

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: P1207853

Luminaire Tested: UPW-SA1-030-740-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207853  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-740-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 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: 4773 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

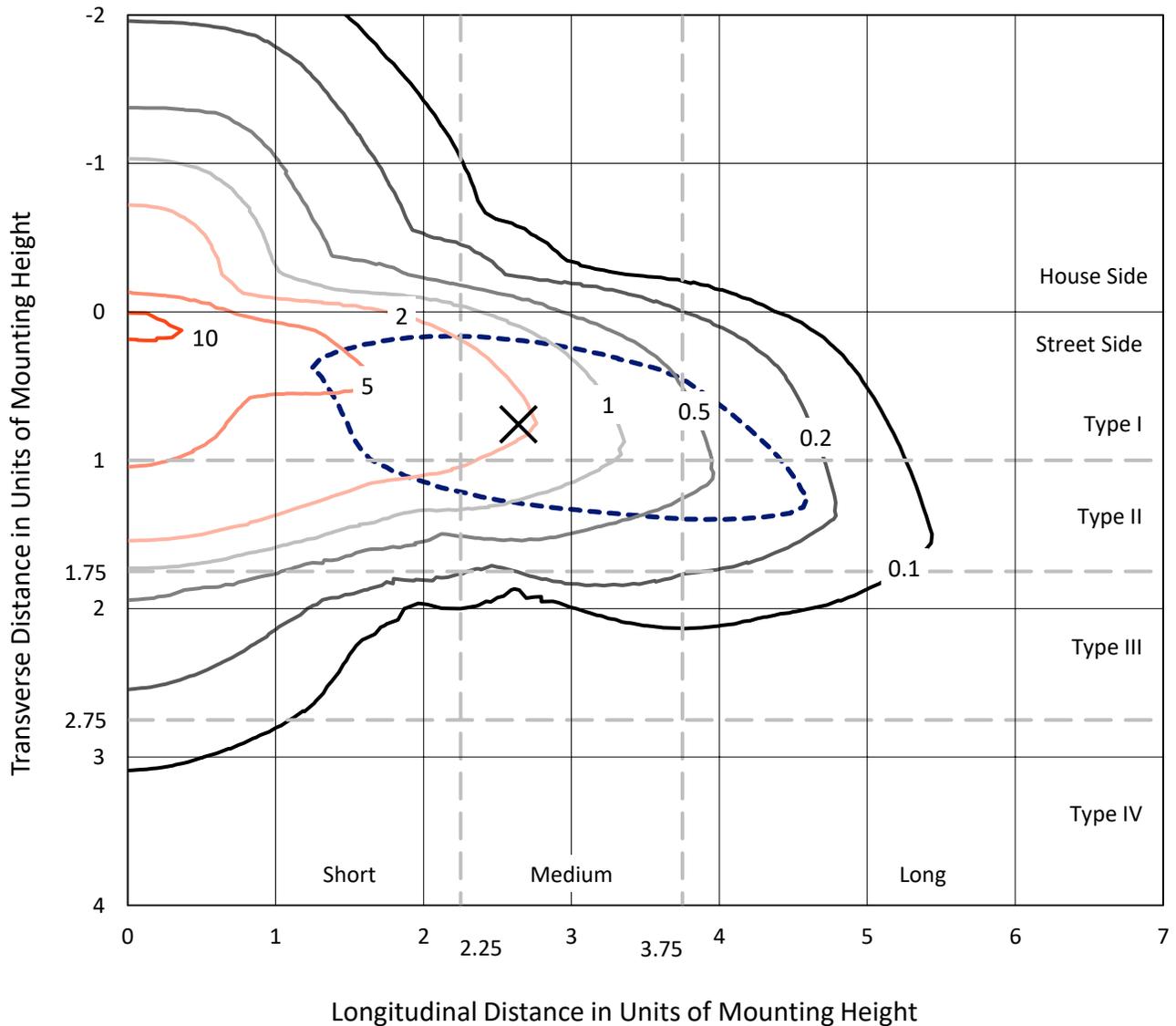


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

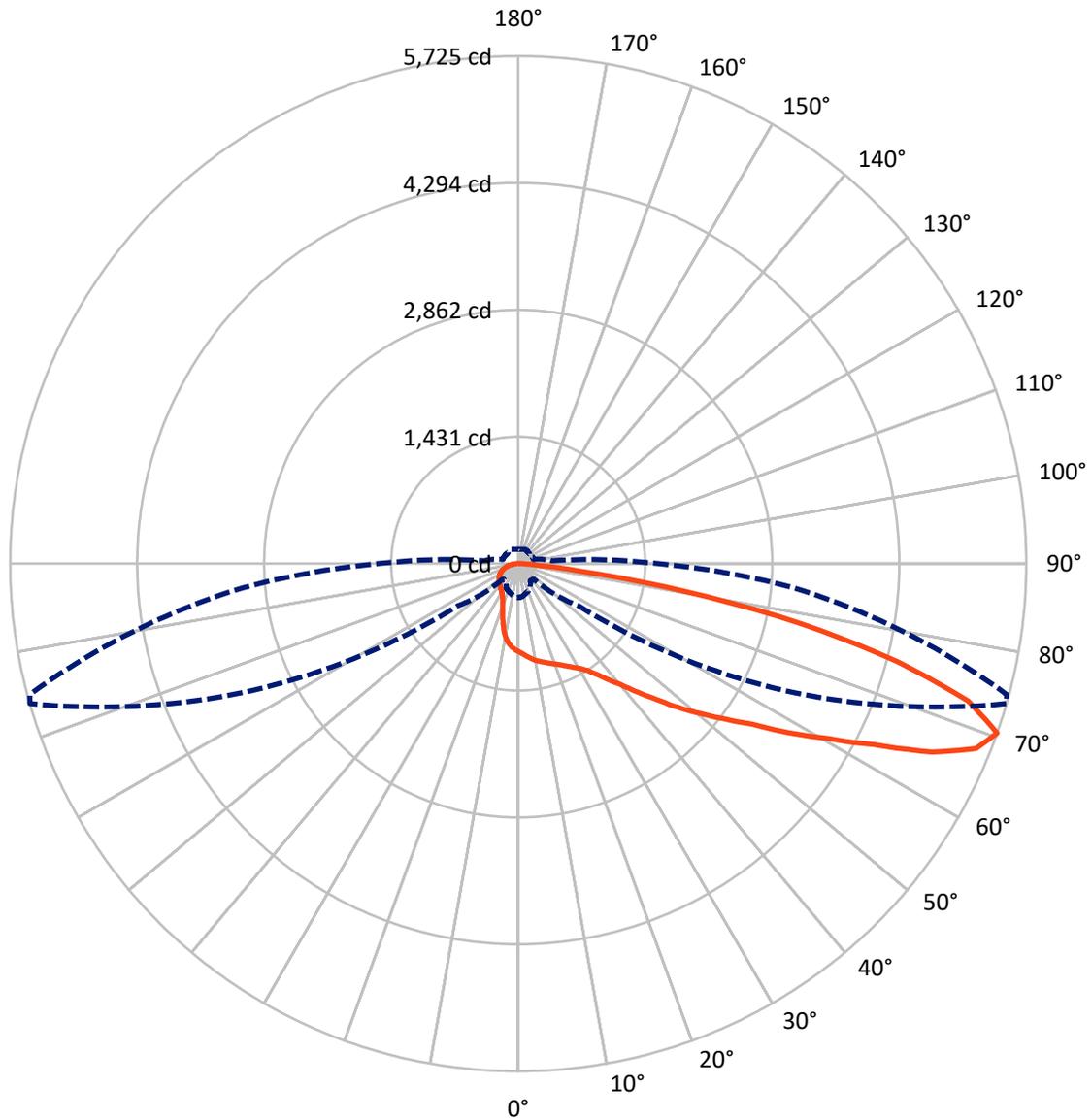


Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Medium - N/A

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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
<b>House Side</b>	Lumens	873.6	0.0	873.6
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	3899.4	0.0	3899.4
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	4773.0	0.0	4773.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	1.8
10°-20°	229.6	4.8
20°-30°	363.6	7.6
30°-40°	541.8	11.4
40°-50°	747.1	15.7
50°-60°	1002.0	21.0
60°-70°	1039.9	21.8
70°-80°	658.0	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°	4773.0	100.0
0°-180°	4773.0	100.0



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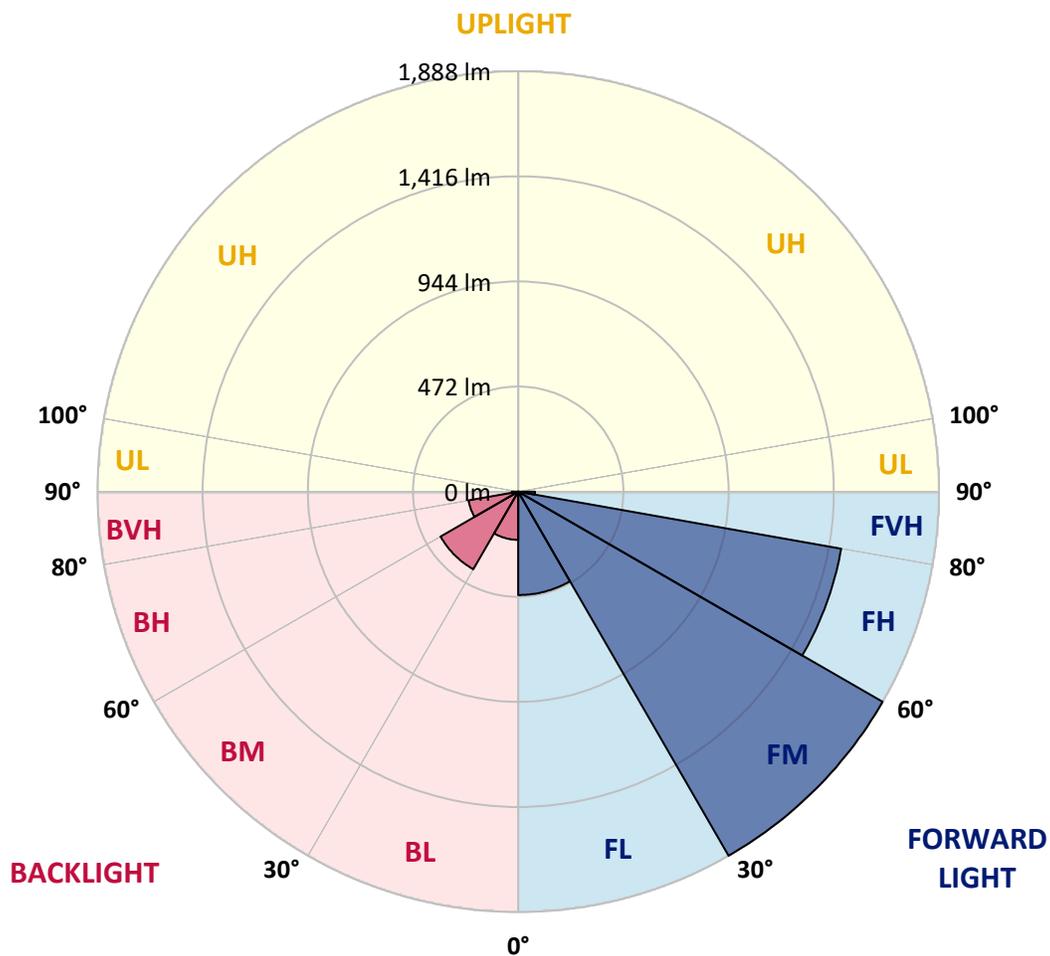
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.3	9.7			
FM	(30°-60°)	1888.1	39.6			
FH	(60°-80°)	1471.6	30.8			G1/1800
