

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: P1208125

Luminaire Tested: UPW-SA1-040-750-U-SL3

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-750-U-SL3  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5791 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - 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

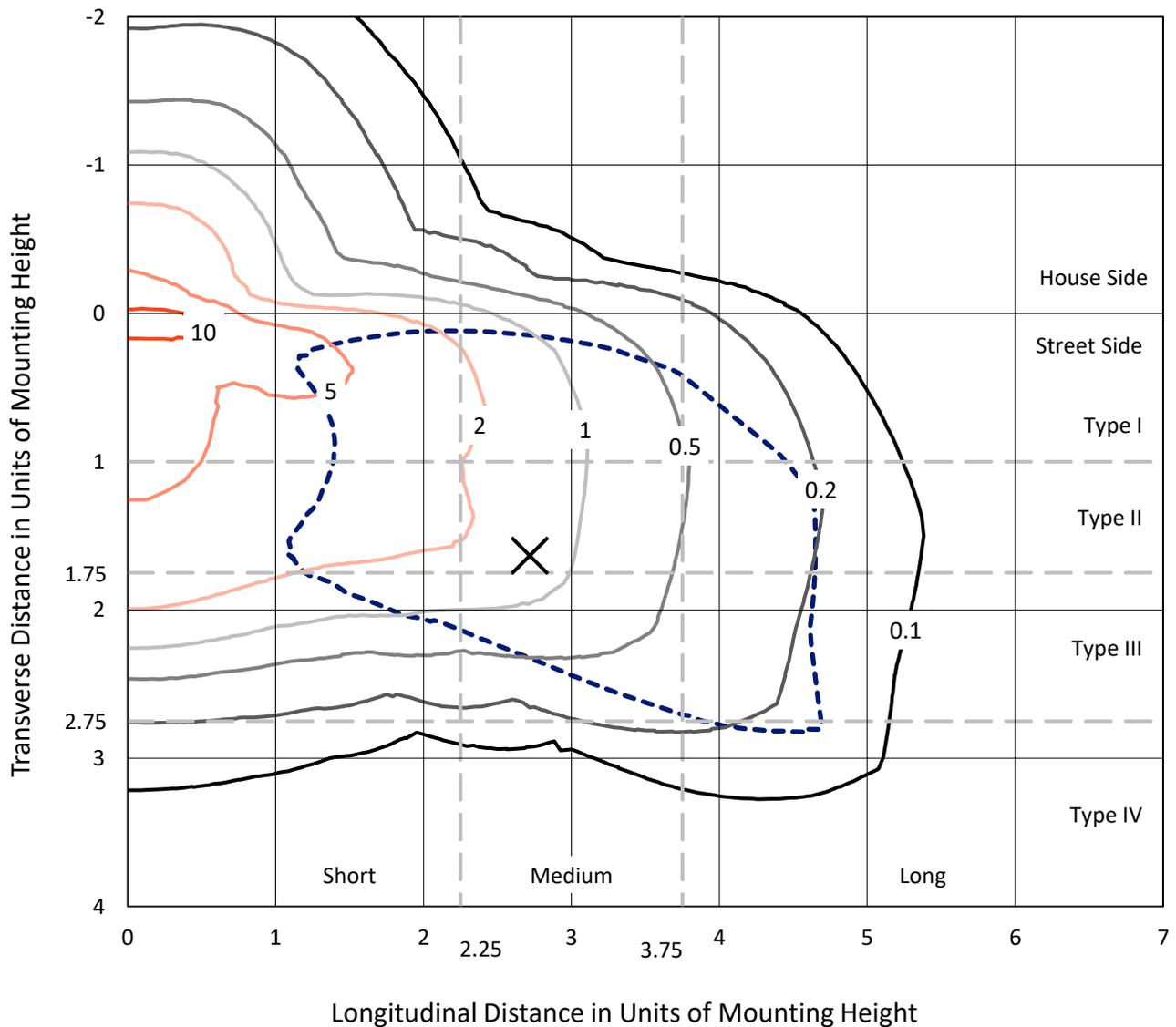


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

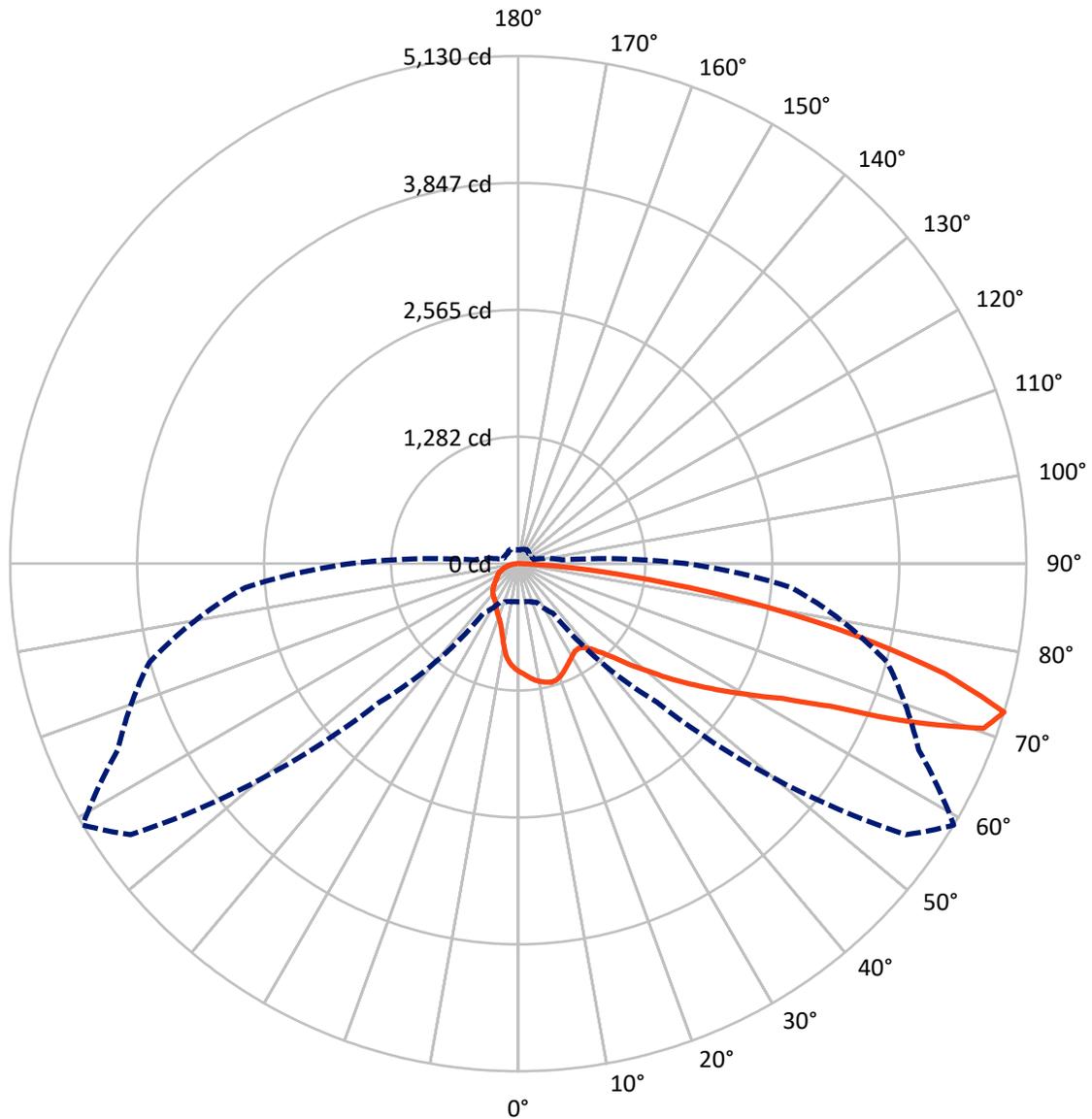


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	985.4	0.0	985.4
	% Fixture	17.0	0.0	17.0
<b>Street Side</b>	Lumens	4805.6	0.0	4805.6
	% Fixture	83.0	0.0	83.0
<b>Total</b>	Lumens	5791.0	0.0	5791.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.0	1.7
10°-20°	250.2	4.3
20°-30°	367.9	6.4
30°-40°	505.5	8.7
40°-50°	755.0	13.0
50°-60°	1150.6	19.9
60°-70°	1474.8	25.5
70°-80°	1019.5	17.6
80°-90°	169.6	2.9
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°	5791.0	100.0
0°-180°	5791.0	100.0



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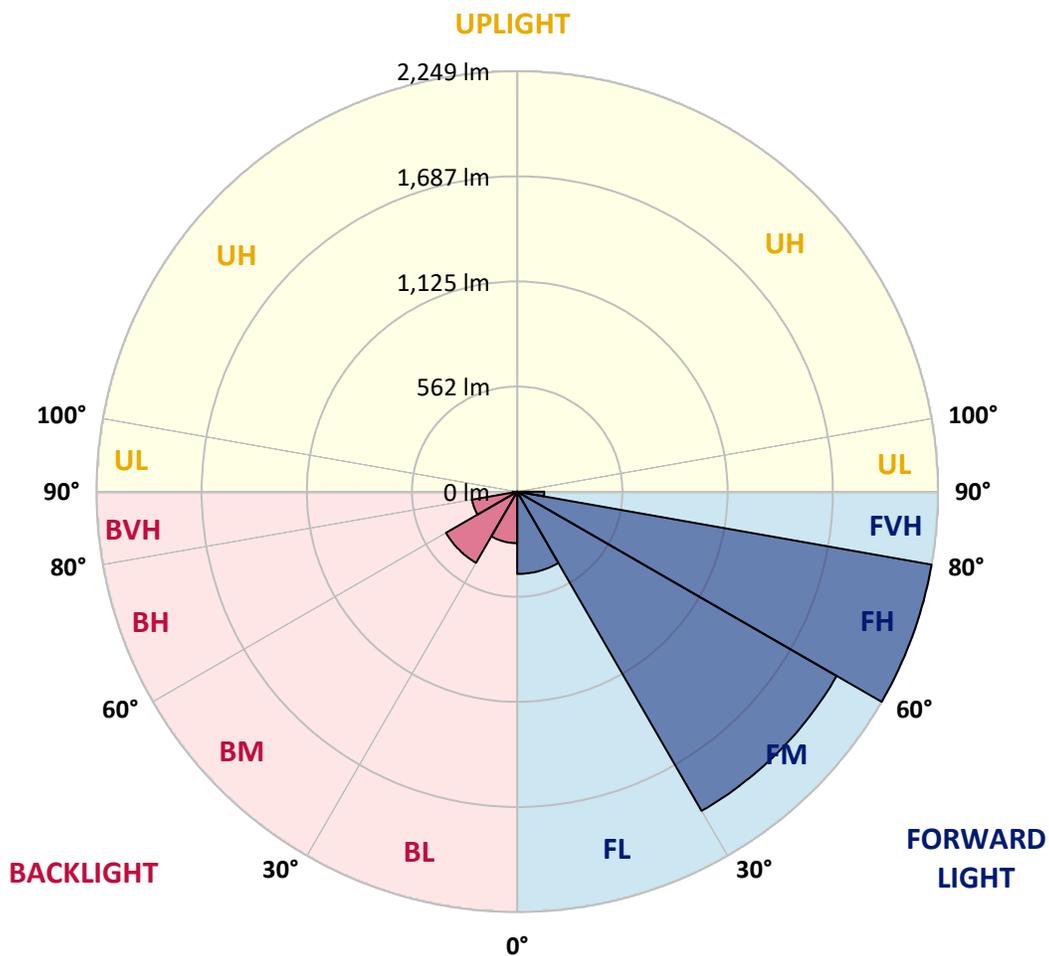
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.3	7.6			
FM	(30°-60°)	1971.6	34.0			
FH	(60°-80°)	2249.0	38.8			G2/5000
FVH	(80°-90°)	144.7	2.5			G2/225
BL	(0°-30°)	275.7	4.8	B1/500		
BM	(30°-60°)	439.5	7.6	B1/1000		
BH	(60°-80°)	245.2	4.2	B1/500		G1/500
