

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: P1208123

Luminaire Tested: UPW-SA1-040-750-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208123  
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-SA1-040-750-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 800mA 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: 5853 lumens  
Efficiency: N/A  
Efficacy: 133.0 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): 44  
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

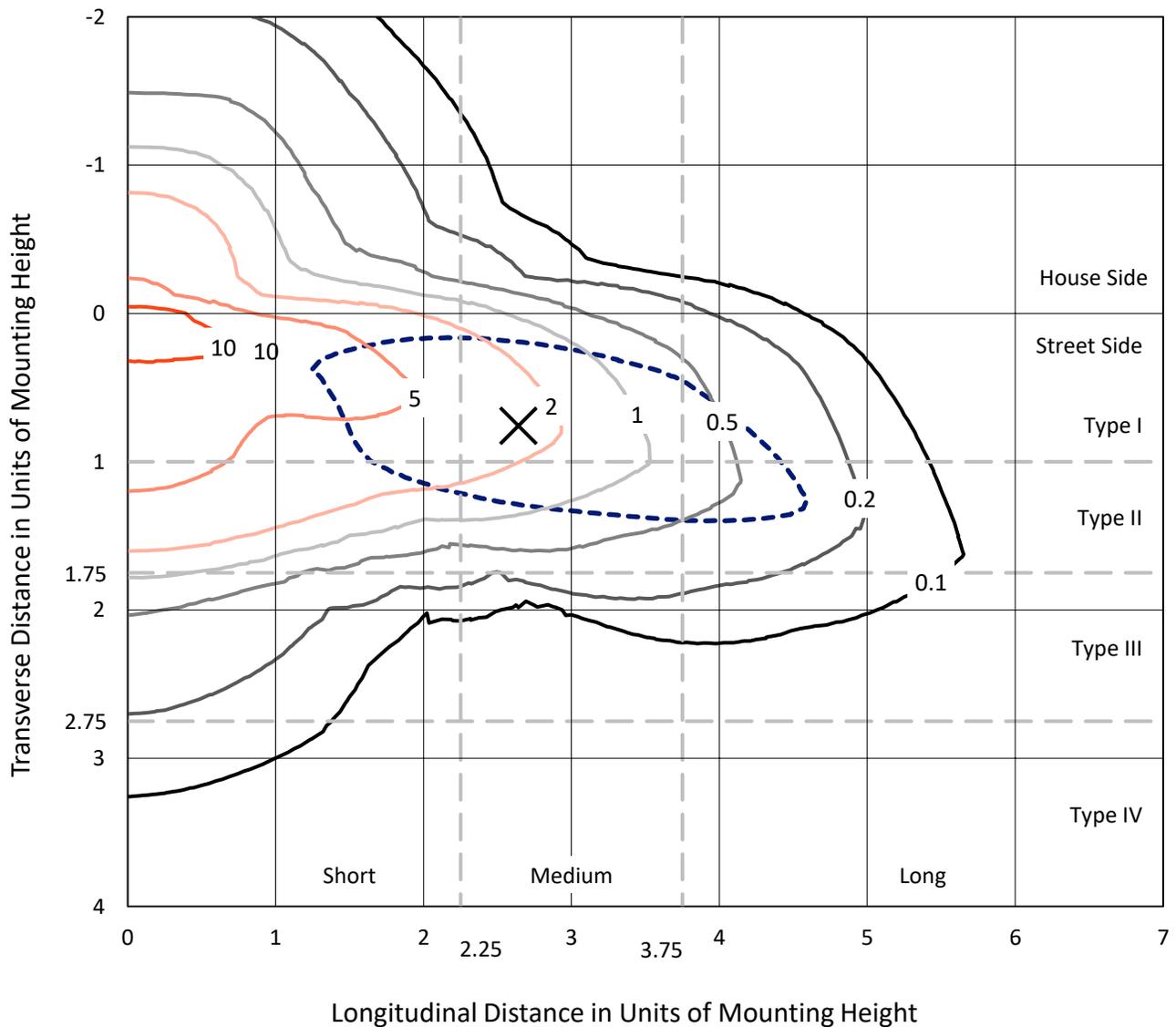


REPORT NUMBER: P1208123

CATALOG NUMBER: UPW-SA1-040-750-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