FVH	(80°-90°)	75.3	1.6			G1/100
BL	(0°-30°)	216.2	4.5	B1/500		
BM	(30°-60°)	402.8	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°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	1062.8	1061.2	1057.5	1057.5	1055.9	1052.1	1041.4	1030.2	1019.5	1018.5	1004.6
5°	1106.6	1103.9	1103.4	1103.4	1101.3	1097.5	1083.1	1067.6	1052.1	1048.9	1023.8
7.5°	1127.4	1125.3	1125.8	1128.5	1132.8	1129.6	1116.7	1103.4	1082.6	1079.9	1042.5
10°	1116.2	1117.8	1124.2	1139.2	1149.9	1155.7	1145.1	1132.8	1111.4	1108.2	1057.5
12.5°	1045.2	1050.0	1070.3	1108.7	1149.3	1171.8	1171.2	1158.4	1132.8	1130.1	1069.2
15°	937.8	932.0	969.3	1030.8	1104.5	1168.0	1188.8	1183.0	1157.3	1153.6	1083.1
17.5°	885.0	885.5	902.1	940.0	1021.1	1137.6	1198.5	1207.5	1183.5	1178.7	1098.6
20°	906.3	905.8	907.4	920.2	959.2	1075.6	1199.0	1234.2	1209.1	1205.9	1112.5
22.5°	967.2	965.1	960.3	949.6	950.7	1020.6	1191.5	1263.6	1241.7	1235.3	1122.1
25°	1052.1	1046.8	1031.3	1007.3	981.6	1004.1	1172.3	1297.8	1279.1	1272.2	1132.2
27.5°	1148.8	1147.7	1131.2	1085.2	1036.6	1024.9	1150.4	1335.2	1323.4	1313.8	1143.5
30°	1248.7	1242.8	1227.3	1178.2	1116.7	1070.3	1144.0	1376.3	1370.4	1358.1	1152.5
32.5°	1303.1	1300.5	1290.3	1260.4	1207.0	1136.0	1162.7	1418.5	1437.7	1428.6	1172.3
35°	1346.4	1341.6	1330.9	1318.6	1291.4	1222.5	1205.9	1469.2	1538.1	1522.1	1214.5
37.5°	1387.5	1382.2	1374.7	1363.0	1345.3	1305.3	1269.0	1538.7	1665.2	1654.0	1278.6
