

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: P1207880

Luminaire Tested: UPW-SA1-030-750-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4774 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

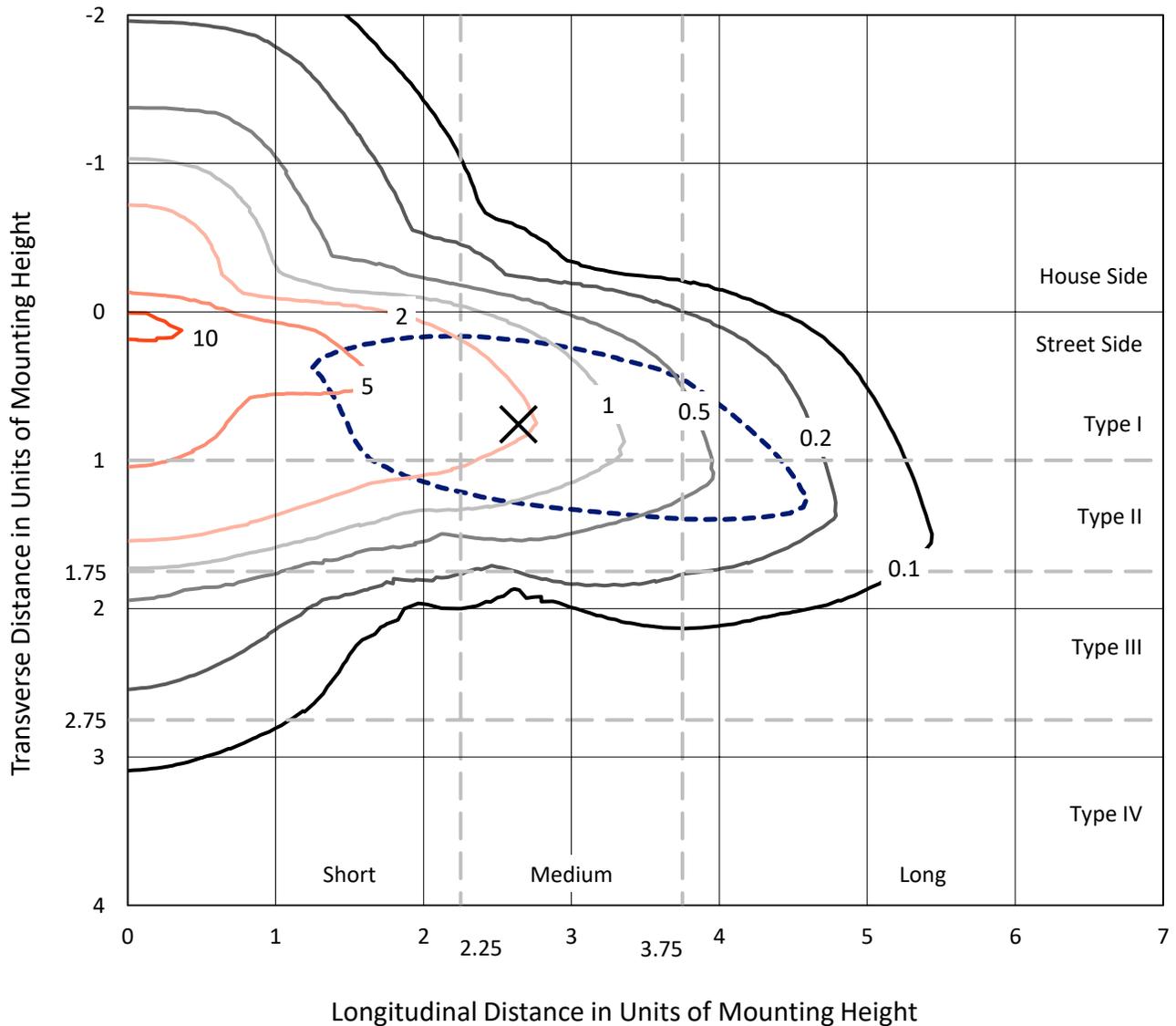


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

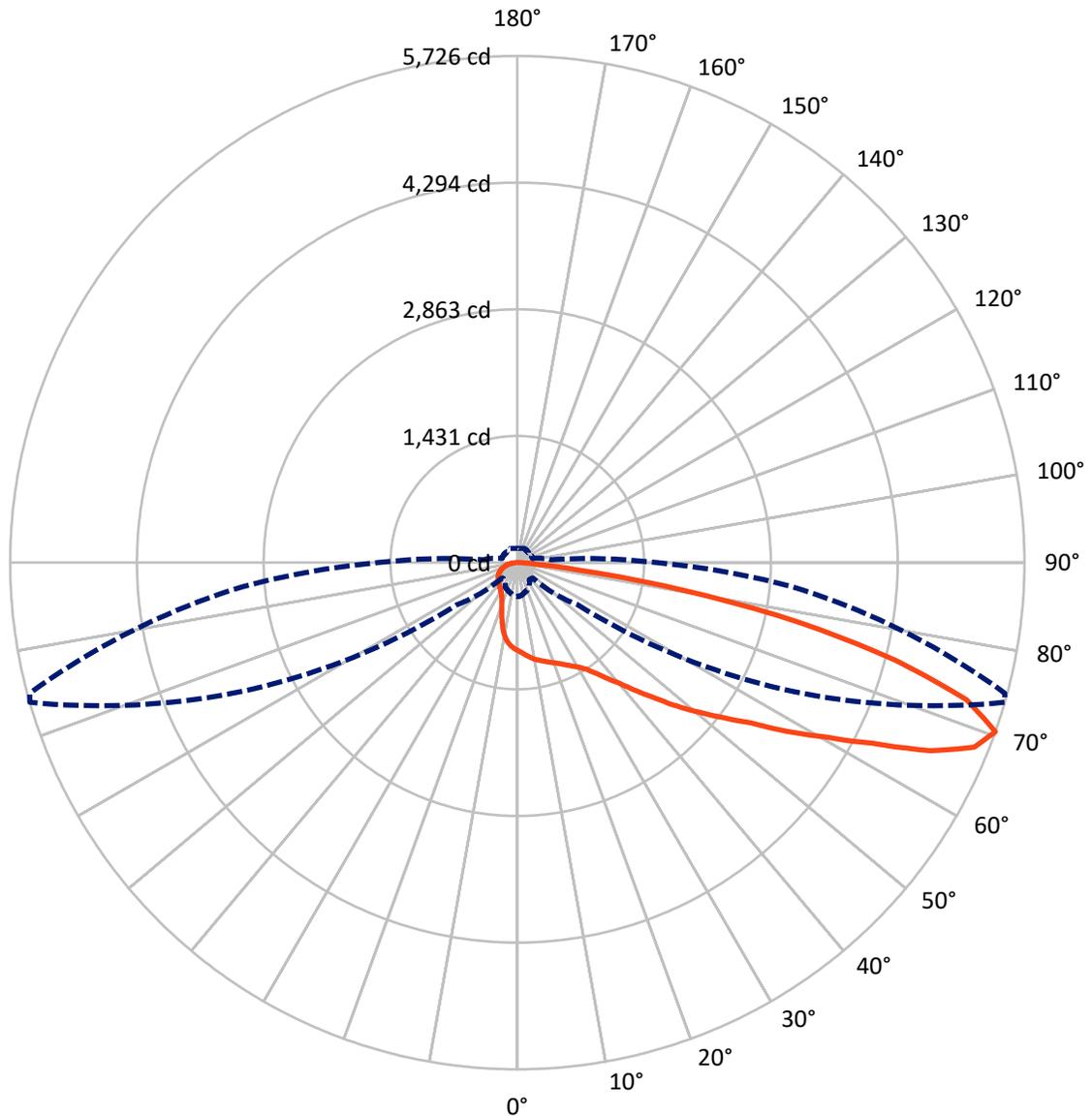


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	873.8	0.0	873.8
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	3900.2	0.0	3900.2
	% Fixture	81.7	0.0	81.7
Total	Lumens	4774.0	0.0	4774.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	1.8
10°-20°	229.7	4.8
20°-30°	363.7	7.6
30°-40°	541.9	11.4
40°-50°	747.3	15.7
50°-60°	1002.2	21.0
60°-70°	1040.1	21.8
70°-80°	658.2	13.8
80°-90°	103.6	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°	4774.0	100.0
0°-180°	4774.0	100.0



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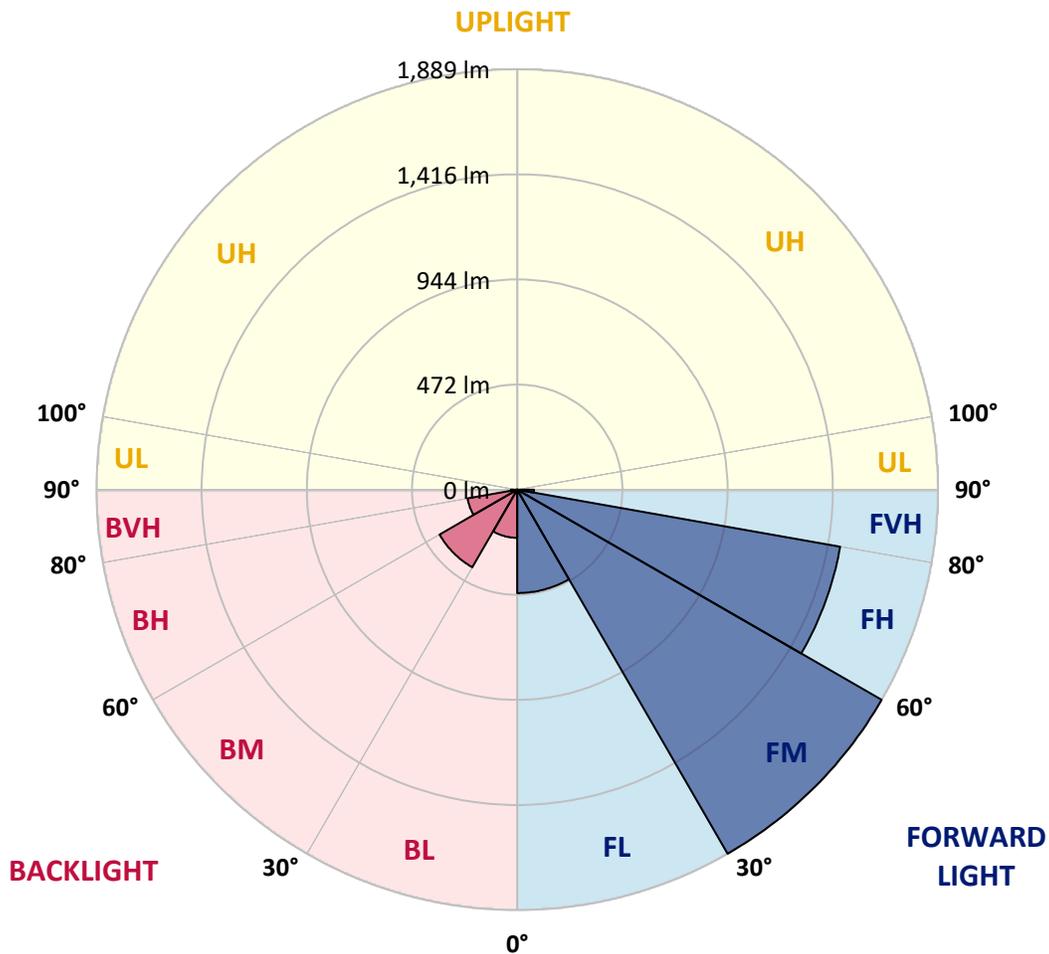
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.4	9.7			
FM	(30°-60°)	1888.5	39.6			
FH	(60°-80°)	1472.0	30.8			G1/1800
FVH	(80°-90°)	75.3	1.6			G1/100
BL	(0°-30°)	216.3	4.5	B1/500		
BM	(30°-60°)	402.9	8.4	B1/1000		
BH	(60°-80°)	226.3	4.7	B1/500		G1/500
BVH	(80°-90°)	28.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1
2.5°	1063.0	1061.4	1057.7	1057.7	1056.1	1052.3	1041.7	1030.4	1019.8	1018.7	1004.8