BVH	(80°-90°)	24.9	0.4			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3
2.5°	1136.9	1133.7	1135.3	1137.7	1131.3	1132.1	1124.0	1117.6	1112.8	1109.6	1102.4
5°	1165.0	1156.9	1160.2	1167.4	1160.2	1166.6	1157.8	1152.9	1144.9	1140.1	1124.0
7.5°	1141.7	1136.1	1144.1	1162.6	1171.4	1188.3	1189.9	1186.7	1183.4	1173.0	1152.9
10°	1034.1	1030.9	1051.8	1100.7	1141.7	1182.6	1209.9	1209.9	1211.5	1204.3	1180.2
12.5°	897.6	895.2	922.5	982.7	1063.0	1156.9	1222.0	1229.2	1242.1	1239.6	1209.1
15°	806.9	805.3	827.0	875.1	957.8	1091.1	1220.4	1244.5	1271.0	1276.6	1238.8
17.5°	760.3	760.3	775.6	812.5	869.5	999.6	1185.0	1238.0	1291.8	1318.3	1272.6
20°	747.5	745.9	754.7	777.2	816.5	917.7	1132.1	1215.6	1307.9	1352.0	1294.2
22.5°	753.9	752.3	755.5	766.7	789.2	863.1	1075.1	1181.8	1316.7	1381.8	1313.5
25°	785.2	783.6	779.6	778.8	783.6	837.4	1017.2	1144.1	1325.6	1424.3	1336.8
27.5°	846.2	841.4	827.8	814.9	802.1	831.8	980.3	1110.4	1336.8	1459.6	1351.2
30°	924.9	923.3	906.4	882.4	839.8	844.6	957.0	1079.1	1336.8	1486.9	1350.4
32.5°	982.7	983.5	980.3	965.9	905.6	873.5	948.2	1053.4	1334.4	1524.7	1353.7
35°	1043.7	1043.7	1035.7	1035.7	996.4	929.7	961.0	1051.0	1348.0	1587.3	1376.9
37.5°	1147.3	1145.7	1128.8	1112.0	1083.1	1020.5	998.8	1074.3	1385.8	1687.7	1408.2
40°	1283.8	1287.0	1252.5	1205.9	1172.2	1125.6	1069.4	1133.7	1444.4	1807.3	1448.4
42.5°	1448.4	1457.2	1403.4	1339.2	1280.6	1219.6	1168.2	1228.4	1547.9	1977.5	1517.4