40°	1433.5	1427.6	1418.0	1410.0	1385.4	1373.1	1328.2	1604.9	1801.4	1796.1	1355.5
42.5°	1468.2	1461.8	1457.0	1451.6	1424.9	1401.9	1374.7	1667.9	1985.2	1971.8	1457.5
45°	1493.8	1490.1	1490.1	1483.7	1466.0	1403.0	1407.3	1752.3	2182.8	2178.5	1598.5
47.5°	1521.6	1516.8	1519.4	1513.6	1508.2	1404.1	1447.3	1865.0	2420.4	2416.7	1756.0
50°	1554.7	1549.9	1560.6	1552.0	1554.2	1436.1	1504.5	2006.0	2655.4	2646.3	1923.7
52.5°	1559.0	1557.9	1584.6	1603.8	1619.3	1509.3	1601.2	2174.2	2912.3	2912.3	2119.2
55°	1472.4	1470.3	1522.1	1603.8	1690.9	1649.8	1780.6	2437.5	3196.4	3203.9	2293.3
57.5°	1195.8	1205.9	1293.5	1454.3	1687.1	1850.0	2046.0	2758.0	3597.0	3572.4	2464.2
60°	760.5	775.5	845.4	1066.5	1435.1	1883.7	2331.8	3164.9	4003.4	3956.4	2690.1
62.5°	502.6	489.7	490.8	595.0	923.4	1583.0	2387.8	3647.2	4493.7	4459.5	2890.9
65°	447.0	437.9	392.5	365.3	448.6	988.6	2030.5	3994.9	5123.9	5028.3	3044.8
67.5°	424.1	415.0	372.8	330.6	282.5	505.2	1443.1	3930.8	5564.0	5503.6	3158.5
70°	384.0	378.7	344.5	311.9	236.1	244.1	832.6	3450.7	5724.7	5695.9	3106.7
72.5°	333.8	327.4	304.4	282.0	207.2	180.0	399.5	2735.5	5302.3	5300.1	2887.2
75°	273.4	268.1	249.4	241.9	175.2	147.4	227.0	1921.1	4417.3	4393.8	2566.2
77.5°	223.8	216.3	203.5	197.6	145.3	118.6	159.7	1341.1	3260.0	3198.6	1796.1
80°	162.4	157.6	145.3	159.2	114.8	91.9	118.6	834.2	1915.7	1790.7	672.9
