

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: P1208626

Luminaire Tested: UPW-SA1-070-750-U-T3R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208626  
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-SA1-070-750-U-T3R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8472 lumens  
Efficiency: N/A  
Efficacy: 126.4 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

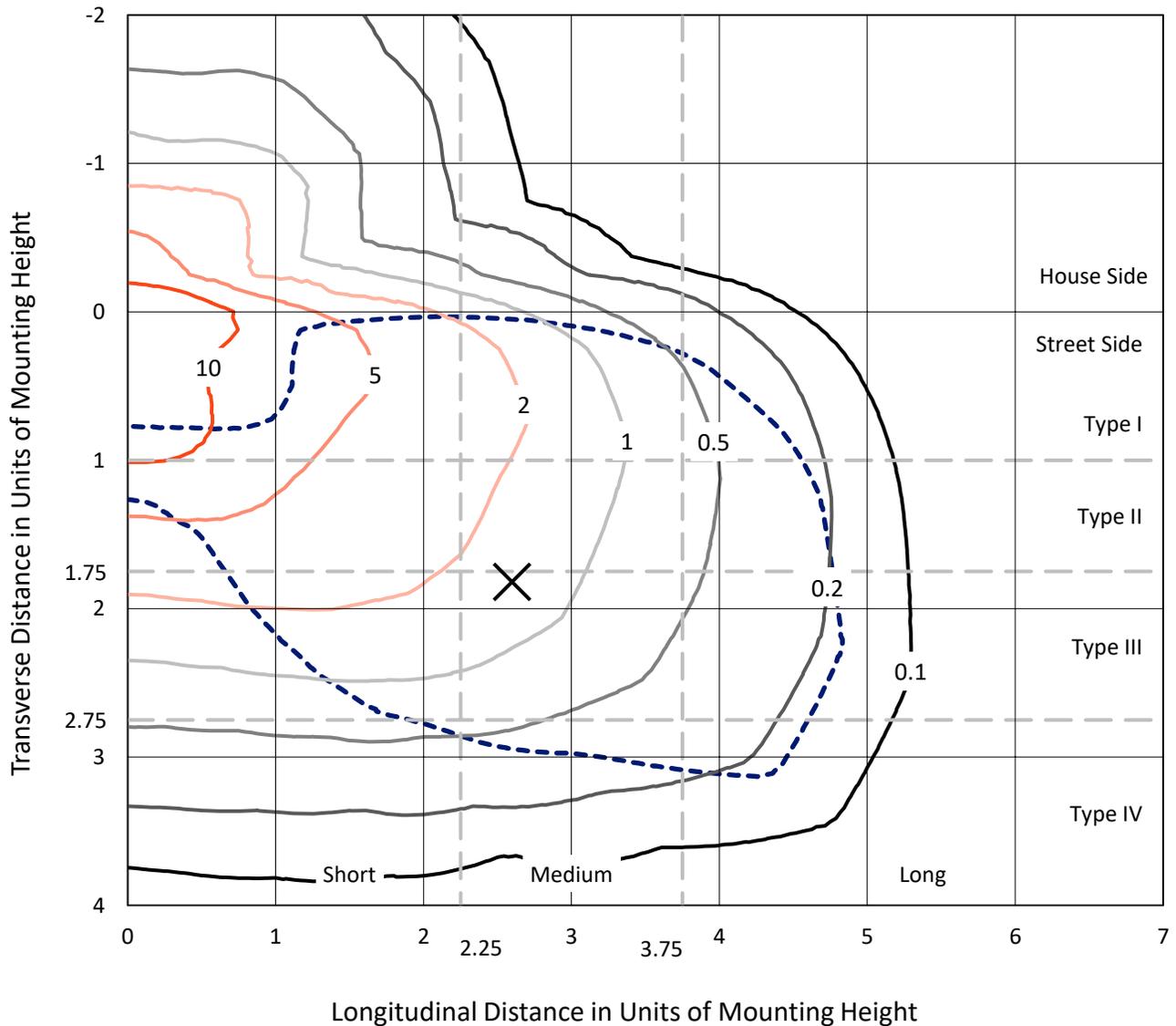


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### Iso-Footcandle Lines of Horizontal Illumination

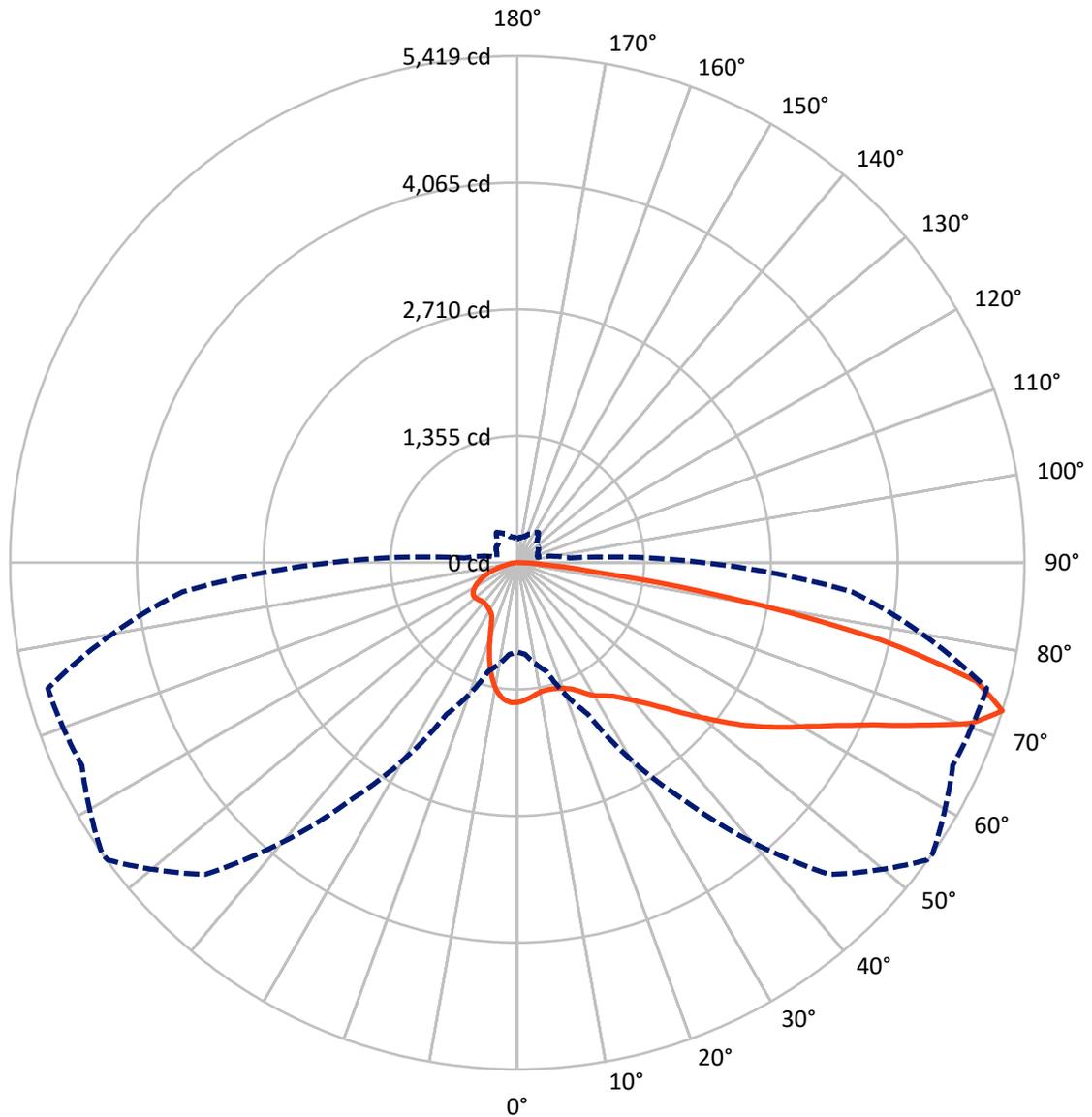
× Max cd  
 - - - 1/2 Max cd



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	1574.7	0.0	1574.7
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	6897.3	0.0	6897.3
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	8472.0	0.0	8472.0
	% 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°	593.5	7.0
30°-40°	878.0	10.4
40°-50°	1225.5	14.5
50°-60°	1595.6	18.8
60°-70°	1961.0	23.1
70°-80°	1537.2	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°	8472.0	100.0
0°-180°	8472.0	100.0



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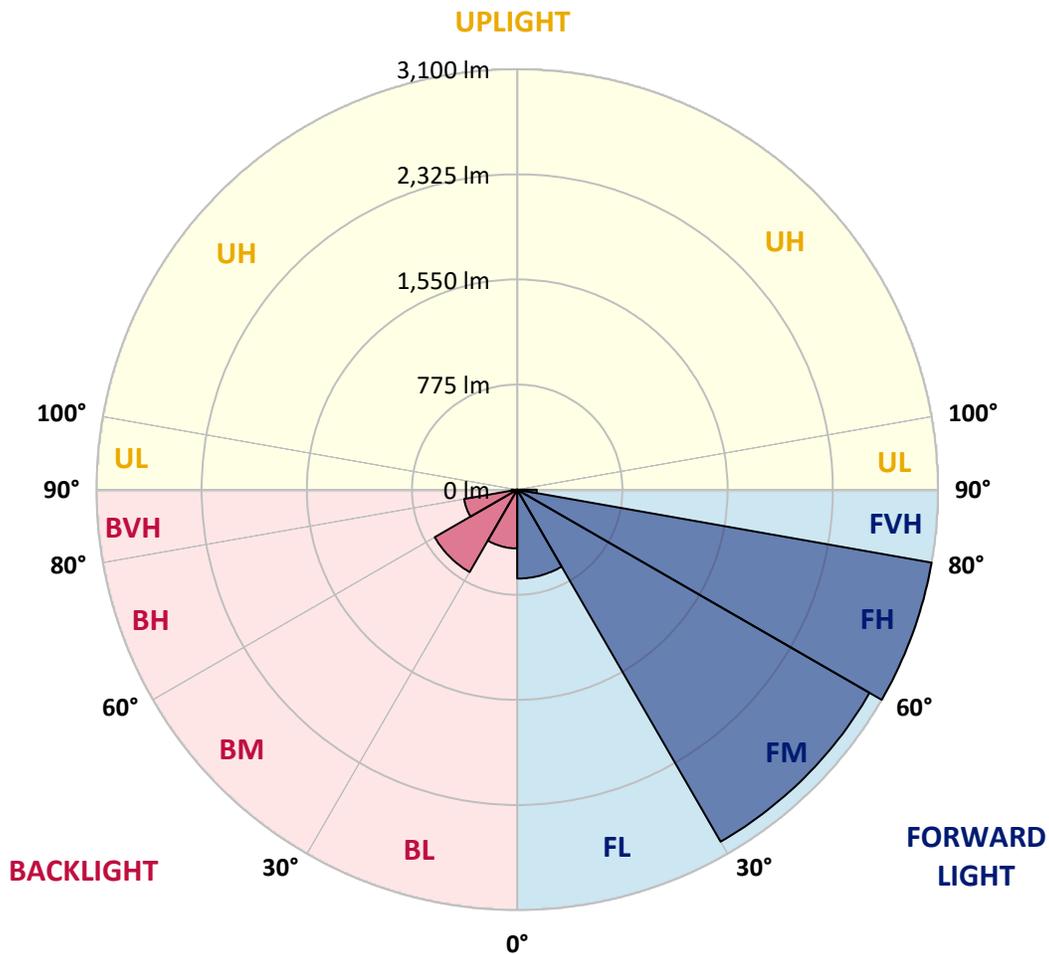
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	655.5	7.7			
FM	(30°-60°)	2997.6	35.4			
