

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: P1208599

Luminaire Tested: UPW-SA1-070-740-U-T3R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208599  
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-SA1-070-740-U-T3R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8473 lumens  
Efficiency: N/A  
Efficacy: 126.5 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): 67  
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

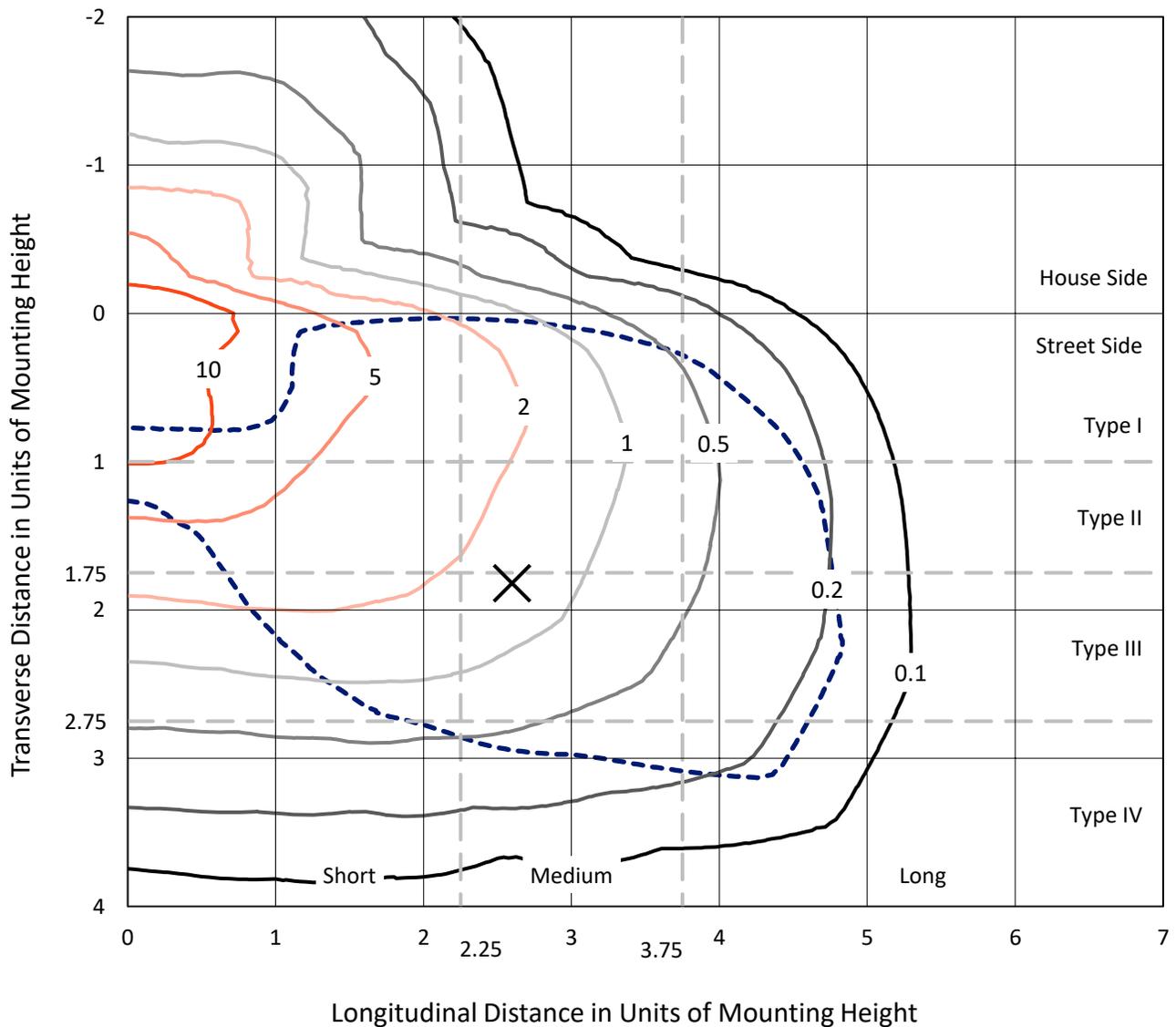


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

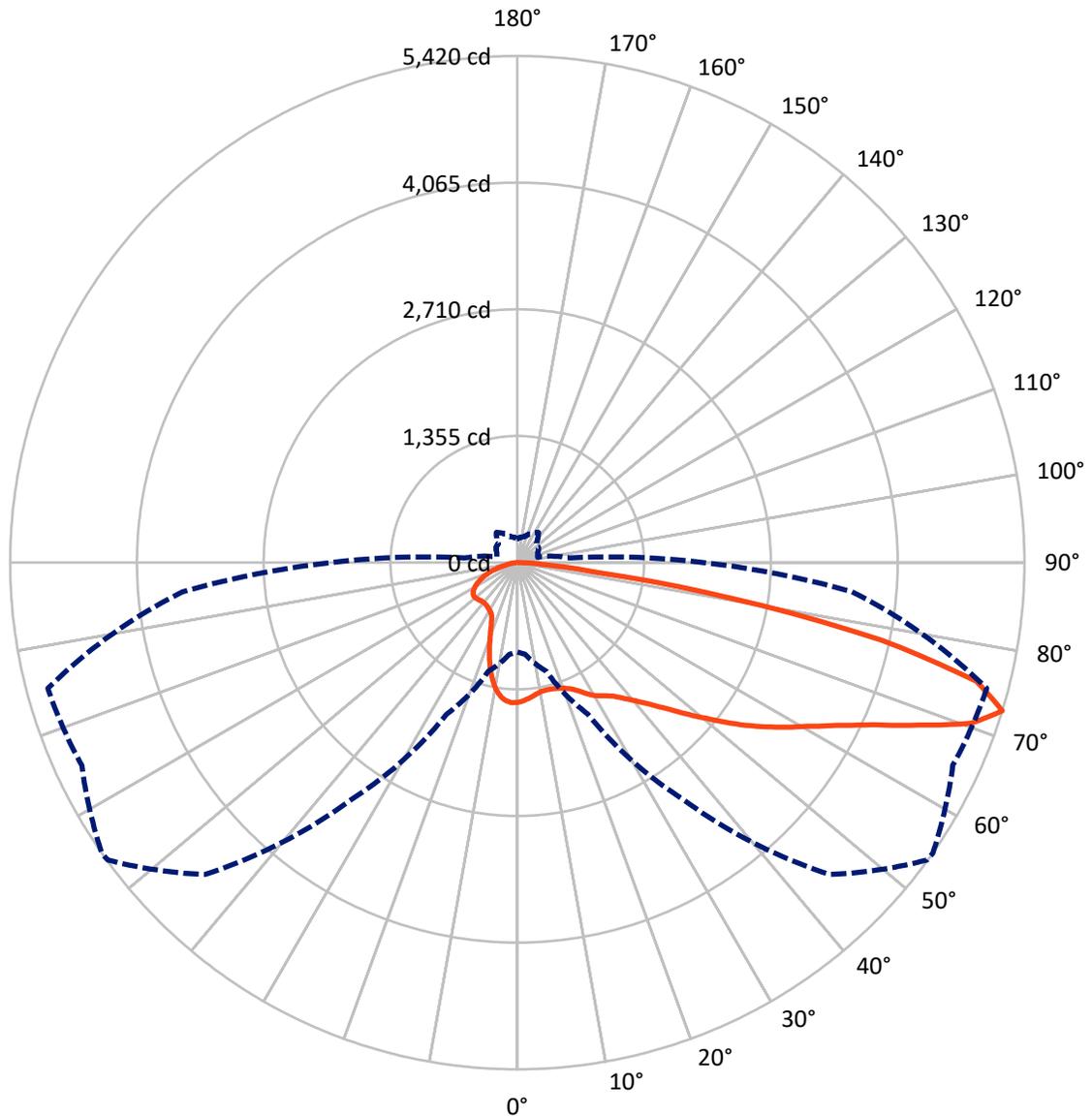


Based on 10 foot mounting height. Maximum calculated value = 15 fc  
 Type IV - Medium - N/A

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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	1574.8	0.0	1574.8
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	6898.2	0.0	6898.2
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	8473.0	0.0	8473.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.2	1.6
10°-20°	360.0	4.2
20°-30°	593.6	7.0
30°-40°	878.1	10.4
40°-50°	1225.6	14.5
50°-60°	1595.8	18.8
60°-70°	1961.2	23.1
70°-80°	1537.3	18.1
80°-90°	186.0	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°	8473.0	100.0
0°-180°	8473.0	100.0



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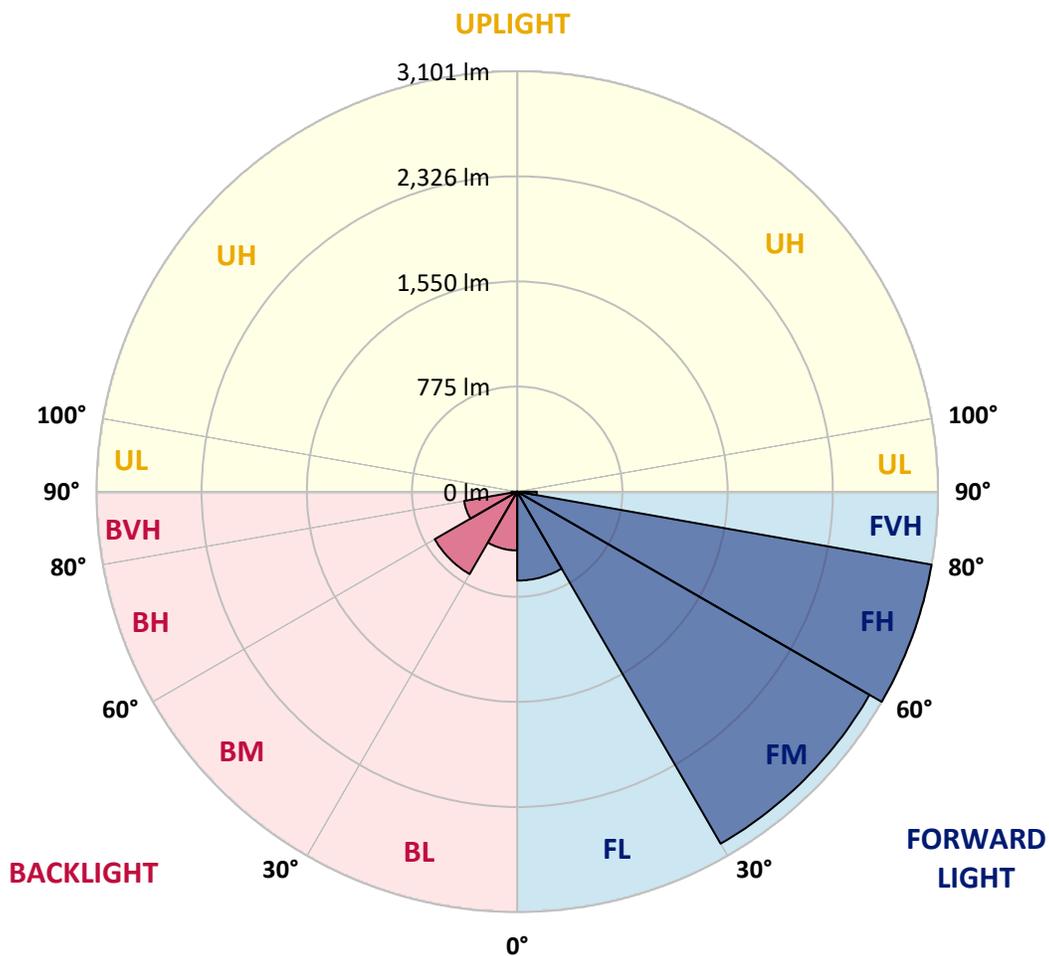
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	655.6	7.7			
FM	(30°-60°)	2997.9	35.4			