82.5°	98.8	89.2	100.4	121.8	84.9	65.7	87.1	465.2	686.8	603.5	200.8
85°	45.9	47.0	58.7	78.0	50.7	38.5	54.5	203.5	199.2	190.7	84.4
87.5°	7.5	8.0	22.4	34.2	21.4	12.8	21.9	44.9	75.3	77.4	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°	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9	993.9
2.5°	996.0	987.5	972.0	954.9	935.7	918.1	910.6	886.0	880.2	878.6	866.3
5°	1006.2	987.5	946.9	898.8	842.8	792.0	736.0	691.1	666.0	663.9	667.1
7.5°	1016.3	987.0	912.7	815.5	716.2	617.9	558.1	522.9	498.3	492.4	494.0
10°	1021.7	979.5	860.4	710.9	573.6	502.0	467.8	455.6	451.8	448.6	448.6
12.5°	1022.8	962.9	791.0	598.2	489.7	455.0	445.4	442.2	441.7	441.1	440.1
15°	1023.8	942.1	702.3	511.1	451.8	440.6	436.9	436.3	437.4	436.9	436.9
17.5°	1022.8	913.8	616.3	460.9	437.9	433.7	431.5	431.0	432.6	432.1	431.5
20°	1019.0	877.5	532.5	435.3	428.3	427.3	424.6	422.5	424.6	425.1	424.6
22.5°	1004.6	824.1	472.1	419.2	419.2	419.2	416.0	413.4	417.1	418.2	418.7
25°	982.2	760.0	427.3	405.9	408.6	407.5	407.5	407.0	410.7	411.8	412.3
27.5°	958.7	693.2	395.7	391.5	395.7	398.4	403.2	403.8	403.8	402.7	402.2
30°	928.8	620.6	375.5	378.7	384.5	394.1	402.7	401.6	397.9	394.1	394.7
32.5°	904.7	561.8	355.7	367.4	378.1	392.0	399.5	401.1	400.6	394.1	394.1
35°	895.6	514.8	342.3	357.8	373.9	386.7	389.9	396.8	395.7	387.7	387.2
37.5°	901.5	476.9	330.6	347.7	367.4	373.9	380.8	382.4	369.0	360.5	358.4
40°	914.3	449.2	319.9	334.9	356.8	362.1	371.7	357.3	346.1	339.1	340.2
