

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: P1208663

Luminaire Tested: UPW-SA1-070-827-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208663  
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-SA1-070-827-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 5842 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 66  
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

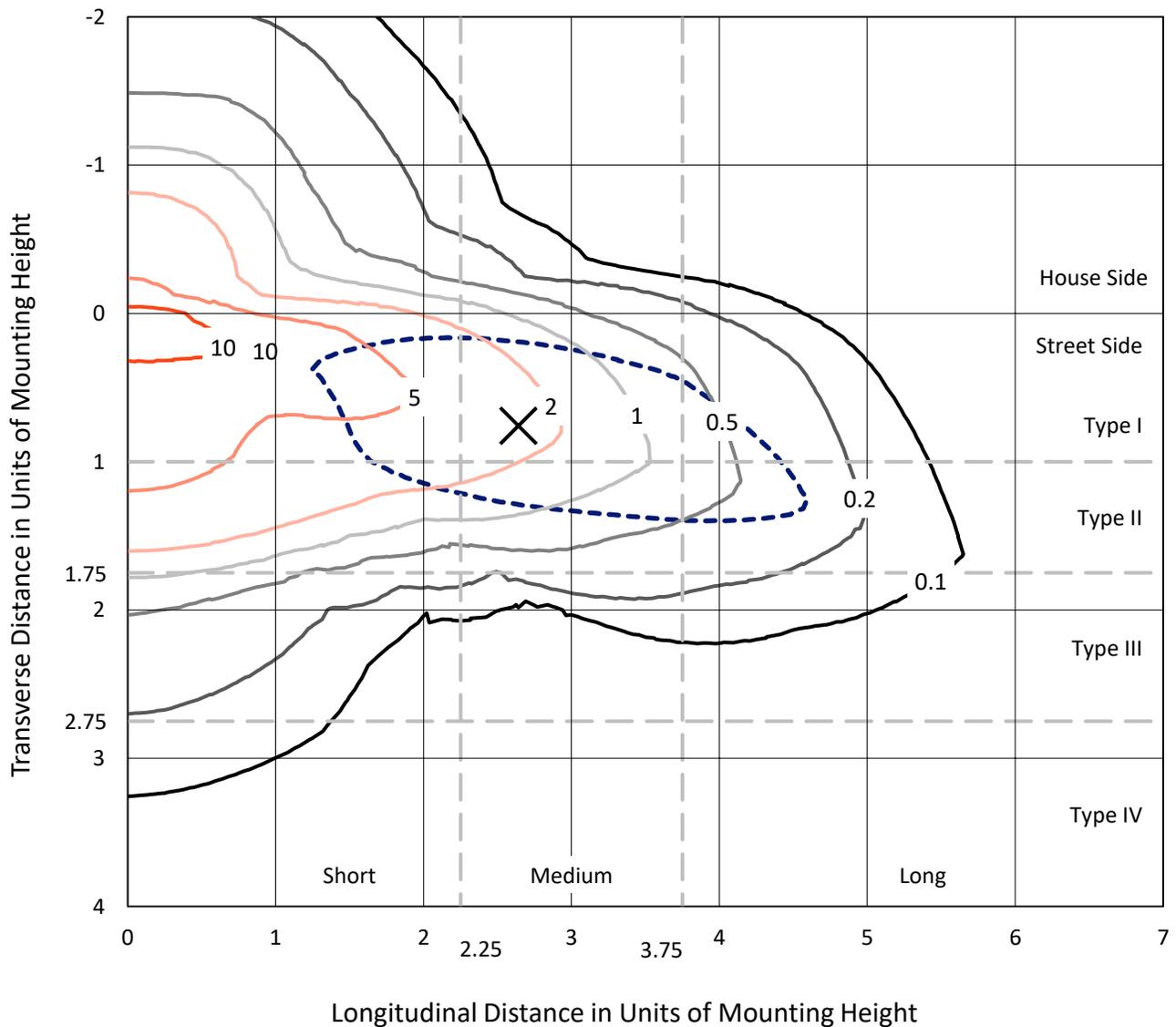


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

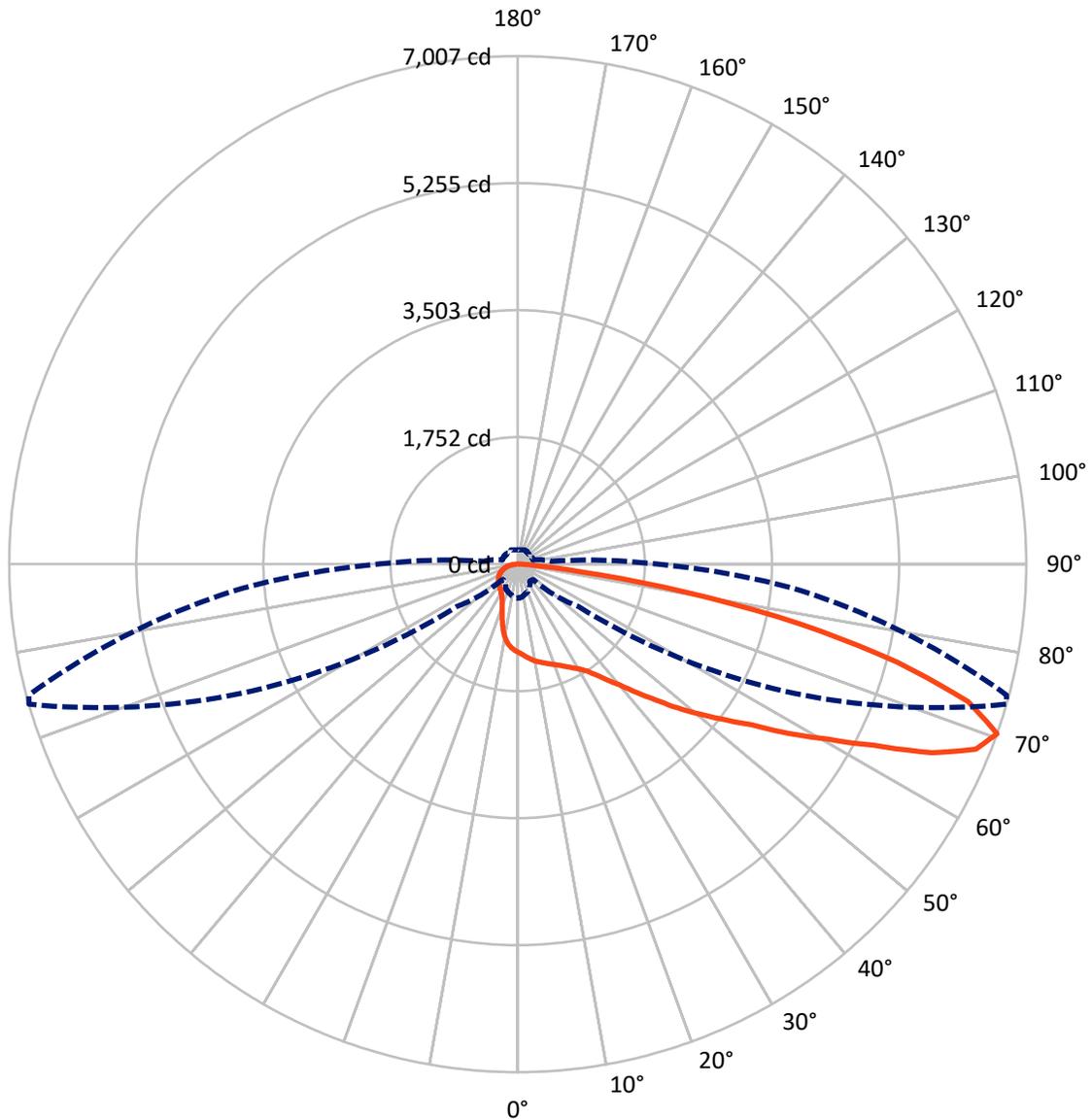


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Medium - N/A

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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	1069.3	0.0	1069.3
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	4772.7	0.0	4772.7
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	5842.0	0.0	5842.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.8	1.8
10°-20°	281.1	4.8
20°-30°	445.1	7.6
30°-40°	663.2	11.4
40°-50°	914.5	15.7
50°-60°	1226.4	21.0
60°-70°	1272.8	21.8
70°-80°	805.4	13.8
80°-90°	126.8	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°	5842.0	100.0
0°-180°	5842.0	100.0



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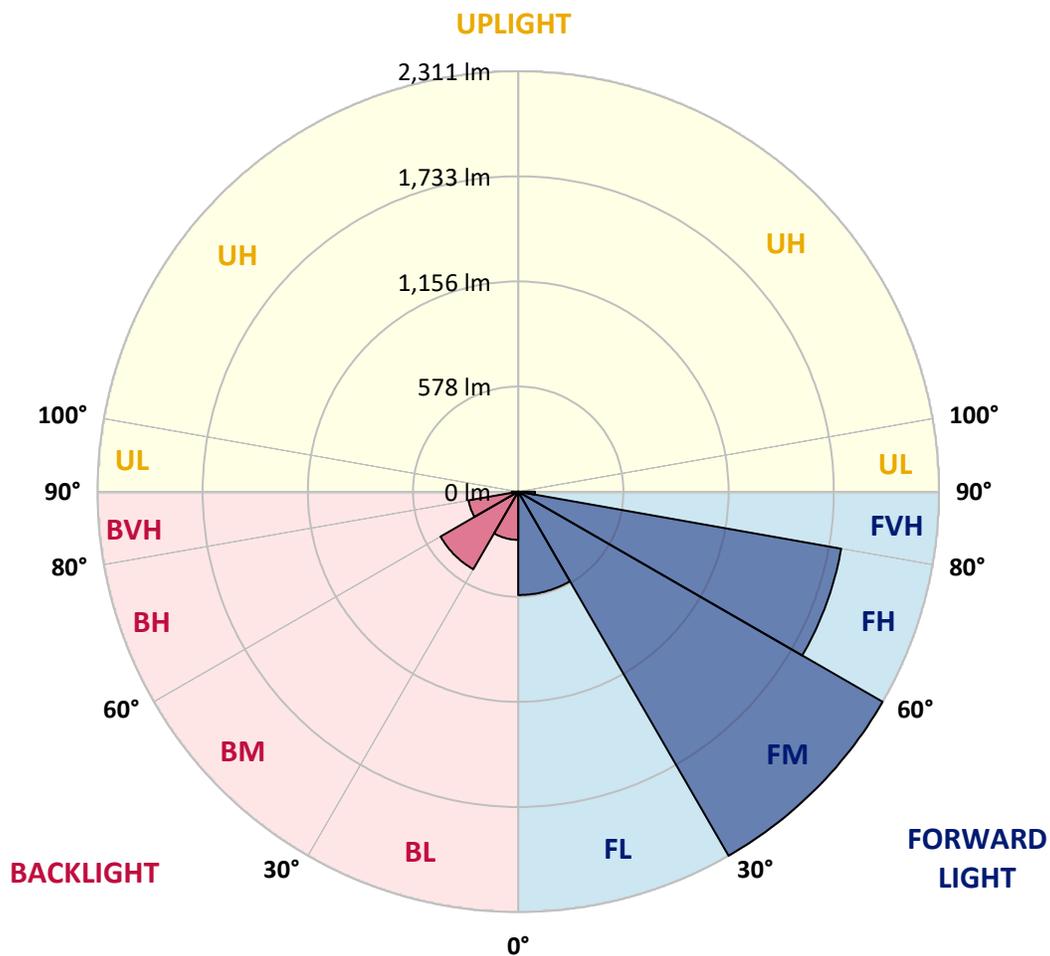
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	568.3	9.7			
FM	(30°-60°)	2311.0	39.6			
FH	(60°-80°)	1801.2	30.8			G2/5000
FVH	(80°-90°)	92.1	1.6			G1/100