FH	(60°-80°)	3100.8	36.6			G2/5000
FVH	(80°-90°)	143.8	1.7			G2/225
BL	(0°-30°)	433.3	5.1	B1/500		
BM	(30°-60°)	701.6	8.3	B1/1000		
BH	(60°-80°)	397.7	4.7	B1/500		G1/500
BVH	(80°-90°)	42.2	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°	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5
2.5°	1445.8	1442.4	1446.7	1452.7	1459.3	1468.1	1473.3	1475.6	1484.4	1487.9	1495.3
5°	1378.8	1377.1	1384.3	1394.6	1409.2	1429.8	1446.4	1449.5	1473.0	1489.6	1504.8
7.5°	1330.2	1330.2	1338.5	1350.8	1367.1	1394.9	1418.3	1422.6	1462.4	1498.2	1526.2
10°	1291.6	1293.0	1302.7	1317.3	1336.5	1366.0	1397.2	1402.0	1459.5	1518.2	1562.9
12.5°	1265.8	1269.2	1278.1	1291.3	1315.0	1350.8	1390.3	1396.9	1465.6	1546.8	1606.9
15°	1282.1	1287.8	1288.7	1294.1	1307.3	1346.2	1394.3	1401.2	1478.4	1576.0	1657.0
17.5°	1353.7	1355.7	1346.8	1335.3	1329.0	1353.9	1406.3	1413.5	1493.9	1604.9	1705.1
20°	1462.4	1461.3	1442.1	1411.2	1379.1	1383.1	1426.1	1433.5	1514.8	1630.4	1753.2
22.5°	1599.8	1595.8	1566.3	1509.3	1454.7	1431.8	1460.7	1467.0	1546.3	1666.7	1804.7
25°	1766.3	1757.5	1718.5	1642.1	1561.7	1502.8	1512.8	1518.8	1592.0	1707.4	1851.9
27.5°	1942.0	1933.2	1883.7	1791.2	1684.2	1592.3	1584.6	1589.8	1644.1	1737.4	1886.8
30°	2125.8	2116.3	2071.1	1967.5	1814.1	1685.1	1651.6	1653.6	1680.8	1753.7	1915.4
32.5°	2310.4	2301.5	2250.8	2130.6	1955.2	1784.6	1699.9	1697.4	1702.8	1770.6	1947.8
35°	2497.5	2501.0	2441.7	2308.6	2111.5	1895.4	1757.2	1751.7	1739.7	1805.3	1993.6
