

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: P1207816

Luminaire Tested: UPW-SA1-030-730-U-T3R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207816  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-730-U-T3R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4633 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - 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

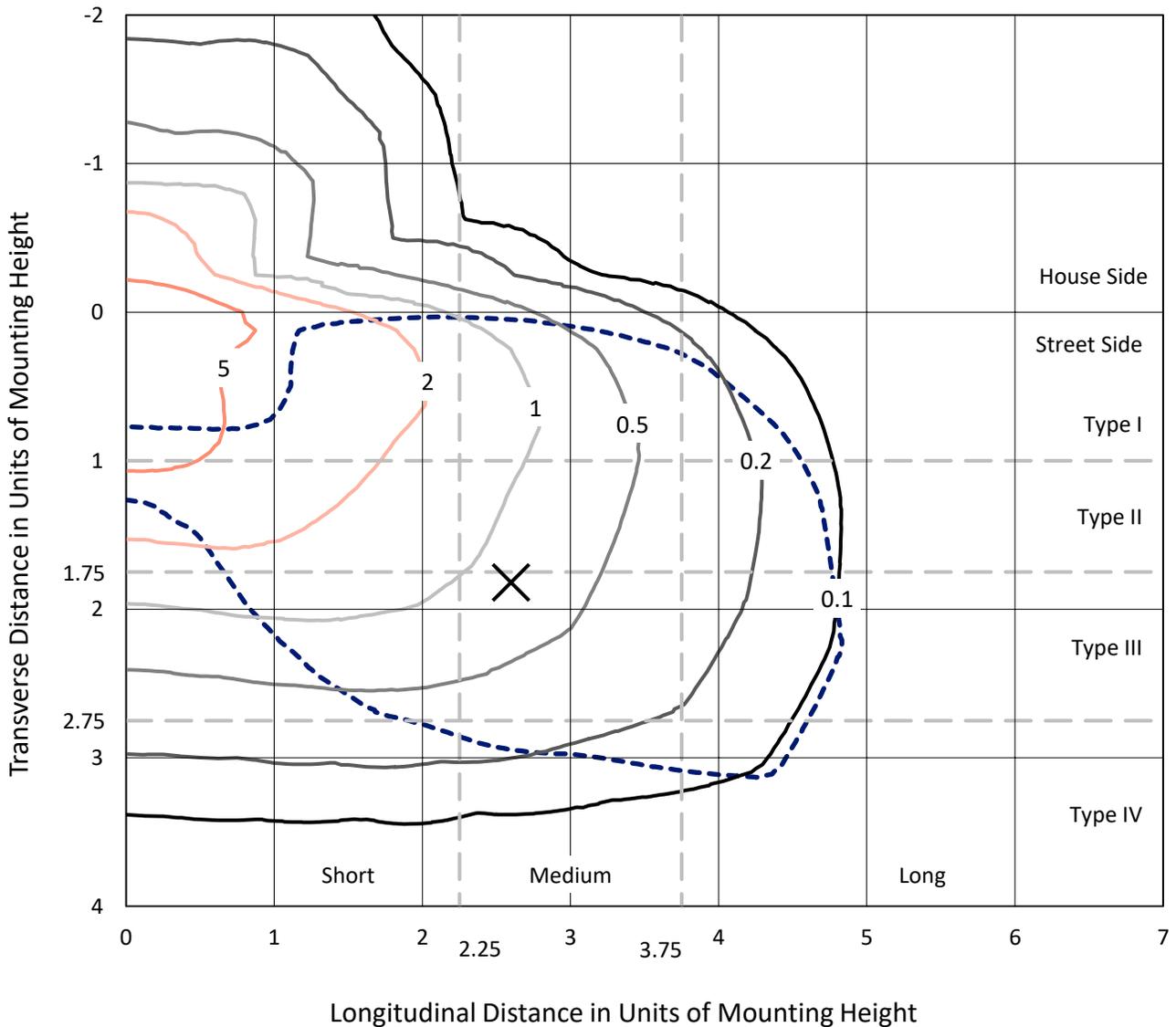


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### Iso-Footcandle Lines of Horizontal Illumination

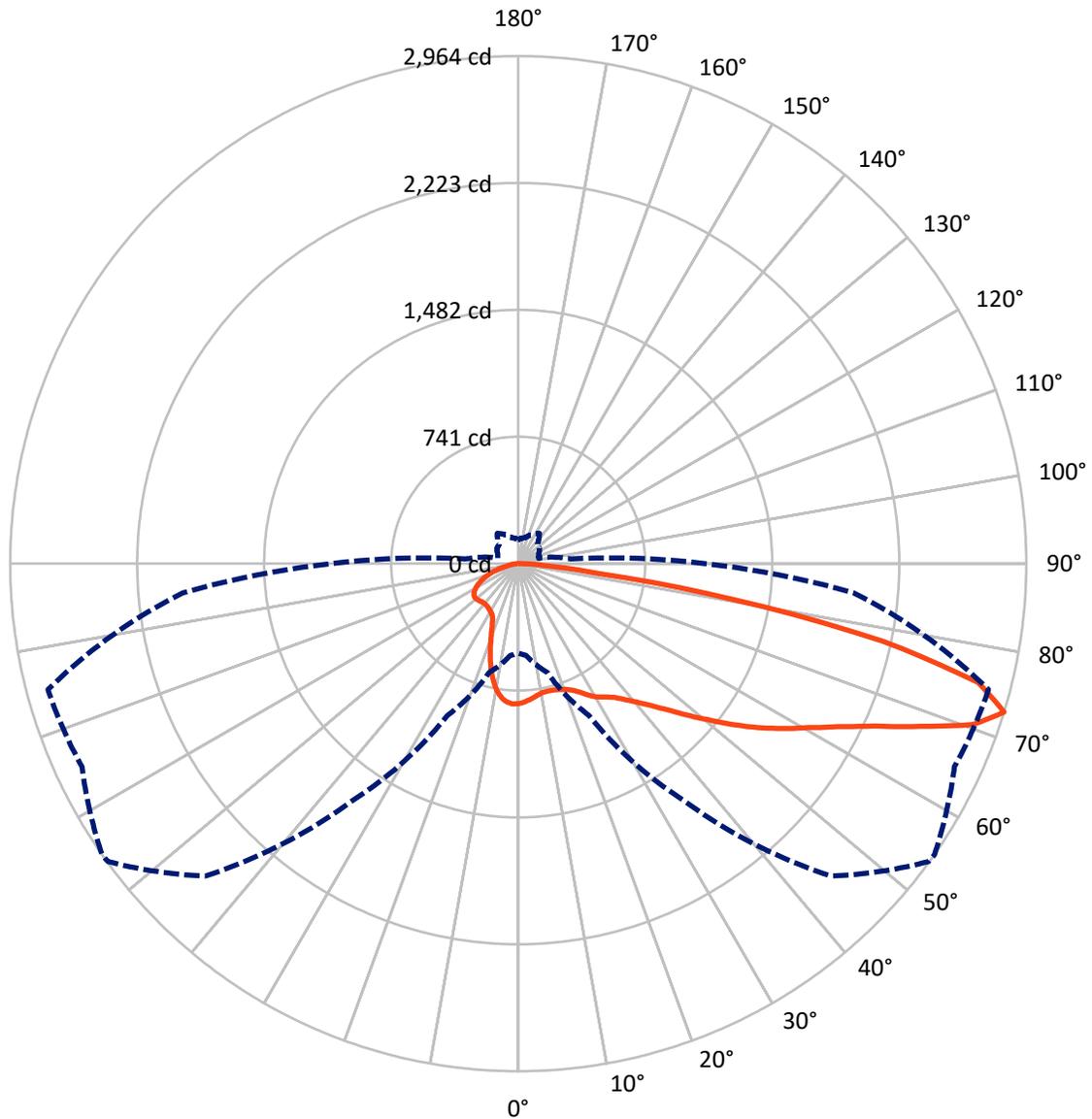
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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
<b>House Side</b>	Lumens	861.1	0.0	861.1
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	3771.9	0.0	3771.9
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	4633.0	0.0	4633.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.9	1.6
10°-20°	196.9	4.2
20°-30°	324.6	7.0
30°-40°	480.1	10.4
40°-50°	670.2	14.5
50°-60°	872.6	18.8
60°-70°	1072.4	23.1
70°-80°	840.6	18.1
80°-90°	101.7	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°	4633.0	100.0
0°-180°	4633.0	100.0



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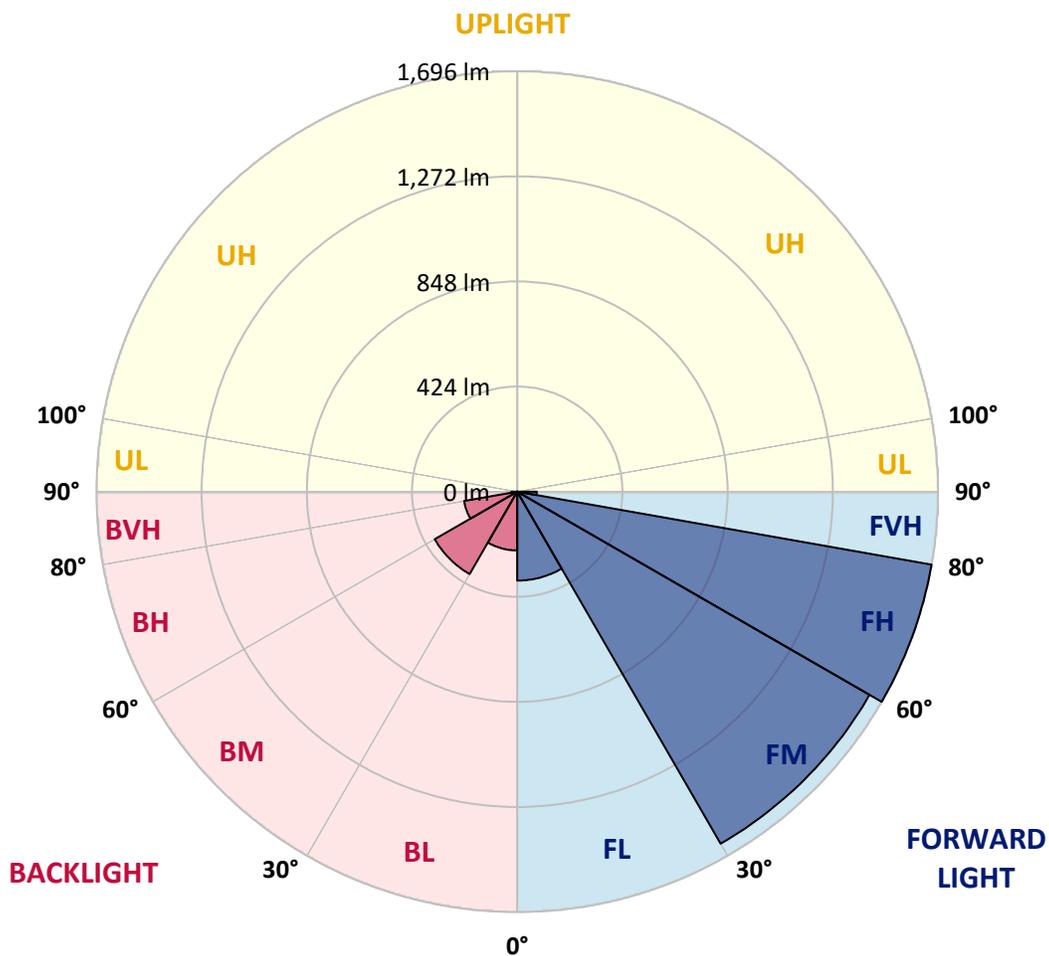
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.5	7.7			
FM	(30°-60°)	1639.2	35.4			
FH	(60°-80°)	1695.5	36.6			G1/1800
