

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: P1208383

Luminaire Tested: UPW-SA1-060-750-U-T3R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-750-U-T3R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7722 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

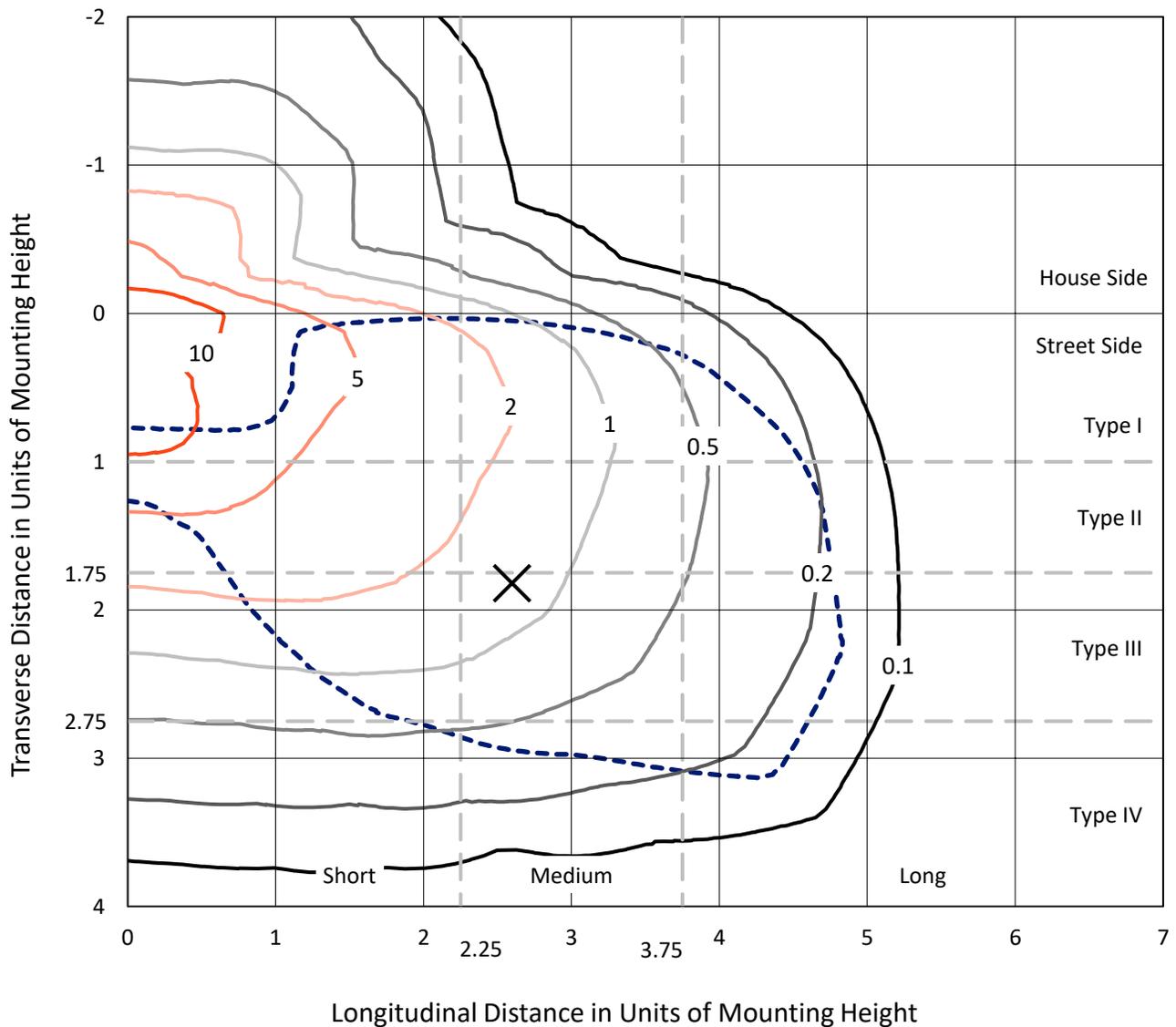
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

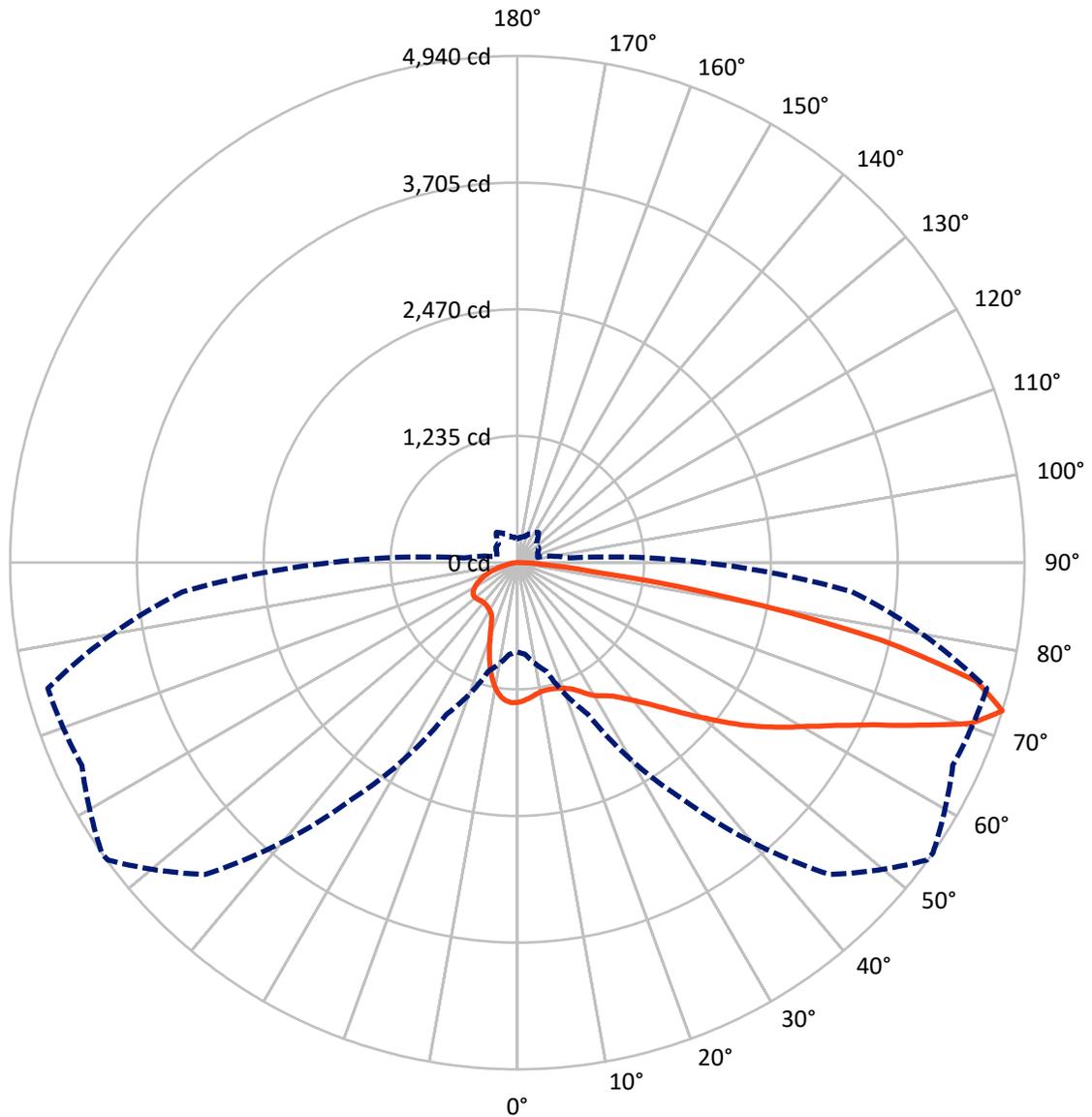


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc  
 Type IV - Medium - N/A

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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	1435.3	0.0	1435.3
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	6286.7	0.0	6286.7
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	7722.0	0.0	7722.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.2	1.6
10°-20°	328.1	4.2
20°-30°	541.0	7.0
30°-40°	800.3	10.4
40°-50°	1117.0	14.5
50°-60°	1454.4	18.8
60°-70°	1787.4	23.1
70°-80°	1401.1	18.1
80°-90°	169.6	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°	7722.0	100.0
0°-180°	7722.0	100.0



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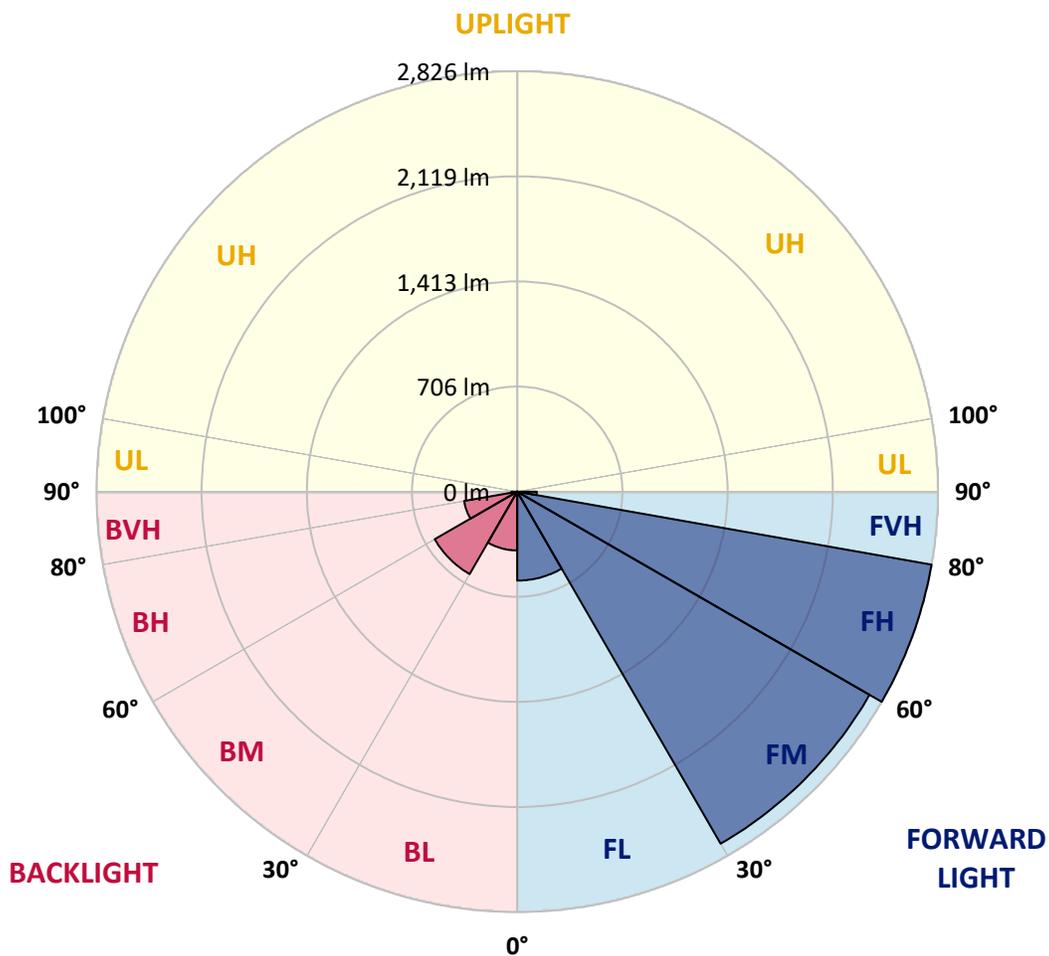
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	597.5	7.7			
FM	(30°-60°)	2732.2	35.4			
FH	(60°-80°)	2826.0	36.6			G2/5000
FVH	(80°-90°)	131.1	1.7			G2/225
BL	(0°-30°)	394.9	5.1	B1/500		
BM	(30°-60°)	639.4	8.3	B1/1000		
BH	(60°-80°)	362.5	4.7	B1/500		G1/500
