

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: P1208059

Luminaire Tested: UPW-SA1-040-730-U-T3R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208059  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-730-U-T3R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5682 lumens  
Efficiency: N/A  
Efficacy: 129.1 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): 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

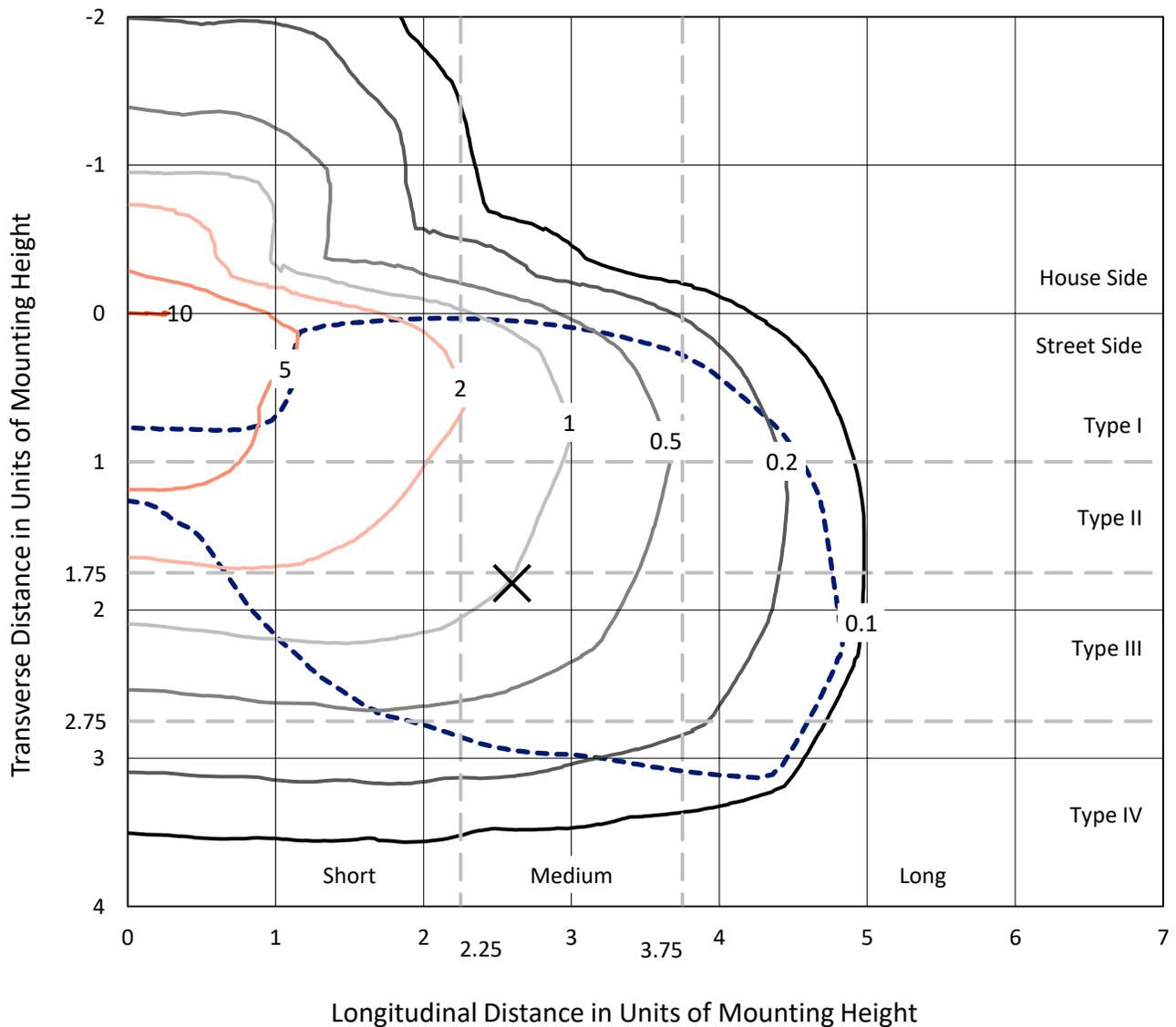


REPORT NUMBER: P1208059

CATALOG NUMBER: UPW-SA1-040-730-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