42.5°	950.1	437.4	310.3	320.4	340.7	353.0	349.3	345.0	329.5	318.3	317.2
45°	1006.7	436.9	301.8	305.5	322.6	335.4	334.9	330.1	313.5	301.8	300.1
47.5°	1084.2	447.6	292.7	291.6	305.5	313.5	321.0	313.5	296.4	283.1	281.5
50°	1176.6	475.3	284.1	277.2	286.8	299.1	302.8	297.5	281.5	268.6	267.0
52.5°	1287.7	513.8	276.7	264.4	267.0	284.1	292.7	287.9	269.7	255.8	253.7
55°	1395.5	550.1	266.5	251.0	246.7	270.2	283.6	283.1	256.4	241.9	240.9
57.5°	1506.1	584.3	255.3	239.8	232.9	255.3	274.0	276.1	242.5	227.0	227.0
60°	1618.2	608.3	241.4	228.0	224.3	238.7	259.6	260.1	230.2	218.4	219.5
62.5°	1710.1	593.9	227.5	216.8	214.2	222.7	243.5	248.3	229.1	216.3	217.4
65°	1749.1	545.8	212.0	206.2	201.9	205.1	224.3	230.2	209.9	195.5	197.1
67.5°	1724.0	475.9	196.5	193.9	188.0	186.9	199.2	202.9	188.0	178.9	177.8
70°	1575.0	379.7	177.8	177.8	172.5	167.7	174.1	177.3	165.6	160.2	161.3
72.5°	1363.0	308.7	159.7	161.8	154.3	147.9	151.7	153.3	146.3	143.7	142.6
75°	1179.2	258.0	141.5	144.7	136.7	126.6	130.8	130.8	125.0	124.4	123.9
77.5°	859.9	193.9	121.8	125.5	119.1	106.3	107.3	107.9	105.7	105.7	106.3
80°	368.0	118.6	99.3	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	75.8	62.0	65.7	70.5	90.8	87.1	82.8
85°	52.3	39.0	48.1	52.3	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	11.7	21.9	44.9	43.8	33.1	32.0
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)