5°	1106.8	1104.2	1103.6	1103.6	1101.5	1097.8	1083.3	1067.8	1052.3	1049.1	1024.0
7.5°	1127.7	1125.5	1126.1	1128.7	1133.0	1129.8	1117.0	1103.6	1082.8	1080.1	1042.7
10°	1116.4	1118.1	1124.5	1139.4	1150.1	1156.0	1145.3	1133.0	1111.6	1108.4	1057.7
12.5°	1045.4	1050.2	1070.5	1109.0	1149.6	1172.0	1171.5	1158.6	1133.0	1130.3	1069.4
15°	938.0	932.2	969.5	1031.0	1104.7	1168.3	1189.1	1183.2	1157.6	1153.8	1083.3
17.5°	885.1	885.7	902.2	940.2	1021.4	1137.8	1198.7	1207.8	1183.8	1178.9	1098.8
20°	906.5	906.0	907.6	920.4	959.4	1075.8	1199.2	1234.5	1209.4	1206.2	1112.7
22.5°	967.4	965.3	960.5	949.8	950.9	1020.8	1191.8	1263.9	1242.0	1235.6	1122.3
25°	1052.3	1047.0	1031.5	1007.5	981.8	1004.3	1172.5	1298.1	1279.4	1272.4	1132.5
27.5°	1149.0	1148.0	1131.4	1085.5	1036.9	1025.1	1150.6	1335.5	1323.7	1314.1	1143.7
30°	1248.9	1243.0	1227.6	1178.4	1117.0	1070.5	1144.2	1376.6	1370.7	1358.4	1152.8
32.5°	1303.4	1300.7	1290.6	1260.7	1207.3	1136.2	1162.9	1418.8	1438.0	1428.9	1172.5
35°	1346.7	1341.9	1331.2	1318.9	1291.7	1222.8	1206.2	1469.5	1538.5	1522.4	1214.7
37.5°	1387.8	1382.5	1375.0	1363.2	1345.6	1305.5	1269.2	1539.0	1665.6	1654.4	1278.8
40°	1433.8	1427.9	1418.3	1410.3	1385.7	1373.4	1328.5	1605.2	1801.8	1796.5	1355.8
42.5°	1468.5	1462.1	1457.3	1451.9	1425.2	1402.2	1375.0	1668.3	1985.6	1972.2	1457.8