37.5°	2697.9	2695.6	2618.9	2479.8	2274.9	2015.6	1839.3	1838.4	1797.0	1870.8	2065.4
40°	2831.8	2833.2	2786.6	2654.9	2440.0	2148.7	1944.6	1942.6	1888.2	1968.9	2159.5
42.5°	2884.2	2893.6	2905.6	2822.1	2612.9	2302.9	2070.3	2067.4	2015.6	2109.8	2270.3
45°	2887.9	2906.8	2981.2	2970.6	2788.0	2479.5	2230.8	2222.8	2185.6	2296.9	2402.5
47.5°	2855.8	2875.3	2998.9	3059.0	2944.6	2665.8	2418.5	2412.2	2380.2	2531.0	2545.6
50°	2785.7	2804.3	2962.3	3102.2	3073.3	2845.0	2634.9	2618.3	2601.1	2801.5	2709.3
52.5°	2654.4	2690.1	2913.4	3112.5	3150.3	3004.1	2862.4	2851.5	2861.0	3086.8	2873.3
55°	2343.3	2383.3	2787.1	3104.0	3207.3	3137.7	3089.9	3089.4	3138.3	3386.1	3049.3
57.5°	2169.0	2197.3	2530.2	3089.4	3274.8	3270.5	3315.2	3320.6	3415.9	3712.1	3233.6
60°	2070.5	2100.3	2399.9	3035.3	3379.6	3442.2	3545.0	3555.8	3698.1	4073.0	3455.4
62.5°	1981.0	2013.6	2319.2	2925.1	3502.9	3687.8	3820.3	3830.0	3996.9	4443.9	3669.7
65°	1827.9	1864.8	2201.0	2852.7	3615.1	4008.0	4170.3	4176.9	4340.0	4832.5	3833.7
67.5°	1611.5	1645.3	1978.1	2692.7	3698.1	4396.9	4635.6	4639.3	4680.3	5107.0	3917.6
70°	1358.8	1371.7	1660.4	2362.5	3599.9	4760.7	5145.6	5146.5	4990.5	5282.7	3903.8
72.5°	954.7	985.0	1205.4	1788.4	3093.7	4716.3	5410.3	5420.0	5134.7	5194.0	3591.9
75°	585.5	617.6	756.1	1083.8	1962.7	3709.2	4998.8	5066.3	4864.3	4631.0	2934.2
77.5°	391.5	403.5	493.4	631.9	889.2	2134.1	3843.2	3970.2	4040.9	3377.3	1876.5
80°	218.4	241.3	327.1	392.6	395.5	848.0	2304.4	2334.1	2248.3	1344.8	579.0