45°	1650.7	1641.9	1574.4	1488.5	1411.5	1307.9	1276.6	1351.2	1682.8	2207.9	1623.4
47.5°	1826.5	1831.4	1748.7	1654.7	1559.2	1415.5	1413.9	1531.1	1861.1	2444.0	1745.5
50°	1997.6	2012.0	1920.5	1821.7	1719.8	1535.9	1587.3	1709.3	2052.2	2684.8	1896.4
52.5°	2131.6	2141.3	2056.2	1971.1	1869.9	1694.9	1792.0	1938.1	2245.7	2915.3	2069.8
55°	2237.6	2251.3	2155.7	2085.1	2008.0	1868.3	2026.5	2163.8	2446.4	3129.6	2247.3
57.5°	2381.3	2389.4	2268.9	2207.1	2134.9	2065.8	2284.2	2417.5	2661.5	3311.9	2431.1
60°	2491.3	2496.1	2371.7	2352.4	2350.8	2338.0	2570.8	2689.6	2863.9	3482.1	2619.0
62.5°	2395.8	2395.8	2309.9	2363.7	2558.8	2785.2	2968.2	3003.6	3072.6	3647.5	2799.6
65°	1898.0	1917.3	1926.9	2107.6	2543.5	3242.8	3627.4	3471.6	3333.6	3799.2	2947.4
67.5°	996.4	1034.9	1124.0	1435.5	2097.1	3409.8	4472.0	4265.7	3703.7	3901.2	3005.2
70°	507.4	518.7	565.2	739.5	1319.9	2970.6	4973.8	4985.9	4145.3	3945.3	2963.4
72.5°	385.4	385.4	395.8	430.3	610.2	1981.5	4777.1	5129.6	4461.6	3856.2	2766.7
75°	321.2	325.2	346.0	350.9	308.3	1028.5	3874.7	4450.4	4125.2	3529.5	2416.7
77.5°	257.7	260.1	293.1	312.3	207.9	440.0	2825.3	3473.3	3181.0	2852.6	1702.1
80°	194.3	198.3	228.0	267.4	154.2	211.2	1903.6	2375.7	1990.3	1748.7	786.0
82.5°	130.1	131.7	155.8	211.2	114.0	117.2	1121.6	1331.2	967.5	655.1	206.3
85°	79.5	81.1	97.1	136.5	75.5	62.6	497.8	514.6	305.9	155.8	73.9