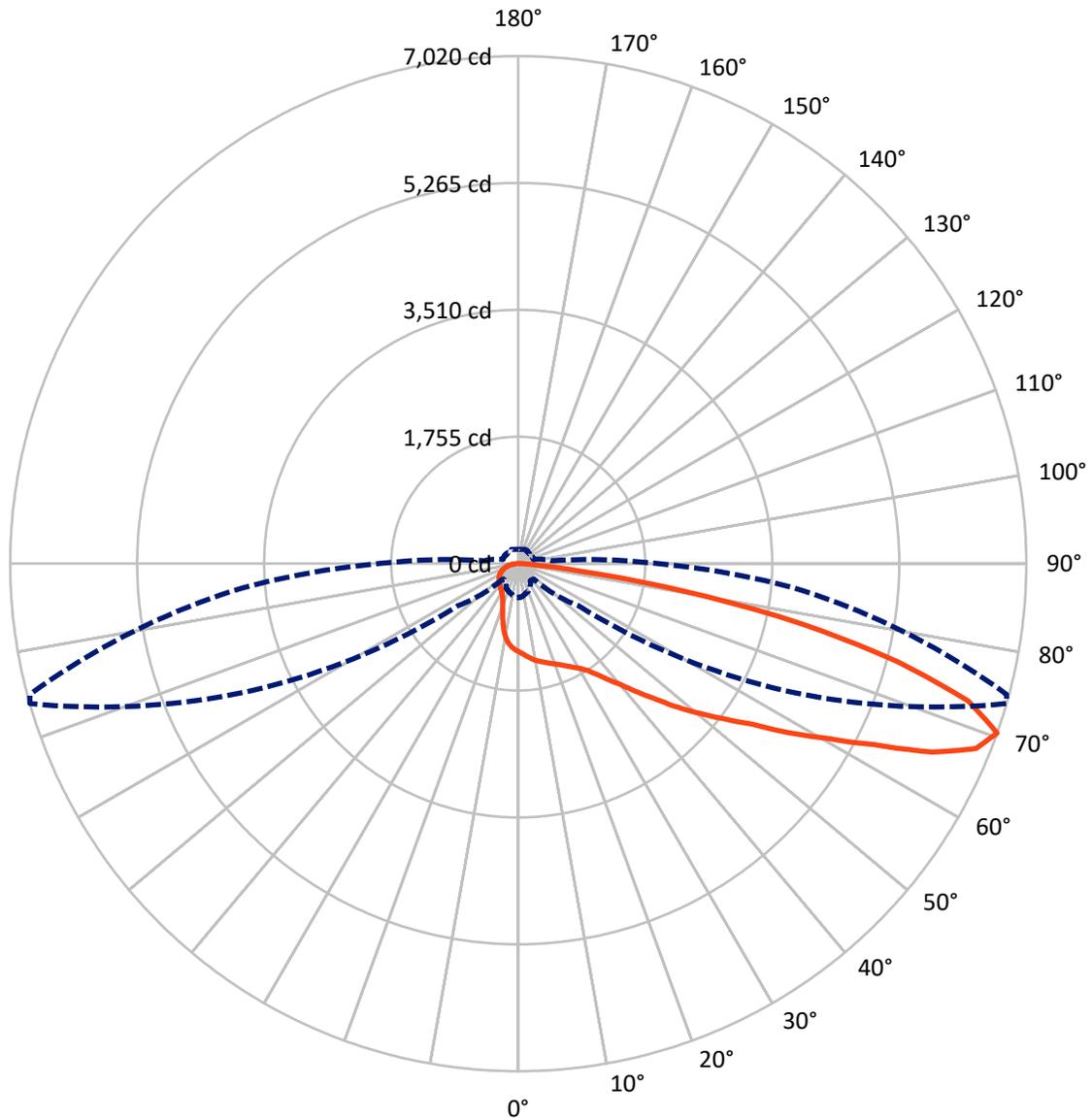


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P1208123

CATALOG NUMBER: UPW-SA1-040-750-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P1208123

CATALOG NUMBER: UPW-SA1-040-750-U-SL2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1071.3	0.0	1071.3
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	4781.7	0.0	4781.7
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	5853.0	0.0	5853.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.0	1.8
10°-20°	281.6	4.8
20°-30°	445.9	7.6
30°-40°	664.4	11.4
40°-50°	916.2	15.7
50°-60°	1228.7	21.0
60°-70°	1275.2	21.8
70°-80°	806.9	13.8
80°-90°	127.0	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°	5853.0	100.0
0°-180°	5853.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P1208123

