

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: P1208177

Luminaire Tested: UPW-SA1-040-827-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208177  
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-SA1-040-827-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 800mA 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: 4303 lumens  
Efficiency: N/A  
Efficacy: 97.8 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): 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

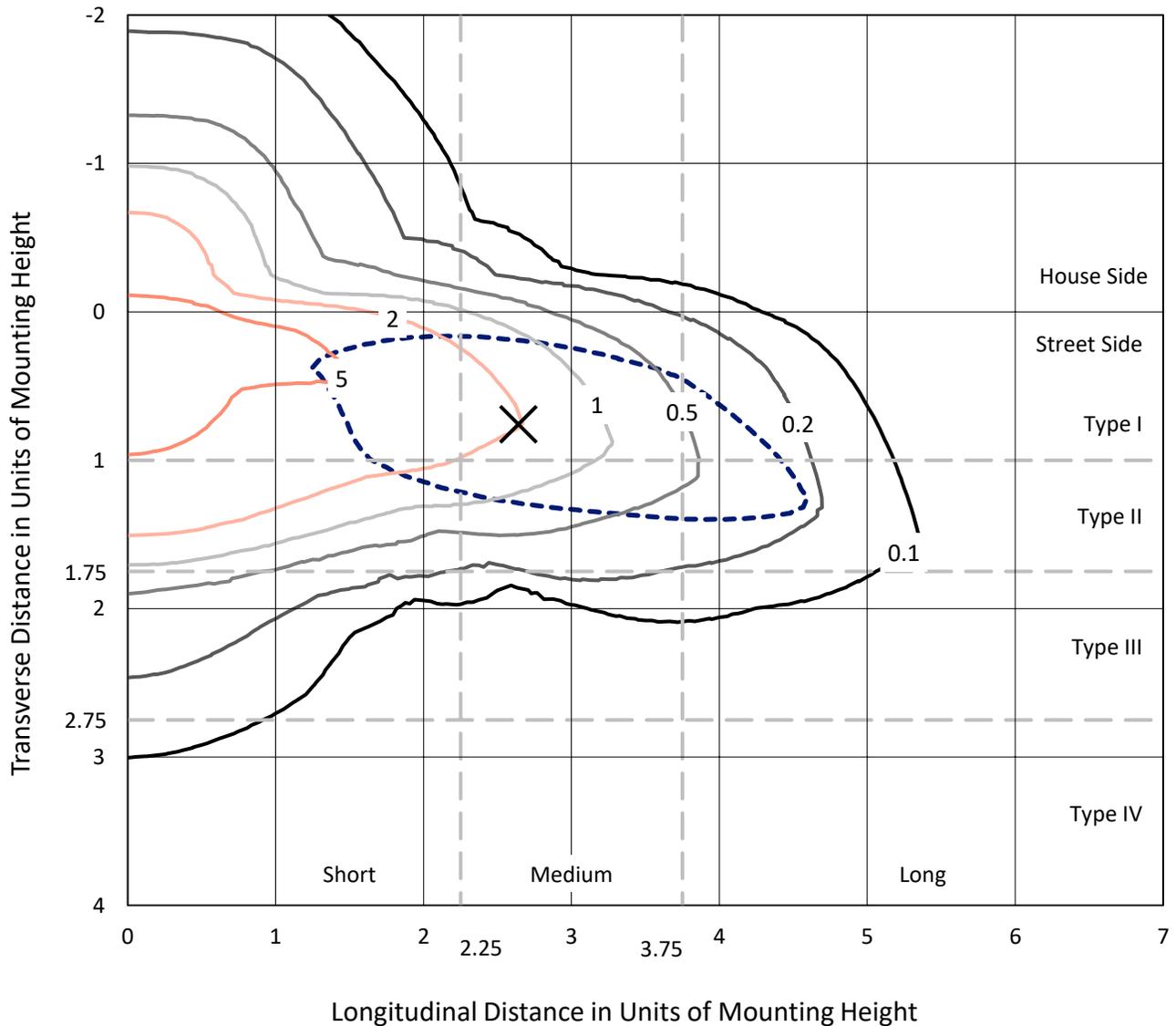


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

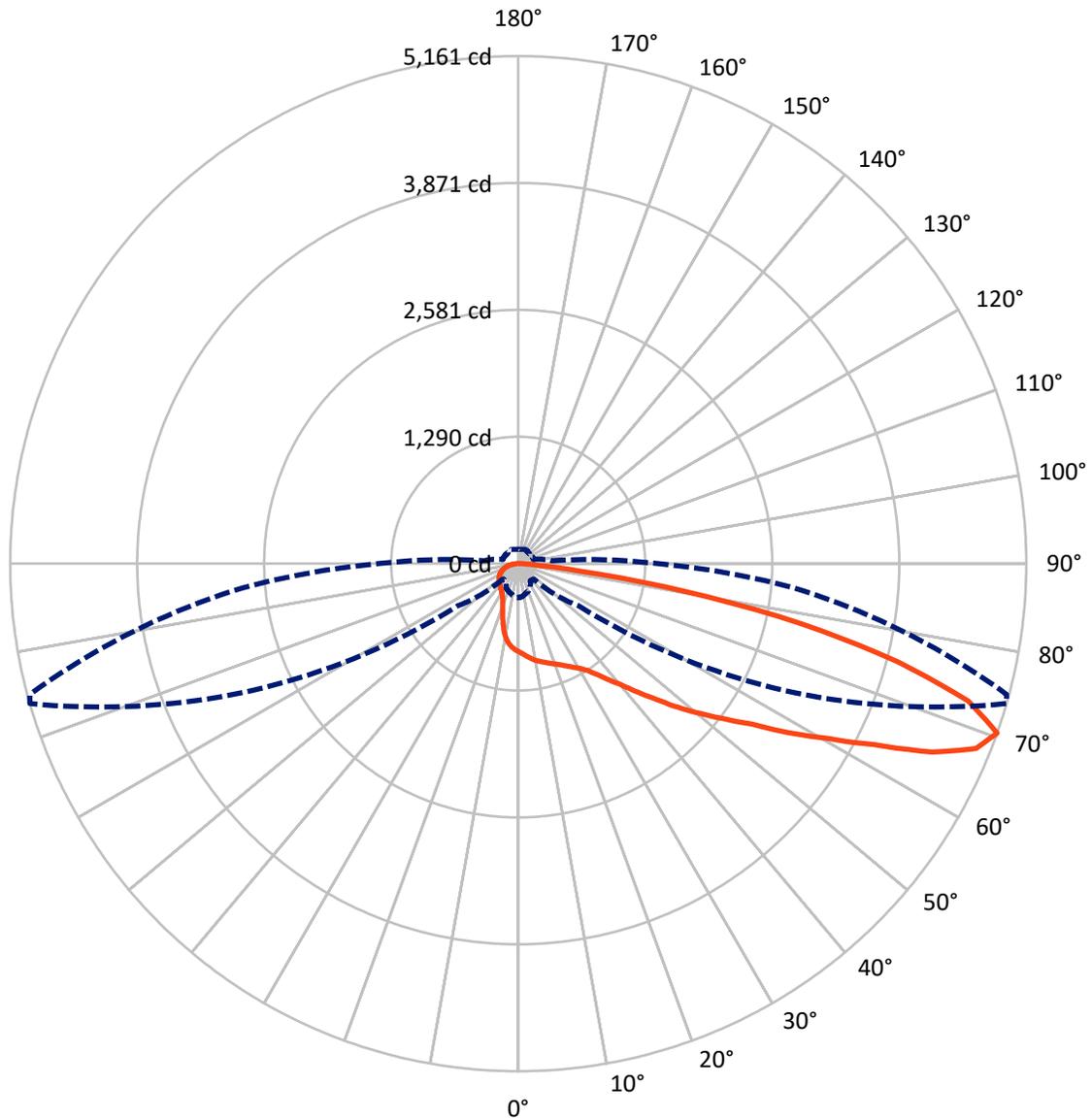


Based on 10 foot mounting height. Maximum calculated value = 10 fc  
 Type II - Medium - N/A

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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	787.6	0.0	787.6
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	3515.4	0.0	3515.4
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	4303.0	0.0	4303.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.7	1.8
10°-20°	207.0	4.8
20°-30°	327.8	7.6
30°-40°	488.5	11.4
40°-50°	673.6	15.7
50°-60°	903.3	21.0
60°-70°	937.5	21.8
70°-80°	593.2	13.8
80°-90°	93.4	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°	4303.0	100.0
0°-180°	4303.0	100.0



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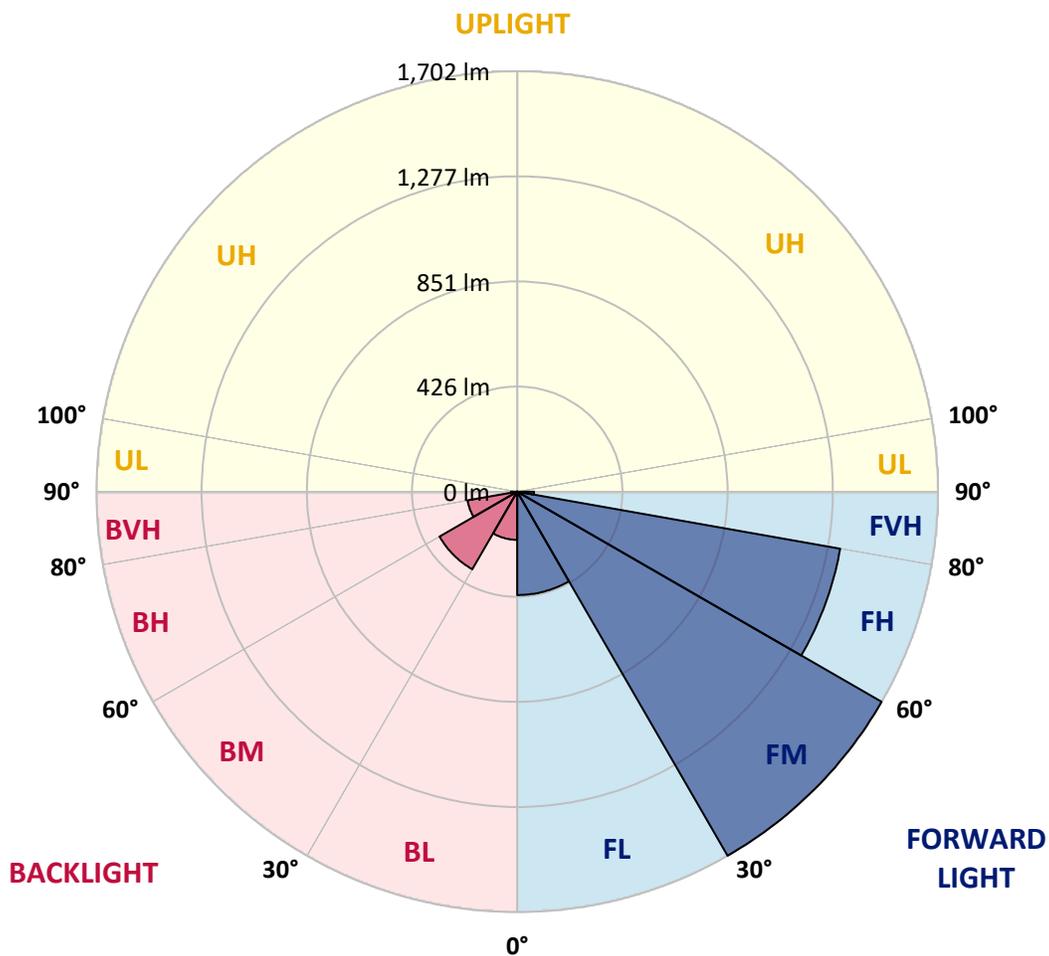