87.5°	36.1	40.1	50.6	65.8	37.7	25.7	83.5	81.9	60.2	56.2	31.3
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°	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3	1090.3
2.5°	1091.9	1083.1	1074.3	1062.2	1051.8	1034.1	1022.1	1010.0	1003.6	1002.0	999.6
5°	1111.2	1095.9	1070.2	1036.5	999.6	957.8	918.5	884.0	860.7	853.5	856.7
7.5°	1133.7	1112.0	1061.4	996.4	921.7	839.8	770.8	725.8	697.7	681.6	684.9
10°	1153.7	1122.4	1042.1	932.9	805.3	702.5	647.9	616.6	602.2	600.6	599.8
12.5°	1173.8	1132.9	1012.4	842.2	700.9	619.8	592.5	583.7	582.1	583.7	582.9
15°	1197.1	1138.5	961.8	748.3	627.0	585.3	576.5	574.1	574.9	578.9	578.1
17.5°	1216.4	1136.1	883.2	663.2	587.7	568.4	560.4	556.4	560.4	567.6	567.6
20°	1222.8	1112.8	792.4	603.8	566.0	550.0	538.7	532.3	537.1	546.0	547.6
22.5°	1218.0	1068.6	699.3	562.0	543.5	528.3	516.3	509.8	512.2	518.7	519.5
25°	1210.7	1010.8	617.4	529.9	514.6	502.6	499.4	491.4	487.3	491.4	492.2
27.5°	1189.1	934.6	550.0	497.0	482.5	484.1	482.5	475.3	469.7	468.9	470.5
30°	1140.9	828.6	499.4	463.3	458.4	467.3	467.3	456.8	446.4	444.8	447.2
32.5°	1083.1	720.2	457.6	435.2	444.8	449.6	449.6	440.8	430.3	423.9	427.1
35°	1026.1	617.4	425.5	415.9	434.4	438.4	434.4	431.1	414.3	398.2	402.2
37.5°	960.2	529.1	397.4	401.4	422.3	423.9	423.9	412.7	390.2	376.5	379.8
40°	888.8	462.5	374.1	388.6	409.5	409.5	403.0	395.8	384.6	370.9	372.5