82.5°	115.6	128.2	218.4	230.7	215.8	283.9	858.8	859.7	718.3	360.6	172.0
85°	89.6	100.2	149.7	140.8	110.2	125.9	283.3	298.8	244.4	147.7	56.1
87.5°	44.6	55.5	101.6	89.3	43.2	36.1	101.3	108.2	96.4	57.8	20.3
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°	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5	1494.5
2.5°	1498.2	1500.8	1503.9	1500.5	1499.3	1494.7	1487.0	1485.3	1481.3	1481.6	1483.9
5°	1511.3	1515.6	1513.9	1500.8	1485.0	1463.0	1440.1	1420.6	1407.7	1406.9	1406.0
7.5°	1536.5	1539.4	1525.9	1488.4	1444.4	1393.4	1345.4	1303.3	1277.8	1271.5	1270.1
10°	1576.0	1575.4	1538.5	1463.0	1375.1	1284.1	1206.8	1148.5	1114.4	1104.4	1101.8
12.5°	1620.1	1613.5	1542.8	1416.6	1277.2	1151.0	1053.2	988.2	952.7	941.3	938.4
15°	1665.6	1649.3	1532.2	1347.4	1157.0	1007.7	904.9	844.8	825.6	819.3	818.2
17.5°	1707.9	1676.5	1501.9	1253.5	1020.0	864.8	784.7	760.7	765.3	773.6	773.8
20°	1749.4	1694.8	1453.2	1135.0	875.4	747.2	720.0	737.8	759.5	776.4	778.7
22.5°	1790.4	1707.7	1390.6	998.2	746.1	681.1	700.3	732.6	757.5	775.8	779.0
25°	1824.7	1710.8	1304.1	852.3	656.2	656.2	690.8	721.5	746.1	764.1	767.3
27.5°	1837.3	1689.6	1182.2	717.2	611.0	644.8	677.7	703.2	724.0	743.2	746.7
30°	1842.2	1650.4	1041.4	608.7	592.4	632.5	659.9	681.7	701.4	719.5	722.6
32.5°	1843.0	1603.2	892.0	547.2	579.5	619.6	637.9	657.1	678.3	685.4	686.6
35°	1848.5	1547.4	734.6	515.7	567.5	607.6	622.2	635.9	601.6	604.1	606.4
37.5°	1864.2	1492.2	603.0	498.0	559.8	601.3	618.7	568.9	542.0	535.7	534.9