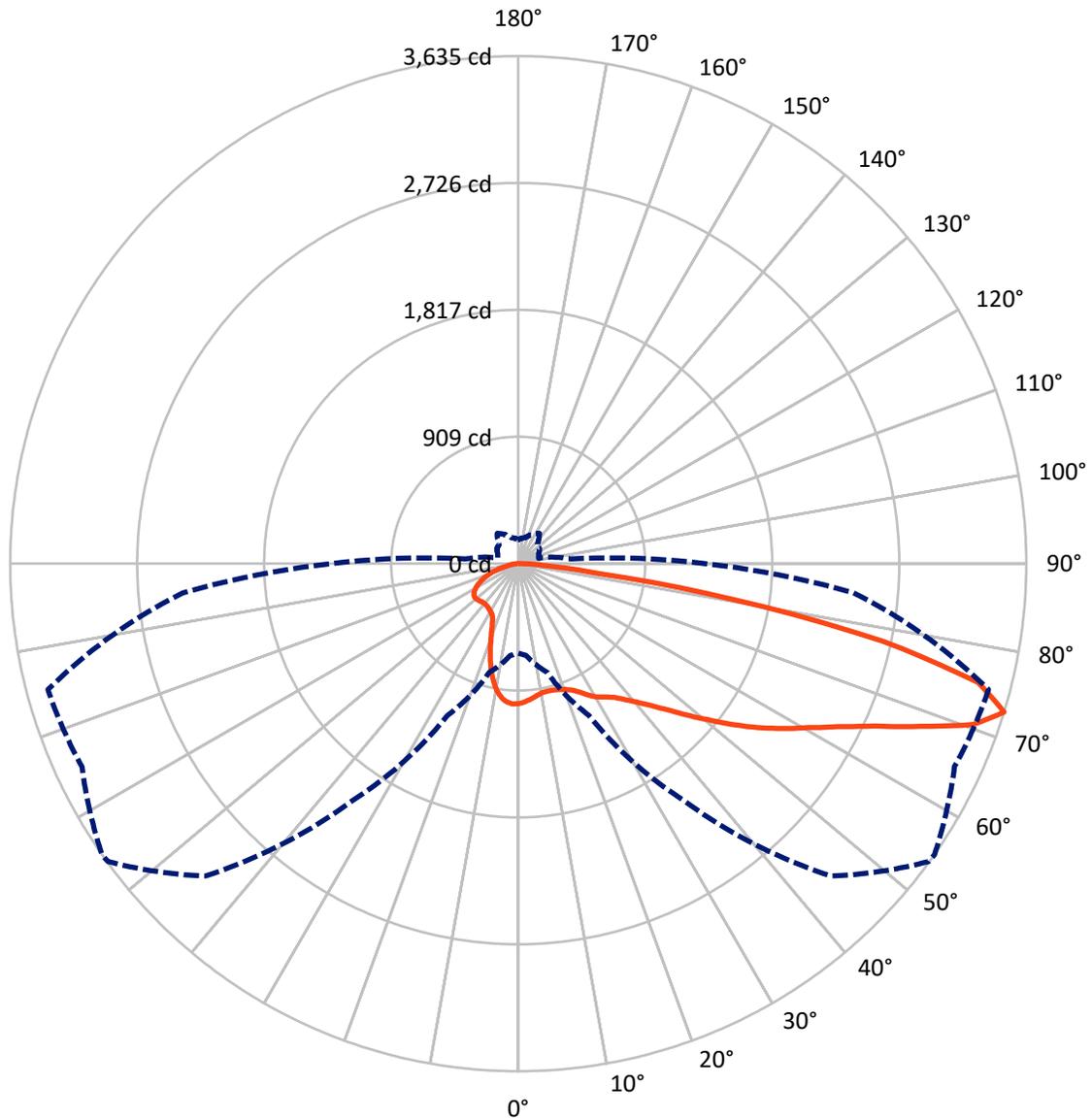


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P1208059

CATALOG NUMBER: UPW-SA1-040-730-U-T3R

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1208059

CATALOG NUMBER: UPW-SA1-040-730-U-T3R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1056.1	0.0	1056.1
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	4625.9	0.0	4625.9
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	5682.0	0.0	5682.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.7	1.6
10°-20°	241.4	4.2
20°-30°	398.1	7.0
30°-40°	588.8	10.4
40°-50°	821.9	14.5
50°-60°	1070.1	18.8
60°-70°	1315.2	23.1
70°-80°	1030.9	18.1
80°-90°	124.8	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°	5682.0	100.0
0°-180°	5682.0	100.0