FH	(60°-80°)	3100.5	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°)	701.5	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°	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3
2.5°	1445.6	1442.2	1446.5	1452.5	1459.1	1468.0	1473.1	1475.4	1484.3	1487.7	1495.1
5°	1378.7	1377.0	1384.1	1394.4	1409.0	1429.6	1446.2	1449.4	1472.8	1489.4	1504.6
7.5°	1330.0	1330.0	1338.3	1350.6	1366.9	1394.7	1418.2	1422.5	1462.2	1498.0	1526.0
10°	1291.4	1292.8	1302.6	1317.2	1336.3	1365.8	1397.0	1401.9	1459.4	1518.0	1562.7
12.5°	1265.6	1269.1	1277.9	1291.1	1314.9	1350.6	1390.1	1396.7	1465.4	1546.6	1606.7
15°	1282.0	1287.7	1288.5	1294.0	1307.1	1346.1	1394.1	1401.0	1478.3	1575.8	1656.8
17.5°	1353.5	1355.5	1346.6	1335.2	1328.9	1353.8	1406.1	1413.3	1493.7	1604.7	1704.9
20°	1462.2	1461.1	1441.9	1411.0	1379.0	1383.0	1425.9	1433.3	1514.6	1630.2	1753.0
22.5°	1599.6	1595.6	1566.1	1509.2	1454.5	1431.6	1460.5	1466.8	1546.1	1666.5	1804.5
25°	1766.1	1757.3	1718.3	1641.9	1561.5	1502.6	1512.6	1518.6	1591.9	1707.2	1851.7
27.5°	1941.8	1932.9	1883.4	1791.0	1684.0	1592.1	1584.4	1589.6	1643.9	1737.2	1886.6
30°	2125.5	2116.1	2070.9	1967.3	1813.9	1684.9	1651.4	1653.4	1680.6	1753.5	1915.2
32.5°	2310.1	2301.2	2250.6	2130.4	1955.0	1784.4	1699.7	1697.2	1702.6	1770.4	1947.5
35°	2497.2	2500.7	2441.4	2308.4	2111.2	1895.2	1757.0	1751.5	1739.5	1805.0	1993.3
37.5°	2697.5	2695.3	2618.6	2479.5	2274.6	2015.4	1839.1	1838.2	1796.7	1870.6	2065.1