BVH	(80°-90°)	38.5	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-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0
2.5°	1317.7	1314.5	1318.4	1323.9	1329.9	1338.0	1342.7	1344.8	1352.9	1356.0	1362.8
5°	1256.6	1255.1	1261.6	1271.0	1284.3	1303.0	1318.2	1321.0	1342.4	1357.6	1371.4
7.5°	1212.3	1212.3	1219.8	1231.1	1245.9	1271.2	1292.6	1296.5	1332.8	1365.4	1390.9
10°	1177.1	1178.4	1187.2	1200.5	1218.0	1244.9	1273.3	1277.8	1330.2	1383.6	1424.3
12.5°	1153.6	1156.7	1164.8	1176.8	1198.5	1231.1	1267.1	1273.1	1335.7	1409.7	1464.5
15°	1168.5	1173.7	1174.5	1179.4	1191.4	1226.9	1270.7	1277.0	1347.4	1436.3	1510.1
17.5°	1233.7	1235.5	1227.4	1217.0	1211.2	1233.9	1281.7	1288.2	1361.5	1462.7	1554.0
20°	1332.8	1331.7	1314.3	1286.1	1256.9	1260.5	1299.7	1306.4	1380.5	1485.9	1597.8
22.5°	1458.0	1454.3	1427.5	1375.6	1325.7	1304.9	1331.2	1337.0	1409.2	1519.0	1644.7
25°	1609.8	1601.7	1566.2	1496.6	1423.3	1369.6	1378.7	1384.2	1450.9	1556.0	1687.8
27.5°	1769.9	1761.8	1716.7	1632.5	1534.9	1451.2	1444.2	1448.8	1498.4	1583.4	1719.6
30°	1937.4	1928.8	1887.5	1793.1	1653.3	1535.7	1505.2	1507.0	1531.8	1598.3	1745.7
32.5°	2105.6	2097.5	2051.3	1941.8	1781.9	1626.5	1549.3	1546.9	1551.9	1613.7	1775.1
35°	2276.2	2279.3	2225.3	2104.0	1924.3	1727.4	1601.4	1596.5	1585.5	1645.2	1816.9
37.5°	2458.7	2456.7	2386.8	2260.0	2073.2	1836.9	1676.3	1675.5	1637.7	1705.0	1882.3
40°	2580.8	2582.1	2539.6	2419.6	2223.7	1958.2	1772.3	1770.4	1720.9	1794.4	1968.1