45°	1494.1	1490.4	1490.4	1484.0	1466.3	1403.3	1407.6	1752.7	2183.2	2178.9	1598.8
47.5°	1521.9	1517.1	1519.8	1513.9	1508.5	1404.4	1447.6	1865.4	2420.9	2417.2	1756.4
50°	1555.0	1550.2	1560.9	1552.3	1554.5	1436.4	1504.8	2006.4	2656.0	2646.9	1924.1
52.5°	1559.3	1558.2	1584.9	1604.2	1619.7	1509.6	1601.5	2174.7	2912.9	2912.9	2119.6
55°	1472.7	1470.6	1522.4	1604.2	1691.2	1650.1	1781.0	2438.0	3197.1	3204.6	2293.8
57.5°	1196.0	1206.2	1293.8	1454.6	1687.5	1850.4	2046.5	2758.5	3597.7	3573.2	2464.7
60°	760.7	775.6	845.6	1066.8	1435.4	1884.1	2332.3	3165.6	4004.3	3957.2	2690.7
62.5°	502.7	489.8	490.9	595.1	923.6	1583.3	2388.3	3648.0	4494.6	4460.5	2891.5
65°	447.1	438.0	392.6	365.4	448.7	988.8	2031.0	3995.7	5125.0	5029.4	3045.4
67.5°	424.1	415.1	372.9	330.7	282.6	505.3	1443.4	3931.6	5565.1	5504.8	3159.2
70°	384.1	378.7	344.5	312.0	236.1	244.1	832.8	3451.4	5725.9	5697.1	3107.4
72.5°	333.9	327.5	304.5	282.1	207.3	180.0	399.6	2736.1	5303.4	5301.3	2887.8
75°	273.5	268.2	249.5	242.0	175.2	147.4	227.0	1921.5	4418.2	4394.7	2566.8
77.5°	223.8	216.3	203.5	197.6	145.3	118.6	159.7	1341.3	3260.7	3199.2	1796.5
80°	162.4	157.6	145.3	159.2	114.8	91.9	118.6	834.4	1916.1	1791.1	673.1
82.5°	98.8	89.2	100.4	121.8	84.9	65.7	87.1	465.3	687.0	603.6	200.9
85°	45.9	47.0	58.8	78.0	50.7	38.5	54.5	203.5	199.3	190.7	84.4
87.5°	7.5	8.0	22.4	34.2	21.4	12.8	21.9	44.9	75.3	77.5	36.3