BL	(0°-30°)	264.7	4.5	B1/500		
BM	(30°-60°)	493.1	8.4	B1/1000		
BH	(60°-80°)	276.9	4.7	B1/500		G1/500
BVH	(80°-90°)	34.6	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-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5
2.5°	1300.8	1298.9	1294.3	1294.3	1292.3	1287.8	1274.7	1261.0	1247.9	1246.6	1229.6
5°	1354.4	1351.2	1350.5	1350.5	1347.9	1343.3	1325.7	1306.7	1287.8	1283.8	1253.1
7.5°	1379.9	1377.3	1378.0	1381.2	1386.5	1382.6	1366.9	1350.5	1325.0	1321.8	1276.0
10°	1366.2	1368.2	1376.0	1394.3	1407.4	1414.6	1401.5	1386.5	1360.3	1356.4	1294.3
12.5°	1279.3	1285.2	1310.0	1357.1	1406.7	1434.2	1433.5	1417.9	1386.5	1383.2	1308.7
15°	1147.9	1140.7	1186.4	1261.6	1351.8	1429.6	1455.1	1447.9	1416.5	1412.0	1325.7
17.5°	1083.2	1083.8	1104.1	1150.5	1249.9	1392.4	1466.9	1478.0	1448.6	1442.7	1344.6
20°	1109.3	1108.7	1110.6	1126.3	1174.0	1316.5	1467.5	1510.7	1480.0	1476.0	1361.6
22.5°	1183.8	1181.2	1175.3	1162.3	1163.6	1249.2	1458.4	1546.6	1519.8	1512.0	1373.4
25°	1287.8	1281.2	1262.3	1232.9	1201.5	1228.9	1434.8	1588.5	1565.6	1557.1	1385.8
27.5°	1406.1	1404.8	1384.5	1328.3	1268.8	1254.4	1408.0	1634.2	1619.8	1608.1	1399.5
30°	1528.3	1521.1	1502.2	1442.0	1366.9	1310.0	1400.2	1684.6	1677.4	1662.3	1410.7
32.5°	1595.0	1591.7	1579.3	1542.7	1477.3	1390.4	1423.1	1736.2	1759.7	1748.6	1434.8
35°	1648.0	1642.1	1629.0	1614.0	1580.6	1496.3	1476.0	1798.3	1882.6	1863.0	1486.5