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.6	9.7			
FM (30°-60°)	1702.2	39.6			
FH (60°-80°)	1326.7	30.8			G1/1800
FVH (80°-90°)	67.9	1.6			G1/100
BL (0°-30°)	194.9	4.5	B1/500		
BM (30°-60°)	363.2	8.4	B1/1000		
BH (60°-80°)	204.0	4.7	B1/500		G1/500
BVH (80°-90°)	25.5	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°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	958.2	956.7	953.3	953.3	951.9	948.5	938.9	928.8	919.2	918.2	905.7
5°	997.6	995.2	994.7	994.7	992.8	989.4	976.4	962.5	948.5	945.6	923.0
7.5°	1016.4	1014.5	1015.0	1017.4	1021.2	1018.3	1006.8	994.7	976.0	973.6	939.9
10°	1006.3	1007.7	1013.5	1027.0	1036.6	1041.9	1032.3	1021.2	1002.0	999.1	953.3
12.5°	942.3	946.6	964.9	999.6	1036.2	1056.4	1055.9	1044.3	1021.2	1018.8	963.9
15°	845.5	840.2	873.9	929.3	995.7	1053.0	1071.8	1066.5	1043.4	1040.0	976.4
17.5°	797.8	798.3	813.2	847.4	920.6	1025.6	1080.4	1088.6	1067.0	1062.6	990.4
20°	817.1	816.6	818.0	829.6	864.7	969.7	1080.9	1112.7	1090.1	1087.2	1002.9
22.5°	872.0	870.0	865.7	856.1	857.0	920.1	1074.2	1139.2	1119.4	1113.7	1011.6
25°	948.5	943.7	929.7	908.1	885.0	905.2	1056.9	1170.0	1153.2	1146.9	1020.7
27.5°	1035.7	1034.7	1019.8	978.4	934.6	924.0	1037.1	1203.7	1193.1	1184.4	1030.9
30°	1125.7	1120.4	1106.4	1062.2	1006.8	964.9	1031.3	1240.8	1235.5	1224.4	1039.0
32.5°	1174.8	1172.4	1163.3	1136.3	1088.2	1024.1	1048.2	1278.8	1296.2	1288.0	1056.9
35°	1213.8	1209.5	1199.9	1188.8	1164.2	1102.1	1087.2	1324.6	1386.7	1372.2	1094.9
