9	2225.8	1589.6
50°	1819.2	1832.4	1749.0	1659.1	1566.2	1398.8	1445.6	1556.7	1868.9	2445.1	1727.1
52.5°	1941.3	1950.1	1872.6	1795.1	1703.0	1543.6	1632.0	1765.1	2045.2	2655.0	1885.0
55°	2037.9	2050.3	1963.3	1898.9	1828.7	1701.5	1845.5	1970.6	2228.0	2850.2	2046.6
57.5°	2168.7	2176.1	2066.4	2010.1	1944.3	1881.4	2080.3	2201.6	2423.9	3016.2	2214.1
60°	2268.9	2273.3	2160.0	2142.4	2141.0	2129.3	2341.3	2449.5	2608.2	3171.2	2385.2
62.5°	2181.9	2181.9	2103.7	2152.7	2330.3	2536.5	2703.2	2735.4	2798.3	3321.8	2549.7
65°	1728.6	1746.1	1754.9	1919.4	2316.4	2953.3	3303.6	3161.7	3035.9	3460.0	2684.2
67.5°	907.4	942.5	1023.7	1307.4	1909.9	3105.4	4072.8	3884.9	3373.0	3552.9	2736.9
70°	462.1	472.4	514.8	673.4	1202.1	2705.4	4529.8	4540.8	3775.2	3593.1	2698.9
72.5°	351.0	351.0	360.5	391.9	555.7	1804.6	4350.6	4671.6	4063.3	3512.0	2519.7
75°	292.5	296.1	315.1	319.5	280.8	936.7	3528.8	4053.0	3756.9	3214.4	2200.9
77.5°	234.7	236.9	266.9	284.4	189.4	400.7	2573.1	3163.2	2897.0	2598.0	1550.1
80°	177.0	180.6	207.7	243.5	140.4	192.3	1733.7	2163.6	1812.6	1592.6	715.8
82.5°	118.5	119.9	141.9	192.3	103.8	106.8	1021.5	1212.3	881.1	596.7	187.9
85°	72.4	73.9	88.5	124.3	68.7	57.0	453.3	468.7	278.6	141.9	67.3
87.5°	32.9	36.6	46.1	60.0	34.4	23.4	76.0	74.6	54.8	51.2	28.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208044

CATALOG NUMBER: UPW-SA1-040-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0	993.0
2.5°	994.4	986.4	978.3	967.4	957.9	941.8	930.8	919.8	914.0	912.5	910.3
5°	1012.0	998.1	974.7	944.0	910.3	872.3	836.5	805.1	783.8	777.3	780.2
7.5°	1032.5	1012.7	966.6	907.4	839.4	764.8	702.0	661.0	635.4	620.8	623.7
10°	1050.7	1022.2	949.1	849.7	733.4	639.8	590.1	561.6	548.4	546.9	546.2
12.5°	1069.0	1031.7	922.0	767.0	638.3	564.5	539.6	531.6	530.1	531.6	530.9
15°	1090.2	1036.8	876.0	681.5	571.1	533.0	525.0	522.8	523.5	527.2	526.5
17.5°	1107.8	1034.6	804.3	604.0	535.2	517.7	510.4	506.7	510.4	517.0	517.0
20°	1113.6	1013.4	721.7	549.9	515.5	500.9	490.6	484.8	489.2	497.2	498.7
22.5°	1109.2	973.2	636.9	511.8	495.0	481.1	470.2	464.3	466.5	472.4	473.1
25°	1102.6	920.6	562.3	482.6	468.7	457.7	454.8	447.5	443.8	447.5	448.2
27.5°	1082.9	851.1	500.9	452.6	439.5	440.9	439.5	432.9	427.8	427.0	428.5
30°	1039.0	754.6	454.8	421.9	417.5	425.6	425.6	416.1	406.5	405.1	407.3
32.5°	986.4	655.9	416.8	396.3	405.1	409.5	409.5	401.4	391.9	386.1	389.0
35°	934.5	562.3	387.5	378.8	395.6	399.2	395.6	392.7	377.3	362.7	366.3
37.5°	874.5	481.9	361.9	365.6	384.6	386.1	386.1	375.8	355.4	342.9	345.9
40°	809.4	421.2	340.7	353.9	372.9	372.9	367.1	360.5	350.2	337.8	339.3
42.5°	767.8	380.2	324.7	341.5	354.6	359.0	345.9	351.0	342.2	329.0	330.5
45°	761.9	354.6	311.5	322.5	334.2	332.7	333.4	337.1	329.0	311.5	310.8
47.5°	797.7	346.6	299.1	301.3	311.5	316.6	321.0	322.5	310.8	291.7	288.8
50°	877.4	360.5	286.6	282.2	291.0	302.7	307.1	309.3	295.4	275.7	272.7
52.5°	1000.3	403.6	275.7	266.2	265.4	285.9	298.3	304.2	282.2	261.0	259.6
55°	1136.3	462.1	261.0	252.3	244.2	272.7	291.0	297.6	269.8	242.0	239.8
57.5°	1281.1	531.6	244.2	238.4	228.9	260.3	277.9	283.0	250.8	219.4	217.9
60°	1432.4	593.7	228.1	223.0	217.9	243.5	261.8	263.2	233.3	201.8	200.3
62.5°	1569.2	636.1	212.8	206.9	206.9	223.7	242.8	241.3	215.0	185.7	184.3
65°	1670.1	631.0	198.9	191.6	194.5	202.5	219.4	214.2	195.2	170.4	168.9
67.5°	1711.0	576.9	185.7	177.7	178.4	180.6	194.5	190.8	175.5	155.0	154.3
70°	1668.6	479.7	168.9	158.7	157.2	157.9	171.8	165.3	154.3	141.1	140.4
72.5°	1542.1	402.2	149.9	141.1	138.2	136.0	147.7	144.8	136.7	125.8	126.5
75°	1352.0	347.3	129.4	123.6	118.5	116.3	125.8	124.3	118.5	111.1	111.1
77.5°	944.7	253.7	106.8	104.6	101.6	97.2	104.6	105.3	101.6	99.4	98.7
80°	409.5	141.9	84.1	85.6	81.9	79.0	84.8	85.6	88.5	85.6	86.3
82.5°	118.5	70.2	60.7	65.1	63.6	60.7	63.6	70.2	65.8	57.8	59.2
85°	43.9	33.6	38.0	40.9	38.8	30.7	40.2	46.1	41.7	38.8	39.5
87.5°	16.8	12.4	16.1	13.9	11.0	8.0	13.9	15.4	20.5	8.0	6.6
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)