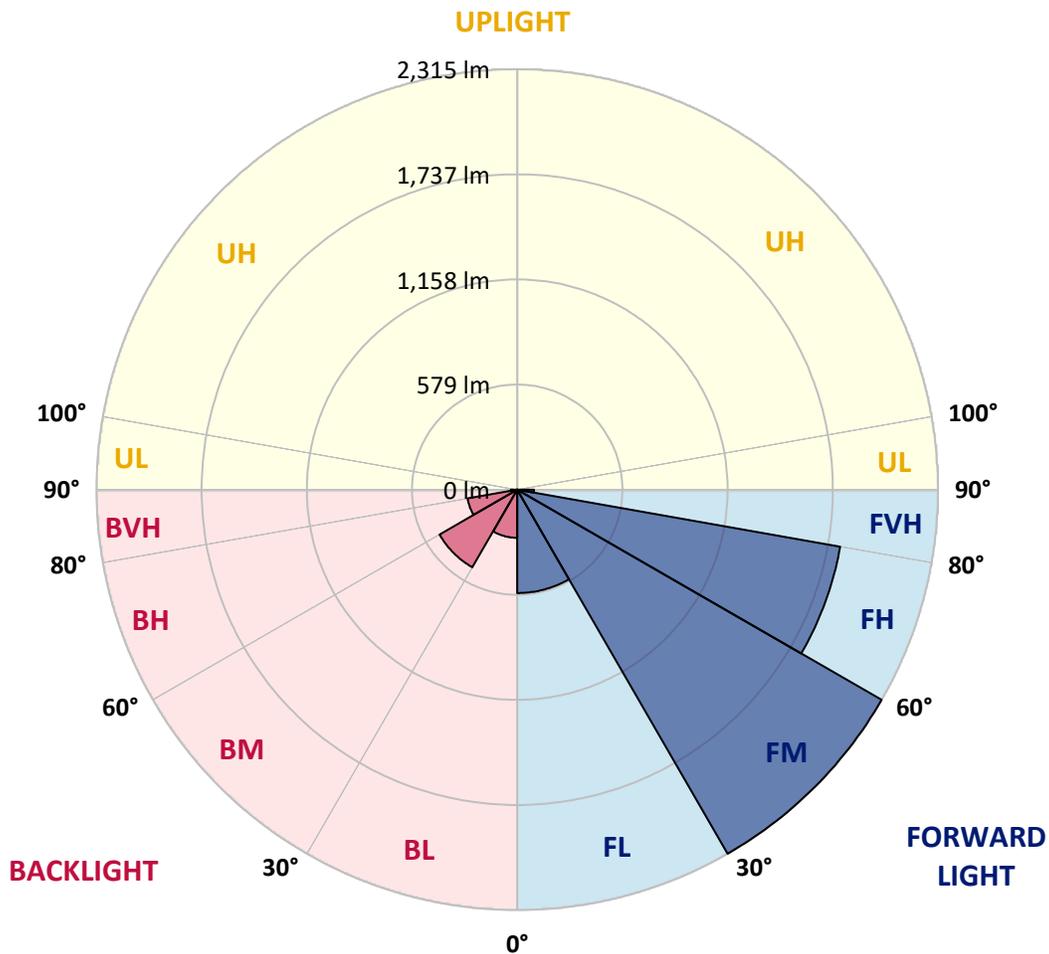
CATALOG NUMBER: UPW-SA1-040-750-U-SL2

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	569.4	9.7			
FM	(30°-60°)	2315.4	39.6			
FH	(60°-80°)	1804.6	30.8			G2/5000
FVH	(80°-90°)	92.3	1.6			G1/100
BL	(0°-30°)	265.2	4.5	B1/500		
BM	(30°-60°)	494.0	8.4	B1/1000		
BH	(60°-80°)	277.5	4.7	B1/500		G1/500
BVH	(80°-90°)	34.7	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