FVH	(80°-90°)	78.6	1.7			G1/100
BL	(0°-30°)	236.9	5.1	B1/500		
BM	(30°-60°)	383.6	8.3	B1/1000		
BH	(60°-80°)	217.5	4.7	B1/500		G1/500
BVH	(80°-90°)	23.1	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-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2
2.5°	790.6	788.7	791.0	794.3	797.9	802.8	805.6	806.8	811.7	813.6	817.6
5°	753.9	753.0	756.9	762.5	770.5	781.8	790.9	792.6	805.4	814.5	822.8
7.5°	727.3	727.3	731.9	738.6	747.5	762.7	775.5	777.9	799.6	819.2	834.5
10°	706.2	707.0	712.3	720.3	730.8	746.9	764.0	766.6	798.1	830.1	854.6
12.5°	692.1	694.0	698.9	706.1	719.0	738.6	760.2	763.8	801.4	845.8	878.7
15°	701.1	704.2	704.6	707.6	714.8	736.1	762.4	766.1	808.4	861.8	906.0
17.5°	740.2	741.3	736.4	730.2	726.7	740.3	769.0	772.9	816.8	877.6	932.3
20°	799.6	799.0	788.5	771.6	754.1	756.3	779.8	783.8	828.3	891.5	958.6
22.5°	874.7	872.6	856.4	825.3	795.4	782.9	798.7	802.1	845.5	911.4	986.8
25°	965.8	961.0	939.7	897.9	853.9	821.7	827.2	830.5	870.5	933.6	1012.6
27.5°	1061.9	1057.1	1030.0	979.4	920.9	870.7	866.5	869.3	899.0	950.0	1031.7
30°	1162.4	1157.2	1132.5	1075.8	992.0	921.4	903.1	904.2	919.0	958.9	1047.4
32.5°	1263.3	1258.4	1230.7	1165.0	1069.1	975.8	929.5	928.1	931.1	968.2	1065.0
35°	1365.6	1367.5	1335.1	1262.4	1154.5	1036.4	960.8	957.8	951.3	987.1	1090.1
37.5°	1475.2	1473.9	1432.0	1355.9	1243.9	1102.1	1005.7	1005.3	982.6	1022.9	1129.3