40°	2831.5	2832.9	2786.2	2654.6	2439.7	2148.4	1944.4	1942.4	1888.0	1968.7	2159.3
42.5°	2883.8	2893.3	2905.3	2821.7	2612.6	2302.7	2070.0	2067.2	2015.4	2109.5	2270.0
45°	2887.5	2906.4	2980.8	2970.2	2787.7	2479.2	2230.5	2222.5	2185.3	2296.6	2402.2
47.5°	2855.5	2875.0	2998.6	3058.7	2944.2	2665.5	2418.3	2412.0	2379.9	2530.7	2545.3
50°	2785.4	2804.0	2961.9	3101.9	3073.0	2844.6	2634.6	2618.0	2600.8	2801.1	2709.0
52.5°	2654.0	2689.8	2913.0	3112.2	3149.9	3003.7	2862.1	2851.2	2860.6	3086.4	2873.0
55°	2343.0	2383.1	2786.8	3103.6	3206.9	3137.4	3089.6	3089.0	3137.9	3385.7	3048.9
57.5°	2168.7	2197.1	2529.9	3089.0	3274.4	3270.1	3314.8	3320.2	3415.5	3711.7	3233.2
60°	2070.3	2100.1	2399.7	3034.9	3379.2	3441.8	3544.5	3555.4	3697.6	4072.5	3455.0
62.5°	1980.7	2013.4	2319.0	2924.7	3502.5	3687.3	3819.8	3829.6	3996.4	4443.3	3669.3
65°	1827.6	1864.6	2200.8	2852.3	3614.7	4007.5	4169.8	4176.4	4339.5	4831.9	3833.3
67.5°	1611.3	1645.1	1977.9	2692.4	3697.6	4396.4	4635.1	4638.8	4679.7	5106.4	3917.1
70°	1358.6	1371.5	1660.2	2362.2	3599.5	4760.1	5145.0	5145.8	4989.9	5282.1	3903.4
72.5°	954.6	984.9	1205.3	1788.2	3093.3	4715.8	5409.7	5419.4	5134.1	5193.3	3591.5
75°	585.5	617.5	756.0	1083.7	1962.4	3708.8	4998.2	5065.7	4863.7	4630.5	2933.9
77.5°	391.5	403.5	493.3	631.8	889.1	2133.8	3842.7	3969.8	4040.4	3376.9	1876.3