REPORT NUMBER: P1208123

CATALOG NUMBER: UPW-SA1-040-750-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1303.3	1301.3	1296.7	1296.7	1294.8	1290.2	1277.1	1263.3	1250.2	1248.9	1231.9
5°	1357.0	1353.7	1353.1	1353.1	1350.4	1345.9	1328.2	1309.2	1290.2	1286.3	1255.5
7.5°	1382.5	1379.9	1380.6	1383.8	1389.1	1385.2	1369.4	1353.1	1327.5	1324.2	1278.4
10°	1368.8	1370.7	1378.6	1396.9	1410.0	1417.2	1404.1	1389.1	1362.9	1359.0	1296.7
12.5°	1281.7	1287.6	1312.5	1359.6	1409.4	1436.9	1436.2	1420.5	1389.1	1385.8	1311.2
15°	1150.0	1142.8	1188.7	1264.0	1354.4	1432.3	1457.9	1450.6	1419.2	1414.6	1328.2
17.5°	1085.2	1085.9	1106.2	1152.7	1252.2	1395.0	1469.6	1480.8	1451.3	1445.4	1347.2
20°	1111.4	1110.7	1112.7	1128.4	1176.2	1319.0	1470.3	1513.5	1482.7	1478.8	1364.2
22.5°	1186.1	1183.4	1177.5	1164.4	1165.8	1251.6	1461.1	1549.5	1522.7	1514.8	1376.0
25°	1290.2	1283.6	1264.7	1235.2	1203.7	1231.2	1437.5	1591.5	1568.5	1560.0	1388.4
27.5°	1408.7	1407.4	1387.1	1330.8	1271.2	1256.8	1410.7	1637.3	1622.9	1611.1	1402.2
30°	1531.2	1524.0	1505.0	1444.8	1369.4	1312.5	1402.8	1687.7	1680.5	1665.5	1413.3
32.5°	1598.0	1594.7	1582.3	1545.6	1480.1	1393.0	1425.8	1739.5	1763.0	1751.9	1437.5
35°	1651.1	1645.2	1632.1	1617.0	1583.6	1499.1	1478.8	1801.7	1886.2	1866.5	1489.3
37.5°	1701.5	1694.9	1685.8	1671.4	1649.7	1600.6	1556.1	1886.8	2042.0	2028.3	1567.9
40°	1757.8	1750.6	1738.8	1729.0	1698.9	1683.8	1628.8	1968.0	2209.0	2202.5	1662.2
42.5°	1800.4	1792.5	1786.6	1780.1	1747.3	1719.2	1685.8	2045.3	2434.3	2418.0	1787.3
45°	1831.8	1827.2	1827.2	1819.4	1797.8	1720.5	1725.7	2148.8	2676.7	2671.4	1960.2
47.5°	1865.9	1860.0	1863.2	1856.0	1849.5	1721.8	1774.8	2287.0	2968.1	2963.5	2153.4
50°	1906.5	1900.6	1913.7	1903.2	1905.8	1761.1	1844.9	2459.9	3256.3	3245.1	2359.0
52.5°	1911.7	1910.4	1943.1	1966.7	1985.7	1850.8	1963.5	2666.2	3571.3	3571.3	2598.7
55°	1805.6	1803.0	1866.5	1966.7	2073.5	2023.0	2183.5	2989.1	3919.7	3928.9	2812.2
57.5°	1466.4	1478.8	1586.2	1783.3	2068.9	2268.6	2509.0	3382.0	4410.9	4380.8	3021.8
60°	932.6	950.9	1036.7	1307.9	1759.8	2309.9	2859.4	3881.1	4909.3	4851.6	3298.8
62.5°	616.3	600.6	601.9	729.6	1132.4	1941.2	2928.1	4472.4	5510.5	5468.6	3545.1
65°	548.2	537.0	481.4	448.0	550.1	1212.3	2490.0	4898.8	6283.3	6166.1	3733.7
67.5°	520.0	508.9	457.1	405.4	346.5	619.6	1769.6	4820.2	6823.0	6749.0	3873.2
70°	470.9	464.3	422.4	382.5	289.5	299.3	1021.0	4231.4	7020.1	6984.7	3809.7
72.5°	409.3	401.5	373.3	345.8	254.1	220.7	489.9	3354.5	6502.0	6499.4	3540.5
75°	335.3	328.8	305.8	296.7	214.8	180.8	278.3	2355.7	5416.8	5388.0	3146.9
77.5°	274.4	265.2	249.5	242.3	178.1	145.4	195.8	1644.5	3997.6	3922.3	2202.5
80°	199.1	193.2	178.1	195.2	140.8	112.6	145.4	1023.0	2349.2	2195.9	825.2
82.5°	121.2	109.4	123.1	149.3	104.1	80.6	106.8	570.4	842.2	740.1	246.2
85°	56.3	57.6	72.0	95.6	62.2	47.2	66.8	249.5	244.3	233.8	103.5
87.5°	9.2	9.8	27.5	41.9	26.2	15.7	26.9	55.0	92.3	95.0	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