40°	1548.4	1549.2	1523.7	1451.7	1334.2	1174.9	1063.3	1062.2	1032.5	1076.6	1180.8
42.5°	1577.0	1582.2	1588.8	1543.1	1428.7	1259.2	1132.0	1130.4	1102.1	1153.6	1241.4
45°	1579.1	1589.4	1630.1	1624.3	1524.5	1355.8	1219.8	1215.4	1195.1	1255.9	1313.7
47.5°	1561.6	1572.2	1639.8	1672.7	1610.1	1457.7	1322.4	1319.0	1301.5	1383.9	1391.9
50°	1523.2	1533.4	1619.8	1696.3	1680.5	1555.6	1440.8	1431.7	1422.3	1531.8	1481.4
52.5°	1451.4	1471.0	1593.0	1701.9	1722.6	1642.6	1565.2	1559.2	1564.4	1687.8	1571.1
55°	1281.3	1303.2	1524.0	1697.2	1753.7	1715.7	1689.6	1689.2	1716.0	1851.5	1667.3
57.5°	1186.0	1201.5	1383.5	1689.2	1790.7	1788.3	1812.7	1815.7	1867.8	2029.8	1768.1
60°	1132.2	1148.4	1312.3	1659.7	1847.9	1882.2	1938.4	1944.3	2022.1	2227.1	1889.4
62.5°	1083.2	1101.0	1268.1	1599.4	1915.4	2016.5	2088.9	2094.2	2185.5	2429.9	2006.6
65°	999.5	1019.7	1203.5	1559.8	1976.7	2191.6	2280.3	2283.9	2373.1	2642.4	2096.3
67.5°	881.2	899.6	1081.6	1472.4	2022.1	2404.2	2534.7	2536.8	2559.1	2792.5	2142.1
70°	743.0	750.0	907.9	1291.8	1968.4	2603.1	2813.6	2814.1	2728.8	2888.5	2134.6
72.5°	522.0	538.6	659.1	977.9	1691.6	2578.9	2958.3	2963.7	2807.6	2840.0	1964.0
75°	320.2	337.7	413.4	592.6	1073.2	2028.2	2733.3	2770.2	2659.8	2532.2	1604.4
77.5°	214.1	220.6	269.8	345.5	486.2	1166.9	2101.4	2170.9	2209.6	1846.7	1026.1
80°	119.4	131.9	178.9	214.7	216.3	463.7	1260.0	1276.3	1229.3	735.3	316.6
82.5°	63.2	70.1	119.4	126.1	118.0	155.2	469.6	470.1	392.8	197.2	94.0