37.5°	1698.3	1691.7	1682.6	1668.2	1646.6	1597.6	1553.2	1883.3	2038.2	2024.5	1564.9
40°	1754.5	1747.3	1735.5	1725.7	1695.7	1680.6	1625.7	1964.3	2204.9	2198.4	1659.1
42.5°	1797.0	1789.1	1783.3	1776.7	1744.0	1715.9	1682.6	2041.5	2429.8	2413.4	1783.9
45°	1828.4	1823.8	1823.8	1815.9	1794.4	1717.2	1722.5	2144.8	2671.6	2666.4	1956.5
47.5°	1862.4	1856.5	1859.7	1852.6	1846.0	1718.5	1771.5	2282.7	2962.5	2957.9	2149.3
50°	1902.9	1897.0	1910.1	1899.6	1902.2	1757.8	1841.4	2455.3	3250.1	3239.0	2354.6
52.5°	1908.1	1906.8	1939.5	1963.0	1982.0	1847.3	1959.8	2661.2	3564.6	3564.6	2593.8
55°	1802.2	1799.6	1863.0	1963.0	2069.6	2019.2	2179.4	2983.4	3912.3	3921.5	2806.9
57.5°	1463.6	1476.0	1583.2	1780.0	2065.0	2264.4	2504.3	3375.7	4402.6	4372.5	3016.1
60°	930.9	949.2	1034.8	1305.4	1756.5	2305.6	2854.0	3873.8	4900.1	4842.5	3292.6
62.5°	615.1	599.4	600.7	728.2	1130.2	1937.5	2922.6	4464.0	5500.1	5458.3	3538.4
65°	547.1	536.0	480.5	447.1	549.1	1210.0	2485.3	4889.6	6271.5	6154.5	3726.7
67.5°	519.0	507.9	456.3	404.6	345.8	618.4	1766.3	4811.2	6810.1	6736.3	3865.9
70°	470.0	463.5	421.6	381.8	288.9	298.7	1019.1	4223.5	7006.9	6971.6	3802.5
72.5°	408.6	400.7	372.6	345.1	253.6	220.3	489.0	3348.2	6489.8	6487.2	3533.8
75°	334.7	328.2	305.3	296.1	214.4	180.4	277.8	2351.3	5406.7	5377.9	3141.0
77.5°	273.9	264.7	249.1	241.9	177.8	145.1	195.5	1641.4	3990.1	3914.9	2198.4
80°	198.7	192.8	177.8	194.8	140.5	112.4	145.1	1021.1	2344.8	2191.8	823.6