37.5°	1250.9	1246.1	1239.3	1228.7	1212.9	1176.7	1144.0	1387.2	1501.3	1491.2	1152.7
40°	1292.3	1287.0	1278.3	1271.1	1249.0	1237.9	1197.4	1446.9	1624.0	1619.2	1222.0
42.5°	1323.6	1317.8	1313.5	1308.7	1284.6	1263.9	1239.3	1503.7	1789.7	1777.6	1314.0
45°	1346.7	1343.3	1343.3	1337.6	1321.7	1264.9	1268.7	1579.7	1967.8	1964.0	1441.1
47.5°	1371.7	1367.4	1369.8	1364.5	1359.7	1265.8	1304.8	1681.3	2182.1	2178.7	1583.1
50°	1401.6	1397.3	1406.9	1399.2	1401.1	1294.7	1356.3	1808.5	2393.9	2385.7	1734.3
52.5°	1405.4	1404.5	1428.6	1445.9	1459.9	1360.7	1443.5	1960.1	2625.5	2625.5	1910.5
55°	1327.4	1325.5	1372.2	1445.9	1524.4	1487.3	1605.3	2197.5	2881.7	2888.4	2067.5
57.5°	1078.0	1087.2	1166.2	1311.1	1521.0	1667.9	1844.6	2486.4	3242.8	3220.6	2221.6
60°	685.6	699.1	762.2	961.5	1293.7	1698.2	2102.2	2853.3	3609.2	3566.8	2425.2
62.5°	453.1	441.5	442.5	536.4	832.5	1427.1	2152.7	3288.0	4051.2	4020.4	2606.3
65°	403.0	394.8	353.9	329.3	404.4	891.2	1830.6	3601.5	4619.3	4533.2	2744.9
67.5°	382.3	374.1	336.1	298.0	254.7	455.5	1301.0	3543.7	5016.1	4961.7	2847.5
70°	346.2	341.4	310.6	281.2	212.8	220.0	750.6	3110.9	5161.0	5135.0	2800.8
72.5°	300.9	295.1	274.4	254.2	186.8	162.3	360.1	2466.2	4780.2	4778.2	2602.9
75°	246.5	241.7	224.9	218.1	157.9	132.9	204.6	1731.9	3982.3	3961.2	2313.5
77.5°	201.7	195.0	183.4	178.1	131.0	106.9	144.0	1209.0	2939.0	2883.6	1619.2
80°	146.4	142.0	131.0	143.5	103.5	82.8	106.9	752.1	1727.1	1614.4	606.7