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°	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1
2.5°	996.3	987.7	972.2	955.1	935.9	918.3	910.8	886.2	880.3	878.7	866.4
5°	1006.4	987.7	947.1	899.0	842.9	792.2	736.1	691.2	666.1	664.0	667.2
7.5°	1016.6	987.2	912.9	815.7	716.3	618.1	558.2	523.0	498.4	492.5	494.1
10°	1021.9	979.7	860.6	711.0	573.7	502.1	467.9	455.7	451.9	448.7	448.7
12.5°	1023.0	963.1	791.1	598.3	489.8	455.1	445.5	442.3	441.8	441.2	440.2
15°	1024.0	942.3	702.5	511.2	451.9	440.7	437.0	436.4	437.5	437.0	437.0
17.5°	1023.0	914.0	616.5	461.0	438.0	433.8	431.6	431.1	432.7	432.2	431.6
20°	1019.2	877.7	532.6	435.4	428.4	427.3	424.7	422.5	424.7	425.2	424.7
22.5°	1004.8	824.2	472.2	419.3	419.3	419.3	416.1	413.5	417.2	418.3	418.8
25°	982.4	760.1	427.3	406.0	408.7	407.6	407.6	407.0	410.8	411.9	412.4
27.5°	958.9	693.4	395.8	391.6	395.8	398.5	403.3	403.8	403.8	402.8	402.2
30°	928.9	620.7	375.5	378.7	384.6	394.2	402.8	401.7	398.0	394.2	394.8
32.5°	904.9	562.0	355.8	367.5	378.2	392.1	399.6	401.2	400.6	394.2	394.2
35°	895.8	515.0	342.4	357.9	373.9	386.8	390.0	396.9	395.8	387.8	387.3
37.5°	901.7	477.0	330.7	347.8	367.5	373.9	380.9	382.5	369.1	360.6	358.4
40°	914.5	449.3	320.0	334.9	356.8	362.2	371.8	357.4	346.2	339.2	340.3
42.5°	950.3	437.5	310.4	320.5	340.8	353.1	349.4	345.1	329.6	318.4	317.3