42.5°	843.0	417.5	356.5	374.9	389.4	394.2	379.8	385.4	375.7	361.3	362.9
45°	836.6	389.4	342.0	354.1	366.9	365.3	366.1	370.1	361.3	342.0	341.2
47.5°	875.9	380.6	328.4	330.8	342.0	347.6	352.5	354.1	341.2	320.3	317.1
50°	963.5	395.8	314.7	309.9	319.5	332.4	337.2	339.6	324.4	302.7	299.5
52.5°	1098.3	443.2	302.7	292.2	291.4	313.9	327.6	334.0	309.9	286.6	285.0
55°	1247.7	507.4	286.6	277.0	268.2	299.5	319.5	326.8	296.3	265.8	263.3
57.5°	1406.6	583.7	268.2	261.7	251.3	285.8	305.1	310.7	275.4	240.9	239.3
60°	1572.8	651.9	250.5	244.9	239.3	267.4	287.4	289.0	256.1	221.6	220.0
62.5°	1723.0	698.5	233.6	227.2	227.2	245.7	266.6	264.9	236.0	203.9	202.3
65°	1833.8	692.9	218.4	210.4	213.6	222.4	240.9	235.2	214.4	187.1	185.5
67.5°	1878.7	633.5	203.9	195.1	195.9	198.3	213.6	209.6	192.7	170.2	169.4
70°	1832.2	526.7	185.5	174.2	172.6	173.4	188.7	181.5	169.4	155.0	154.2
72.5°	1693.3	441.6	164.6	155.0	151.7	149.3	162.2	159.0	150.1	138.1	138.9
75°	1484.5	381.4	142.1	135.7	130.1	127.7	138.1	136.5	130.1	122.0	122.0
77.5°	1037.3	278.6	117.2	114.8	111.6	106.8	114.8	115.6	111.6	109.2	108.4
80°	449.6	155.8	92.3	93.9	89.9	86.7	93.1	93.9	97.1	93.9	94.7
82.5°	130.1	77.1	66.6	71.5	69.9	66.6	69.9	77.1	72.3	63.4	65.0
85°	48.2	36.9	41.7	45.0	42.6	33.7	44.2	50.6	45.8	42.6	43.4
87.5°	18.5	13.6	17.7	15.3	12.0	8.8	15.3	16.9	22.5	8.8	7.2
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)