85°	49.0	54.8	81.8	77.0	60.2	68.9	154.9	163.4	133.6	80.7	30.7
87.5°	24.4	30.4	55.6	48.8	23.6	19.7	55.4	59.2	52.7	31.6	11.1
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°	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2
2.5°	819.2	820.6	822.3	820.4	819.8	817.3	813.1	812.2	810.0	810.1	811.4
5°	826.4	828.7	827.8	820.6	812.0	799.9	787.4	776.8	769.7	769.3	768.8
7.5°	840.2	841.7	834.4	813.9	789.8	761.9	735.6	712.6	698.7	695.3	694.5
10°	861.8	861.4	841.3	799.9	751.9	702.1	659.9	628.0	609.4	603.9	602.5
12.5°	885.9	882.3	843.6	774.6	698.4	629.4	575.9	540.3	520.9	514.7	513.1
15°	910.7	901.8	837.8	736.7	632.7	551.0	494.8	461.9	451.5	448.0	447.4
17.5°	933.9	916.7	821.2	685.4	557.7	472.9	429.1	415.9	418.4	423.0	423.1
20°	956.6	926.7	794.6	620.6	478.7	408.6	393.7	403.4	415.3	424.5	425.8
22.5°	979.0	933.7	760.4	545.8	408.0	372.4	382.9	400.6	414.2	424.2	426.0
25°	997.7	935.5	713.1	466.0	358.8	358.8	377.8	394.5	408.0	417.8	419.5
27.5°	1004.6	923.9	646.4	392.1	334.1	352.6	370.6	384.5	395.9	406.4	408.3
30°	1007.3	902.4	569.4	332.8	323.9	345.8	360.9	372.7	383.5	393.4	395.1
32.5°	1007.8	876.6	487.8	299.2	316.9	338.8	348.8	359.3	370.9	374.8	375.4
35°	1010.7	846.1	401.7	282.0	310.3	332.2	340.2	347.7	328.9	330.3	331.6
37.5°	1019.3	815.9	329.7	272.3	306.1	328.8	338.3	311.1	296.4	292.9	292.5
40°	1035.5	783.7	276.4	264.5	304.5	330.5	326.3	290.4	265.1	246.1	243.3