REPORT NUMBER: P1208123

CATALOG NUMBER: UPW-SA1-040-750-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8	1218.8
2.5°	1221.4	1210.9	1192.0	1171.0	1147.4	1125.8	1116.6	1086.5	1079.3	1077.3	1062.3
5°	1233.9	1210.9	1161.2	1102.2	1033.5	971.2	902.5	847.5	816.7	814.1	818.0
7.5°	1246.3	1210.3	1119.3	1000.1	878.2	757.7	684.4	641.2	611.0	603.8	605.8
10°	1252.9	1201.1	1055.1	871.7	703.4	615.6	573.7	558.6	554.1	550.1	550.1
12.5°	1254.2	1180.8	969.9	733.5	600.6	558.0	546.2	542.3	541.6	541.0	539.7
15°	1255.5	1155.3	861.2	626.8	554.1	540.3	535.7	535.1	536.4	535.7	535.7
17.5°	1254.2	1120.6	755.8	565.2	537.0	531.8	529.2	528.5	530.5	529.8	529.2
20°	1249.6	1076.0	653.0	533.8	525.2	523.9	520.7	518.0	520.7	521.3	520.7
22.5°	1231.9	1010.5	578.9	514.1	514.1	514.1	510.2	506.9	511.5	512.8	513.5
25°	1204.4	932.0	523.9	497.7	501.0	499.7	499.7	499.0	503.6	504.9	505.6
27.5°	1175.6	850.1	485.3	480.1	485.3	488.6	494.5	495.1	495.1	493.8	493.2
30°	1138.9	761.0	460.4	464.3	471.5	483.3	493.8	492.5	487.9	483.3	484.0
32.5°	1109.4	689.0	436.2	450.6	463.7	480.7	489.9	491.8	491.2	483.3	483.3
35°	1098.3	631.3	419.8	438.8	458.4	474.2	478.1	486.6	485.3	475.5	474.8
37.5°	1105.5	584.8	405.4	426.4	450.6	458.4	467.0	468.9	452.5	442.1	439.5
40°	1121.2	550.8	392.3	410.6	437.5	444.0	455.8	438.1	424.4	415.9	417.2
42.5°	1165.1	536.4	380.5	393.0	417.8	432.9	428.3	423.1	404.1	390.3	389.0
45°	1234.5	535.7	370.0	374.6	395.6	411.3	410.6	404.7	384.4	370.0	368.1
47.5°	1329.5	548.8	358.9	357.6	374.6	384.4	393.6	384.4	363.5	347.1	345.1
50°	1442.8	582.9	348.4	339.9	351.7	366.8	371.3	364.8	345.1	329.4	327.5
52.5°	1579.0	630.0	339.2	324.2	327.5	348.4	358.9	353.0	330.7	313.7	311.1
55°	1711.3	674.6	326.8	307.8	302.6	331.4	347.8	347.1	314.4	296.7	295.4
57.5°	1846.9	716.5	313.1	294.1	285.5	313.1	336.0	338.6	297.3	278.3	278.3
60°	1984.4	746.0	296.0	279.7	275.1	292.7	318.3	318.9	282.3	267.9	269.2
62.5°	2097.1	728.3	279.0	265.9	262.6	273.1	298.6	304.5	281.0	265.2	266.6
65°	2144.9	669.3	260.0	252.8	247.6	251.5	275.1	282.3	257.4	239.7	241.7
67.5°	2114.1	583.5	241.0	237.7	230.5	229.2	244.3	248.9	230.5	219.4	218.1
70°	1931.4	465.6	218.1	218.1	211.5	205.6	213.5	217.4	203.0	196.5	197.8
72.5°	1671.4	378.5	195.8	198.4	189.3	181.4	186.0	188.0	179.4	176.2	174.9
75°	1446.1	316.3	173.6	177.5	167.7	155.2	160.5	160.5	153.3	152.6	151.9
77.5°	1054.4	237.7	149.3	153.9	146.0	130.3	131.6	132.3	129.7	129.7	130.3
80°	451.2	145.4	121.8	129.0	121.2	102.2	106.1	106.1	112.6	129.0	126.4
82.5°	150.0	86.4	92.3	101.5	93.0	76.0	80.6	86.4	111.3	106.8	101.5
85°	64.2	47.8	58.9	64.2	59.6	45.8	52.4	90.4	82.5	79.9	80.6
87.5°	21.6	20.3	24.9	29.5	21.0	14.4	26.9	55.0	53.7	40.6	39.3
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)