42.5°	2628.5	2637.1	2648.1	2571.9	2381.3	2098.8	1886.8	1884.2	1836.9	1922.8	2069.1
45°	2631.9	2649.1	2716.9	2707.3	2540.9	2259.7	2033.1	2025.8	1991.9	2093.3	2189.6
47.5°	2602.7	2620.4	2733.1	2787.9	2683.6	2429.5	2204.2	2198.4	2169.2	2306.7	2320.0
50°	2538.8	2555.8	2699.7	2827.3	2800.9	2592.8	2401.4	2386.2	2370.6	2553.2	2469.2
52.5°	2419.1	2451.7	2655.1	2836.7	2871.1	2737.8	2608.7	2598.8	2607.4	2813.2	2618.6
55°	2135.6	2172.1	2540.1	2828.8	2923.0	2859.6	2816.1	2815.5	2860.1	3086.0	2779.0
57.5°	1976.7	2002.6	2305.9	2815.5	2984.5	2980.6	3021.3	3026.3	3113.1	3383.1	2947.0
60°	1887.0	1914.1	2187.2	2766.2	3080.0	3137.1	3230.8	3240.7	3370.3	3712.0	3149.1
62.5°	1805.4	1835.1	2113.7	2665.8	3192.4	3360.9	3481.7	3490.5	3642.6	4050.0	3344.5
65°	1665.8	1699.5	2006.0	2599.8	3294.7	3652.8	3800.6	3806.6	3955.3	4404.2	3493.9
67.5°	1468.7	1499.4	1802.8	2454.0	3370.3	4007.2	4224.7	4228.1	4265.4	4654.3	3570.3
70°	1238.4	1250.1	1513.3	2153.1	3280.8	4338.7	4689.5	4690.3	4548.2	4814.5	3557.8
72.5°	870.1	897.7	1098.6	1629.9	2819.4	4298.3	4930.8	4939.6	4679.6	4733.6	3273.5
75°	533.6	562.8	689.1	987.7	1788.7	3380.5	4555.7	4617.3	4433.1	4220.6	2674.2
77.5°	356.8	367.8	449.7	575.9	810.4	1944.9	3502.5	3618.3	3682.8	3077.9	1710.2
80°	199.0	219.9	298.1	357.8	360.5	772.8	2100.1	2127.2	2049.0	1225.6	527.6
82.5°	105.4	116.8	199.0	210.2	196.7	258.7	782.7	783.5	654.7	328.6	156.8