REPORT NUMBER: P1208059

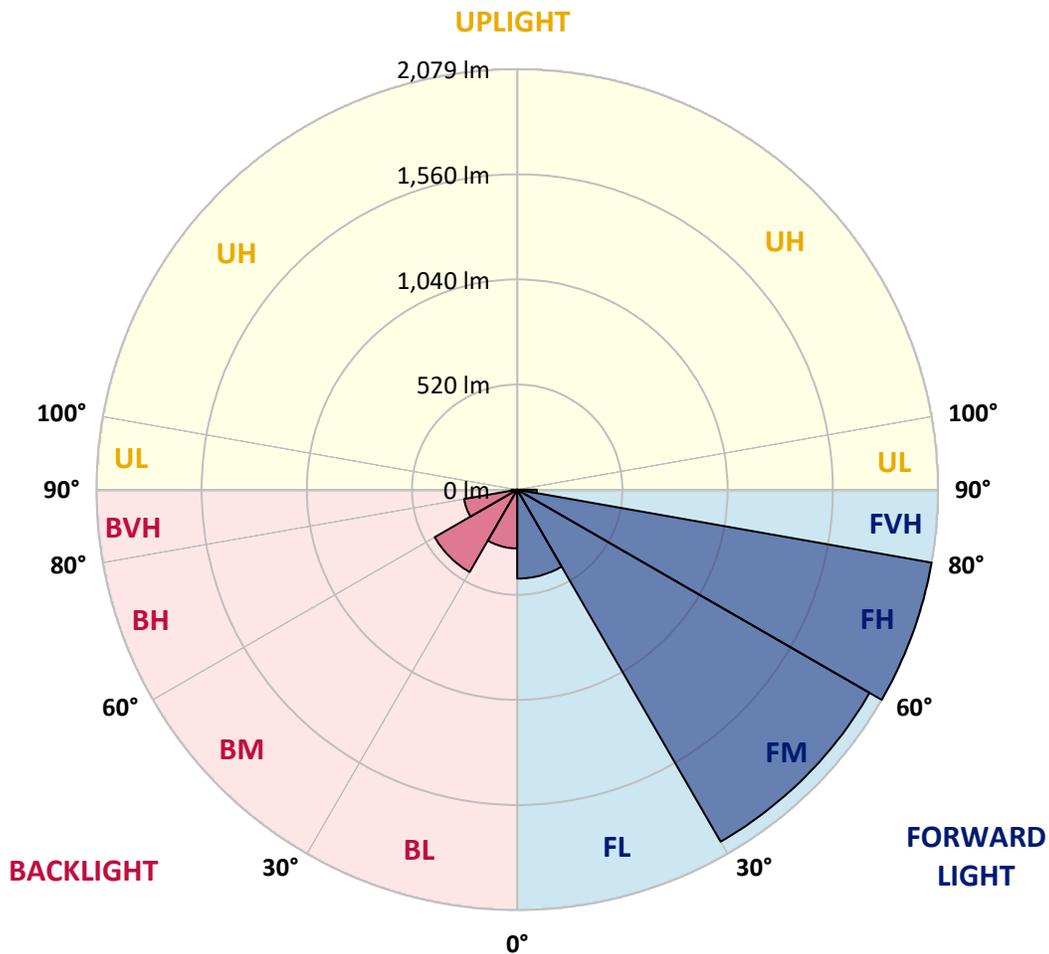
CATALOG NUMBER: UPW-SA1-040-730-U-T3R

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.6	7.7			
FM	(30°-60°)	2010.4	35.4			
FH	(60°-80°)	2079.4	36.6			G2/5000
FVH	(80°-90°)	96.5	1.7			G1/100
BL	(0°-30°)	290.6	5.1	B1/500		
BM	(30°-60°)	470.5	8.3	B1/1000		
BH	(60°-80°)	266.7	4.7	B1/500		G1/500
BVH	(80°-90°)	28.3	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