45°	1006.9	437.0	301.8	305.6	322.6	335.5	334.9	330.1	313.6	301.8	300.2
47.5°	1084.4	447.6	292.7	291.7	305.6	313.6	321.0	313.6	296.5	283.1	281.5
50°	1176.8	475.4	284.2	277.2	286.9	299.1	302.9	297.5	281.5	268.7	267.1
52.5°	1287.9	513.9	276.7	264.4	267.1	284.2	292.7	287.9	269.8	255.9	253.7
55°	1395.8	550.2	266.6	251.1	246.8	270.3	283.7	283.1	256.4	242.0	240.9
57.5°	1506.4	584.4	255.3	239.8	232.9	255.3	274.0	276.2	242.5	227.0	227.0
60°	1618.6	608.4	241.5	228.1	224.4	238.8	259.6	260.1	230.2	218.5	219.6
62.5°	1710.5	594.0	227.6	216.9	214.2	222.8	243.6	248.4	229.2	216.3	217.4
65°	1749.5	545.9	212.1	206.2	201.9	205.1	224.4	230.2	209.9	195.5	197.1
67.5°	1724.4	476.0	196.6	193.9	188.0	187.0	199.3	203.0	188.0	179.0	177.9
70°	1575.3	379.8	177.9	177.9	172.5	167.7	174.1	177.3	165.6	160.3	161.3
72.5°	1363.2	308.8	159.7	161.9	154.4	148.0	151.7	153.3	146.4	143.7	142.6
75°	1179.5	258.0	141.6	144.8	136.8	126.6	130.9	130.9	125.0	124.5	123.9
77.5°	860.0	193.9	121.8	125.5	119.1	106.3	107.4	107.9	105.8	105.8	106.3
80°	368.1	118.6	99.4	105.2	98.8	83.3	86.5	86.5	91.9	105.2	103.1
82.5°	122.3	70.5	75.3	82.8	75.9	62.0	65.7	70.5	90.8	87.1	82.8
85°	52.4	39.0	48.1	52.4	48.6	37.4	42.7	73.7	67.3	65.2	65.7
87.5°	17.6	16.6	20.3	24.0	17.1	11.8	21.9	44.9	43.8	33.1	32.1
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)