40°	1893.7	1433.2	505.4	483.7	556.9	604.4	596.7	531.2	484.8	450.2	445.0
42.5°	1934.6	1369.7	443.0	474.2	558.9	619.6	566.1	494.8	417.8	395.5	392.6
45°	1980.7	1303.0	409.2	467.6	565.8	631.3	559.8	446.4	386.6	369.8	368.3
47.5°	2025.3	1221.4	391.8	464.8	575.2	621.9	533.2	431.6	371.8	362.9	363.7
50°	2076.6	1147.9	381.2	461.6	583.5	615.9	503.1	423.8	366.0	376.9	388.4
52.5°	2119.8	1071.8	371.8	455.3	586.7	605.3	495.4	425.3	366.0	386.9	397.8
55°	2171.0	1014.2	360.9	442.2	580.7	575.2	489.9	433.9	370.3	357.2	358.3
57.5°	2237.1	995.3	348.9	421.5	560.6	531.4	487.4	442.2	367.7	359.4	362.3
60°	2328.7	1015.4	344.0	394.6	529.4	497.1	487.7	437.9	349.7	335.4	335.7
62.5°	2416.0	1037.7	343.7	377.8	491.1	466.5	481.1	423.8	340.6	332.3	335.4
65°	2444.6	1015.1	330.0	358.9	447.9	429.8	469.1	409.0	333.7	321.1	320.5
67.5°	2406.2	945.0	302.2	328.3	398.4	387.2	453.3	391.2	322.8	312.5	310.8
70°	2292.3	788.4	267.9	287.9	342.0	339.1	428.4	370.6	308.2	299.3	291.9
72.5°	1985.8	561.8	225.8	239.5	278.5	287.6	394.1	343.7	287.6	268.4	257.0
75°	1631.0	415.8	185.4	188.3	211.5	236.4	346.9	312.2	263.3	230.7	221.8
77.5°	998.8	254.4	147.7	148.8	151.7	188.6	285.6	277.0	232.4	192.3	186.0
80°	323.4	138.8	106.7	112.2	103.6	138.2	220.9	235.8	199.5	160.8	154.0
82.5°	123.1	81.0	72.1	75.8	71.8	92.7	161.1	188.9	163.4	132.2	107.6
85°	59.5	45.8	42.6	47.8	44.4	47.5	103.0	139.1	123.9	86.1	80.1
87.5°	21.2	20.3	16.3	22.0	18.9	16.9	31.5	70.1	81.8	59.2	52.9
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)