42.5°	1057.8	748.9	242.2	259.3	305.6	338.8	309.5	270.6	228.5	216.3	214.7
45°	1083.0	712.5	223.8	255.7	309.4	345.2	306.1	244.1	211.4	202.2	201.4
47.5°	1107.4	667.9	214.2	254.1	314.5	340.0	291.5	236.0	203.3	198.4	198.9
50°	1135.5	627.7	208.4	252.4	319.1	336.8	275.1	231.8	200.1	206.1	212.3
52.5°	1159.1	586.0	203.3	249.0	320.8	331.0	270.9	232.5	200.1	211.6	217.5
55°	1187.1	554.6	197.3	241.8	317.5	314.5	267.9	237.2	202.5	195.3	195.9
57.5°	1223.2	544.3	190.8	230.5	306.6	290.6	266.5	241.8	201.1	196.5	198.1
60°	1273.3	555.2	188.1	215.8	289.5	271.8	266.6	239.4	191.2	183.4	183.6
62.5°	1321.0	567.4	187.9	206.6	268.5	255.1	263.1	231.8	186.2	181.7	183.4
65°	1336.7	555.1	180.4	196.2	244.9	235.0	256.5	223.6	182.5	175.6	175.3
67.5°	1315.7	516.7	165.2	179.5	217.8	211.7	247.9	213.9	176.5	170.9	169.9
70°	1253.4	431.1	146.5	157.4	187.0	185.4	234.3	202.6	168.5	163.7	159.6
72.5°	1085.8	307.2	123.5	131.0	152.3	157.3	215.5	187.9	157.3	146.8	140.5
75°	891.8	227.4	101.4	103.0	115.6	129.3	189.7	170.7	144.0	126.1	121.3
77.5°	546.1	139.1	80.7	81.4	82.9	103.1	156.2	151.5	127.1	105.2	101.7
80°	176.8	75.9	58.4	61.3	56.6	75.6	120.8	128.9	109.1	87.9	84.2
82.5°	67.3	44.3	39.4	41.5	39.3	50.7	88.1	103.3	89.4	72.3	58.8
85°	32.5	25.0	23.3	26.1	24.3	26.0	56.3	76.1	67.8	47.1	43.8
87.5°	11.6	11.1	8.9	12.0	10.3	9.2	17.2	38.3	44.8	32.4	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)