85°	81.6	91.3	136.4	128.3	100.4	114.8	258.2	272.3	222.7	134.6	51.1
87.5°	40.7	50.6	92.6	81.4	39.4	32.9	92.3	98.6	87.9	52.7	18.5
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°	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0	1362.0
2.5°	1365.4	1367.7	1370.6	1367.5	1366.4	1362.3	1355.2	1353.6	1350.0	1350.3	1352.3
5°	1377.4	1381.3	1379.7	1367.7	1353.4	1333.3	1312.4	1294.7	1283.0	1282.2	1281.4
7.5°	1400.3	1402.9	1390.7	1356.5	1316.4	1269.9	1226.1	1187.8	1164.6	1158.8	1157.5
10°	1436.3	1435.8	1402.2	1333.3	1253.2	1170.3	1099.9	1046.7	1015.6	1006.5	1004.2
12.5°	1476.5	1470.5	1406.1	1291.1	1164.0	1049.0	959.8	900.6	868.3	857.8	855.2
15°	1518.0	1503.1	1396.4	1227.9	1054.5	918.3	824.7	769.9	752.5	746.7	745.7
17.5°	1556.6	1527.9	1368.8	1142.4	929.6	788.2	715.2	693.3	697.4	705.0	705.3
20°	1594.4	1544.6	1324.4	1034.4	797.8	681.0	656.2	672.4	692.2	707.6	709.7
22.5°	1631.7	1556.3	1267.3	909.7	680.0	620.7	638.2	667.7	690.4	707.1	709.9
25°	1663.0	1559.2	1188.6	776.7	598.1	598.1	629.6	657.5	680.0	696.4	699.3
27.5°	1674.5	1539.9	1077.4	653.6	556.8	587.6	617.6	640.8	659.9	677.3	680.5
30°	1678.9	1504.1	949.1	554.8	539.9	576.4	601.4	621.3	639.3	655.7	658.6
32.5°	1679.7	1461.1	813.0	498.7	528.2	564.7	581.4	598.8	618.1	624.7	625.7
35°	1684.6	1410.2	669.5	470.0	517.2	553.7	567.0	579.5	548.2	550.6	552.7
37.5°	1699.0	1359.9	549.5	453.8	510.2	548.0	563.9	518.5	494.0	488.3	487.5
40°	1725.8	1306.2	460.6	440.8	507.6	550.8	543.8	484.1	441.8	410.3	405.6