82.5°	120.9	109.2	122.9	149.0	103.9	80.4	106.6	569.4	840.6	738.7	245.8
85°	56.2	57.5	71.9	95.4	62.1	47.1	66.7	249.1	243.8	233.4	103.3
87.5°	9.2	9.8	27.5	41.8	26.1	15.7	26.8	54.9	92.2	94.8	44.5
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°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5
2.5°	1219.1	1208.7	1189.7	1168.8	1145.3	1123.7	1114.5	1084.5	1077.3	1075.3	1060.3
5°	1231.6	1208.7	1159.0	1100.2	1031.5	969.4	900.8	845.9	815.2	812.5	816.5
7.5°	1244.0	1208.0	1117.2	998.2	876.6	756.3	683.1	640.0	609.9	602.7	604.7
10°	1250.5	1198.9	1053.1	870.1	702.1	614.5	572.6	557.6	553.0	549.1	549.1
12.5°	1251.8	1178.6	968.1	732.1	599.4	556.9	545.2	541.3	540.6	539.9	538.6
15°	1253.1	1153.1	859.6	625.6	553.0	539.3	534.7	534.1	535.4	534.7	534.7
17.5°	1251.8	1118.5	754.4	564.1	536.0	530.8	528.2	527.5	529.5	528.8	528.2
20°	1247.2	1074.0	651.7	532.8	524.3	523.0	519.7	517.1	519.7	520.3	519.7
22.5°	1229.6	1008.6	577.9	513.1	513.1	513.1	509.2	506.0	510.5	511.8	512.5
25°	1202.1	930.2	523.0	496.8	500.1	498.8	498.8	498.1	502.7	504.0	504.6
27.5°	1173.4	848.5	484.4	479.2	484.4	487.7	493.5	494.2	494.2	492.9	492.2
30°	1136.8	759.6	459.5	463.5	470.7	482.4	492.9	491.6	487.0	482.4	483.1
32.5°	1107.3	687.7	435.4	449.7	462.8	479.8	489.0	490.9	490.3	482.4	482.4
35°	1096.2	630.2	419.0	438.0	457.6	473.3	477.2	485.7	484.4	474.6	473.9
37.5°	1103.4	583.7	404.6	425.6	449.7	457.6	466.1	468.0	451.7	441.2	438.6
40°	1119.1	549.8	391.6	409.9	436.7	443.2	455.0	437.3	423.6	415.1	416.4