82.5°	89.1	80.4	90.5	109.8	76.6	59.2	78.5	419.4	619.2	544.1	181.0
85°	41.4	42.4	53.0	70.3	45.7	34.7	49.1	183.4	179.6	171.9	76.1
87.5°	6.7	7.2	20.2	30.8	19.3	11.6	19.7	40.4	67.9	69.8	32.7
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°	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0	896.0
2.5°	898.0	890.3	876.3	860.9	843.6	827.7	820.9	798.8	793.5	792.0	781.0
5°	907.1	890.3	853.7	810.3	759.8	714.0	663.5	623.0	600.4	598.5	601.4
7.5°	916.3	889.8	822.9	735.2	645.7	557.1	503.1	471.4	449.2	443.9	445.4
10°	921.1	883.0	775.7	640.9	517.1	452.6	421.8	410.7	407.3	404.4	404.4
12.5°	922.0	868.1	713.1	539.3	441.5	410.2	401.6	398.7	398.2	397.7	396.7
15°	923.0	849.3	633.2	460.8	407.3	397.2	393.9	393.4	394.3	393.9	393.9
17.5°	922.0	823.8	555.6	415.5	394.8	391.0	389.0	388.6	390.0	389.5	389.0
20°	918.7	791.1	480.0	392.4	386.1	385.2	382.8	380.9	382.8	383.3	382.8
22.5°	905.7	742.9	425.6	378.0	378.0	378.0	375.1	372.7	376.0	377.0	377.5
25°	885.4	685.2	385.2	365.9	368.3	367.4	367.4	366.9	370.3	371.2	371.7
27.5°	864.3	625.0	356.8	352.9	356.8	359.2	363.5	364.0	364.0	363.0	362.6
30°	837.3	559.5	338.5	341.4	346.7	355.3	363.0	362.1	358.7	355.3	355.8
32.5°	815.6	506.5	320.7	331.3	340.9	353.4	360.1	361.6	361.1	355.3	355.3
35°	807.4	464.1	308.6	322.6	337.0	348.6	351.5	357.7	356.8	349.6	349.1
37.5°	812.7	430.0	298.0	313.4	331.3	337.0	343.3	344.7	332.7	325.0	323.1