80°	218.3	241.2	327.1	392.6	395.5	847.9	2304.1	2333.8	2248.0	1344.6	578.9
82.5°	115.6	128.2	218.3	230.6	215.8	283.9	858.7	859.6	718.2	360.5	172.0
85°	89.6	100.2	149.7	140.8	110.2	125.9	283.3	298.7	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°	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3	1494.3
2.5°	1498.0	1500.6	1503.7	1500.3	1499.1	1494.6	1486.8	1485.1	1481.1	1481.4	1483.7
5°	1511.2	1515.5	1513.7	1500.6	1484.8	1462.8	1439.9	1420.5	1407.6	1406.7	1405.9
7.5°	1536.3	1539.2	1525.8	1488.3	1444.2	1393.3	1345.2	1303.1	1277.7	1271.4	1269.9
10°	1575.8	1575.3	1538.3	1462.8	1375.0	1284.0	1206.7	1148.3	1114.3	1104.3	1101.7
12.5°	1619.9	1613.3	1542.6	1416.4	1277.1	1150.9	1053.0	988.1	952.6	941.1	938.3
15°	1665.4	1649.1	1532.1	1347.2	1156.9	1007.5	904.8	844.7	825.5	819.2	818.1
17.5°	1707.7	1676.3	1501.7	1253.3	1019.8	864.7	784.6	760.6	765.2	773.5	773.8
20°	1749.2	1694.6	1453.1	1134.9	875.3	747.1	720.0	737.7	759.4	776.3	778.6
22.5°	1790.2	1707.5	1390.4	998.1	746.0	681.0	700.2	732.5	757.4	775.8	778.9
25°	1824.5	1710.6	1304.0	852.2	656.1	656.1	690.8	721.4	746.0	764.0	767.2
27.5°	1837.1	1689.4	1182.1	717.1	610.9	644.7	677.6	703.1	724.0	743.1	746.6
30°	1842.0	1650.2	1041.3	608.6	592.3	632.4	659.9	681.6	701.4	719.4	722.5
32.5°	1842.8	1603.0	891.9	547.1	579.5	619.5	637.8	657.0	678.2	685.3	686.5
35°	1848.2	1547.2	734.5	515.6	567.4	607.5	622.1	635.8	601.5	604.1	606.4