42.5°	1162.9	535.4	379.8	392.2	417.1	432.1	427.5	422.3	403.3	389.6	388.3
45°	1232.2	534.7	369.3	373.9	394.8	410.5	409.9	404.0	383.7	369.3	367.4
47.5°	1327.0	547.8	358.2	356.9	373.9	383.7	392.9	383.7	362.8	346.5	344.5
50°	1440.1	581.8	347.8	339.3	351.0	366.1	370.6	364.1	344.5	328.8	326.8
52.5°	1576.0	628.8	338.6	323.6	326.8	347.8	358.2	352.3	330.1	313.1	310.5
55°	1708.1	673.3	326.2	307.2	302.0	330.8	347.1	346.5	313.8	296.1	294.8
57.5°	1843.4	715.1	312.5	293.5	285.0	312.5	335.3	338.0	296.8	277.8	277.8
60°	1980.7	744.6	295.5	279.1	274.5	292.2	317.7	318.3	281.7	267.4	268.7
62.5°	2093.1	726.9	278.5	265.4	262.1	272.6	298.1	304.0	280.4	264.7	266.1
65°	2140.8	668.1	259.5	252.3	247.1	251.0	274.5	281.7	256.9	239.3	241.2
67.5°	2110.1	582.4	240.6	237.3	230.1	228.8	243.8	248.4	230.1	219.0	217.7
70°	1927.7	464.8	217.7	217.7	211.1	205.3	213.1	217.0	202.6	196.1	197.4
72.5°	1668.2	377.8	195.5	198.1	188.9	181.1	185.6	187.6	179.1	175.8	174.5
75°	1443.3	315.7	173.2	177.1	167.3	154.9	160.2	160.2	153.0	152.3	151.7
77.5°	1052.4	237.3	149.0	153.6	145.8	130.1	131.4	132.0	129.4	129.4	130.1
80°	450.4	145.1	121.6	128.8	120.9	102.0	105.9	105.9	112.4	128.8	126.2
82.5°	149.7	86.3	92.2	101.3	92.8	75.8	80.4	86.3	111.1	106.6	101.3
85°	64.1	47.7	58.8	64.1	59.5	45.8	52.3	90.2	82.4	79.8	80.4
87.5°	21.6	20.3	24.8	29.4	20.9	14.4	26.8	54.9	53.6	40.5	39.2
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)