REPORT NUMBER: P1208059

CATALOG NUMBER: UPW-SA1-040-730-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2
2.5°	969.6	967.3	970.1	974.2	978.6	984.5	988.0	989.5	995.5	997.8	1002.8
5°	924.6	923.5	928.3	935.2	945.0	958.8	969.9	972.1	987.8	998.9	1009.1
7.5°	892.0	892.0	897.6	905.8	916.8	935.4	951.1	954.0	980.7	1004.7	1023.5
10°	866.1	867.1	873.6	883.4	896.2	916.0	936.9	940.2	978.8	1018.1	1048.1
12.5°	848.8	851.1	857.1	865.9	881.9	905.8	932.3	936.7	982.8	1037.3	1077.6
15°	859.8	863.6	864.2	867.8	876.7	902.8	935.0	939.6	991.4	1056.9	1111.2
17.5°	907.8	909.1	903.2	895.5	891.3	908.0	943.1	947.9	1001.8	1076.3	1143.4
20°	980.7	979.9	967.1	946.3	924.8	927.5	956.3	961.3	1015.8	1093.3	1175.7
22.5°	1072.8	1070.1	1050.4	1012.2	975.5	960.2	979.5	983.8	1036.9	1117.7	1210.2
25°	1184.5	1178.6	1152.5	1101.2	1047.3	1007.7	1014.5	1018.5	1067.6	1145.0	1241.9
27.5°	1302.3	1296.4	1263.2	1201.2	1129.4	1067.8	1062.6	1066.1	1102.6	1165.1	1265.3
30°	1425.5	1419.2	1388.9	1319.4	1216.6	1130.0	1107.5	1108.9	1127.1	1176.1	1284.5
32.5°	1549.3	1543.4	1509.4	1428.8	1311.2	1196.8	1140.0	1138.3	1141.9	1187.4	1306.2
35°	1674.8	1677.1	1637.4	1548.2	1416.0	1271.1	1178.4	1174.7	1166.7	1210.6	1336.9
37.5°	1809.2	1807.7	1756.2	1662.9	1525.5	1351.7	1233.4	1232.9	1205.0	1254.6	1385.1
40°	1899.0	1900.0	1868.7	1780.4	1636.3	1440.9	1304.1	1302.7	1266.3	1320.4	1448.2
42.5°	1934.1	1940.5	1948.5	1892.5	1752.2	1544.3	1388.3	1386.4	1351.7	1414.8	1522.5
45°	1936.6	1949.3	1999.2	1992.1	1869.6	1662.8	1496.0	1490.6	1465.7	1540.3	1611.1
47.5°	1915.1	1928.2	2011.1	2051.4	1974.6	1787.7	1621.9	1617.7	1596.2	1697.3	1707.1
50°	1868.1	1880.6	1986.5	2080.4	2061.0	1907.8	1767.0	1755.8	1744.3	1878.7	1816.9
52.5°	1780.0	1804.0	1953.7	2087.3	2112.6	2014.5	1919.5	1912.2	1918.6	2070.0	1926.8
55°	1571.4	1598.3	1869.1	2081.5	2150.8	2104.2	2072.1	2071.7	2104.5	2270.7	2044.9
57.5°	1454.5	1473.5	1696.7	2071.7	2196.1	2193.2	2223.1	2226.8	2290.7	2489.3	2168.5
60°	1388.5	1408.5	1609.4	2035.5	2266.3	2308.4	2377.3	2384.5	2479.9	2731.3	2317.2
62.5°	1328.4	1350.3	1555.3	1961.6	2349.0	2473.0	2561.9	2568.4	2680.3	2980.1	2460.9
65°	1225.8	1250.5	1476.0	1913.0	2424.3	2687.8	2796.6	2801.0	2910.4	3240.7	2570.9
67.5°	1080.7	1103.3	1326.5	1805.7	2479.9	2948.6	3108.6	3111.1	3138.6	3424.7	2627.1
70°	911.2	919.9	1113.5	1584.3	2414.1	3192.5	3450.6	3451.2	3346.6	3542.6	2617.9
72.5°	640.2	660.6	808.3	1199.3	2074.6	3162.8	3628.2	3634.7	3443.3	3483.1	2408.7
75°	392.7	414.2	507.0	726.8	1316.2	2487.4	3352.2	3397.5	3262.0	3105.6	1967.7
77.5°	262.5	270.6	330.9	423.7	596.3	1431.1	2577.2	2662.4	2709.8	2264.8	1258.4
80°	146.4	161.8	219.4	263.3	265.2	568.6	1545.3	1565.3	1507.7	901.8	388.2
82.5°	77.5	86.0	146.4	154.7	144.7	190.4	575.9	576.5	481.7	241.8	115.3
85°	60.1	67.2	100.4	94.4	73.9	84.4	190.0	200.4	163.9	99.0	37.6
87.5°	29.9	37.2	68.1	59.9	29.0	24.2	67.9	72.5	64.7	38.8	13.6
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: P1208059