37.5°	1864.0	1492.0	602.9	497.9	559.7	601.2	618.7	568.9	542.0	535.7	534.8
40°	1893.5	1433.0	505.3	483.6	556.8	604.4	596.6	531.1	484.7	450.1	445.0
42.5°	1934.4	1369.5	443.0	474.2	558.9	619.5	566.0	494.8	417.8	395.5	392.6
45°	1980.4	1302.8	409.2	467.6	565.7	631.2	559.7	446.4	386.6	369.7	368.3
47.5°	2025.1	1221.3	391.7	464.7	575.2	621.8	533.1	431.5	371.7	362.8	363.7
50°	2076.3	1147.8	381.2	461.6	583.5	615.8	503.1	423.8	366.0	376.9	388.3
52.5°	2119.5	1071.6	371.7	455.3	586.6	605.2	495.3	425.2	366.0	386.9	397.7
55°	2170.7	1014.1	360.8	442.1	580.6	575.2	489.9	433.8	370.3	357.1	358.3
57.5°	2236.8	995.2	348.8	421.5	560.6	531.4	487.3	442.1	367.7	359.4	362.3
60°	2328.4	1015.3	344.0	394.6	529.4	497.0	487.6	437.8	349.7	335.4	335.7
62.5°	2415.7	1037.6	343.7	377.7	491.0	466.4	481.0	423.8	340.5	332.2	335.4
65°	2444.3	1015.0	329.9	358.8	447.8	429.8	469.0	408.9	333.7	321.1	320.5
67.5°	2406.0	944.9	302.2	328.2	398.3	387.2	453.3	391.2	322.8	312.5	310.8
70°	2292.1	788.3	267.8	287.9	341.9	339.1	428.4	370.6	308.2	299.3	291.9
72.5°	1985.6	561.7	225.8	239.5	278.4	287.6	394.0	343.7	287.6	268.4	257.0
75°	1630.8	415.8	185.4	188.3	211.5	236.4	346.8	312.2	263.3	230.6	221.8
77.5°	998.7	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	199.4	160.8	153.9
82.5°	123.0	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)