40°	824.3	404.9	288.4	301.9	321.6	326.4	335.1	322.1	312.0	305.7	306.7
42.5°	856.6	394.3	279.7	288.9	307.2	318.3	314.9	311.0	297.1	287.0	286.0
45°	907.6	393.9	272.0	275.4	290.8	302.4	301.9	297.6	282.6	272.0	270.6
47.5°	977.4	403.5	263.9	262.9	275.4	282.6	289.4	282.6	267.2	255.2	253.7
50°	1060.7	428.5	256.1	249.9	258.6	269.6	273.0	268.2	253.7	242.2	240.7
52.5°	1160.9	463.2	249.4	238.3	240.7	256.1	263.9	259.5	243.1	230.6	228.7
55°	1258.1	495.9	240.3	226.3	222.4	243.6	255.7	255.2	231.1	218.1	217.1
57.5°	1357.8	526.7	230.1	216.2	209.9	230.1	247.0	248.9	218.6	204.6	204.6
60°	1458.9	548.4	217.6	205.6	202.2	215.2	234.0	234.5	207.5	196.9	197.9
62.5°	1541.7	535.4	205.1	195.5	193.1	200.8	219.6	223.9	206.6	195.0	196.0
65°	1576.9	492.1	191.1	185.9	182.0	184.9	202.2	207.5	189.2	176.2	177.7
67.5°	1554.2	429.0	177.2	174.8	169.5	168.5	179.6	183.0	169.5	161.3	160.3
70°	1419.9	342.3	160.3	160.3	155.5	151.2	157.0	159.9	149.3	144.4	145.4
72.5°	1228.7	278.3	144.0	145.9	139.1	133.4	136.7	138.2	131.9	129.5	128.6
75°	1063.1	232.6	127.6	130.5	123.3	114.1	118.0	118.0	112.7	112.2	111.7
77.5°	775.2	174.8	109.8	113.1	107.4	95.8	96.8	97.3	95.3	95.3	95.8
80°	331.7	106.9	89.6	94.9	89.1	75.1	78.0	78.0	82.8	94.9	92.9
82.5°	110.3	63.6	67.9	74.6	68.4	55.9	59.2	63.6	81.9	78.5	74.6
85°	47.2	35.1	43.3	47.2	43.8	33.7	38.5	66.4	60.7	58.7	59.2
87.5°	15.9	14.9	18.3	21.7	15.4	10.6	19.7	40.4	39.5	29.9	28.9
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)