CATALOG NUMBER: UPW-SA1-040-730-U-T3R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2
2.5°	1004.7	1006.4	1008.5	1006.2	1005.4	1002.4	997.2	996.0	993.4	993.5	995.1
5°	1013.5	1016.4	1015.2	1006.4	995.8	981.1	965.7	952.7	944.0	943.5	942.9
7.5°	1030.4	1032.3	1023.3	998.2	968.6	934.4	902.2	874.0	856.9	852.7	851.7
10°	1056.9	1056.5	1031.7	981.1	922.2	861.1	809.3	770.2	747.3	740.6	738.9
12.5°	1086.4	1082.0	1034.6	950.0	856.5	771.9	706.2	662.7	638.9	631.2	629.3
15°	1116.9	1106.0	1027.5	903.5	775.9	675.7	606.8	566.5	553.7	549.5	548.7
17.5°	1145.4	1124.2	1007.2	840.6	684.0	580.0	526.2	510.1	513.2	518.7	518.9
20°	1173.2	1136.5	974.5	761.1	587.1	501.1	482.9	494.8	509.3	520.7	522.2
22.5°	1200.6	1145.2	932.5	669.4	500.3	456.8	469.6	491.3	508.0	520.3	522.4
25°	1223.7	1147.3	874.6	571.5	440.1	440.1	463.3	483.8	500.3	512.4	514.5
27.5°	1232.1	1133.1	792.8	480.9	409.7	432.4	454.5	471.5	485.5	498.4	500.7
30°	1235.4	1106.8	698.4	408.2	397.3	424.1	442.6	457.1	470.4	482.5	484.6
32.5°	1235.9	1075.1	598.2	366.9	388.6	415.5	427.8	440.6	454.8	459.6	460.4
35°	1239.6	1037.7	492.6	345.8	380.6	407.4	417.2	426.4	403.4	405.1	406.7
37.5°	1250.1	1000.6	404.4	333.9	375.4	403.2	414.9	381.5	363.5	359.3	358.7
40°	1269.9	961.1	338.9	324.3	373.5	405.3	400.1	356.2	325.1	301.9	298.4
42.5°	1297.3	918.5	297.1	318.0	374.8	415.5	379.6	331.8	280.2	265.2	263.3
45°	1328.2	873.8	274.4	313.6	379.4	423.4	375.4	299.4	259.3	248.0	247.0
47.5°	1358.2	819.1	262.7	311.7	385.8	417.0	357.5	289.4	249.3	243.3	243.9
50°	1392.5	769.8	255.6	309.6	391.3	413.0	337.4	284.2	245.5	252.8	260.4
52.5°	1421.5	718.7	249.3	305.3	393.4	405.9	332.2	285.2	245.5	259.5	266.8
55°	1455.9	680.1	242.0	296.5	389.4	385.8	328.6	290.9	248.3	239.5	240.3
57.5°	1500.2	667.5	233.9	282.7	376.0	356.4	326.8	296.5	246.6	241.0	243.0
60°	1561.6	680.9	230.7	264.7	355.0	333.4	327.0	293.6	234.5	224.9	225.1
62.5°	1620.2	695.9	230.5	253.3	329.3	312.8	322.6	284.2	228.4	222.8	224.9
65°	1639.3	680.7	221.3	240.7	300.3	288.3	314.5	274.2	223.8	215.3	214.9
67.5°	1613.6	633.7	202.7	220.1	267.1	259.7	304.0	262.3	216.5	209.6	208.4
70°	1537.2	528.7	179.6	193.1	229.3	227.4	287.3	248.5	206.7	200.7	195.8
72.5°	1331.7	376.7	151.4	160.6	186.7	192.9	264.3	230.5	192.9	180.0	172.3
75°	1093.7	278.9	124.4	126.3	141.8	158.5	232.6	209.4	176.6	154.7	148.7
77.5°	669.8	170.6	99.0	99.8	101.7	126.5	191.5	185.8	155.8	129.0	124.7
80°	216.9	93.1	71.6	75.2	69.5	92.7	148.2	158.1	133.8	107.9	103.3
82.5°	82.5	54.3	48.4	50.9	48.2	62.2	108.0	126.7	109.6	88.7	72.2
85°	39.9	30.7	28.6	32.0	29.7	31.9	69.1	93.3	83.1	57.8	53.7
87.5°	14.2	13.6	10.9	14.8	12.7	11.3	21.1	47.0	54.9	39.7	35.5
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)