42.5°	1763.1	1248.3	403.7	432.2	509.4	564.7	515.9	451.0	380.8	360.5	357.8
45°	1805.1	1187.5	373.0	426.2	515.6	575.4	510.2	406.9	352.4	337.0	335.7
47.5°	1845.8	1113.2	357.1	423.6	524.2	566.8	485.9	393.3	338.8	330.7	331.5
50°	1892.5	1046.1	347.4	420.7	531.8	561.3	458.5	386.3	333.6	343.5	353.9
52.5°	1931.9	976.8	338.8	415.0	534.7	551.6	451.5	387.6	333.6	352.6	362.5
55°	1978.6	924.3	328.9	403.0	529.2	524.2	446.5	395.4	337.5	325.5	326.5
57.5°	2038.8	907.1	317.9	384.2	510.9	484.3	444.2	403.0	335.2	327.6	330.2
60°	2122.3	925.4	313.5	359.7	482.5	453.0	444.4	399.1	318.7	305.7	305.9
62.5°	2201.8	945.7	313.2	344.3	447.6	425.1	438.4	386.3	310.4	302.8	305.7
65°	2227.9	925.1	300.7	327.1	408.2	391.7	427.5	372.7	304.1	292.6	292.1
67.5°	2193.0	861.2	275.4	299.2	363.1	352.9	413.1	356.5	294.2	284.8	283.2
70°	2089.2	718.6	244.1	262.4	311.7	309.1	390.4	337.8	280.9	272.8	266.0
72.5°	1809.8	512.0	205.8	218.3	253.8	262.1	359.1	313.2	262.1	244.6	234.2
75°	1486.4	379.0	169.0	171.6	192.7	215.4	316.1	284.6	240.0	210.2	202.1
77.5°	910.3	231.9	134.6	135.6	138.2	171.9	260.3	252.5	211.8	175.3	169.5
80°	294.7	126.5	97.3	102.2	94.4	126.0	201.4	214.9	181.8	146.6	140.3
82.5°	112.2	73.8	65.7	69.1	65.5	84.5	146.8	172.1	148.9	120.5	98.1
85°	54.3	41.7	38.9	43.6	40.4	43.3	93.9	126.8	112.9	78.5	73.0
87.5°	19.3	18.5	14.9	20.1	17.2	15.4	28.7	63.9	74.6	54.0	48.3
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)