

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: P1208665

Luminaire Tested: UPW-SA1-070-827-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208665
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-SA1-070-827-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 5780 lumens
Efficiency: N/A
Efficacy: 87.6 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): 66
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

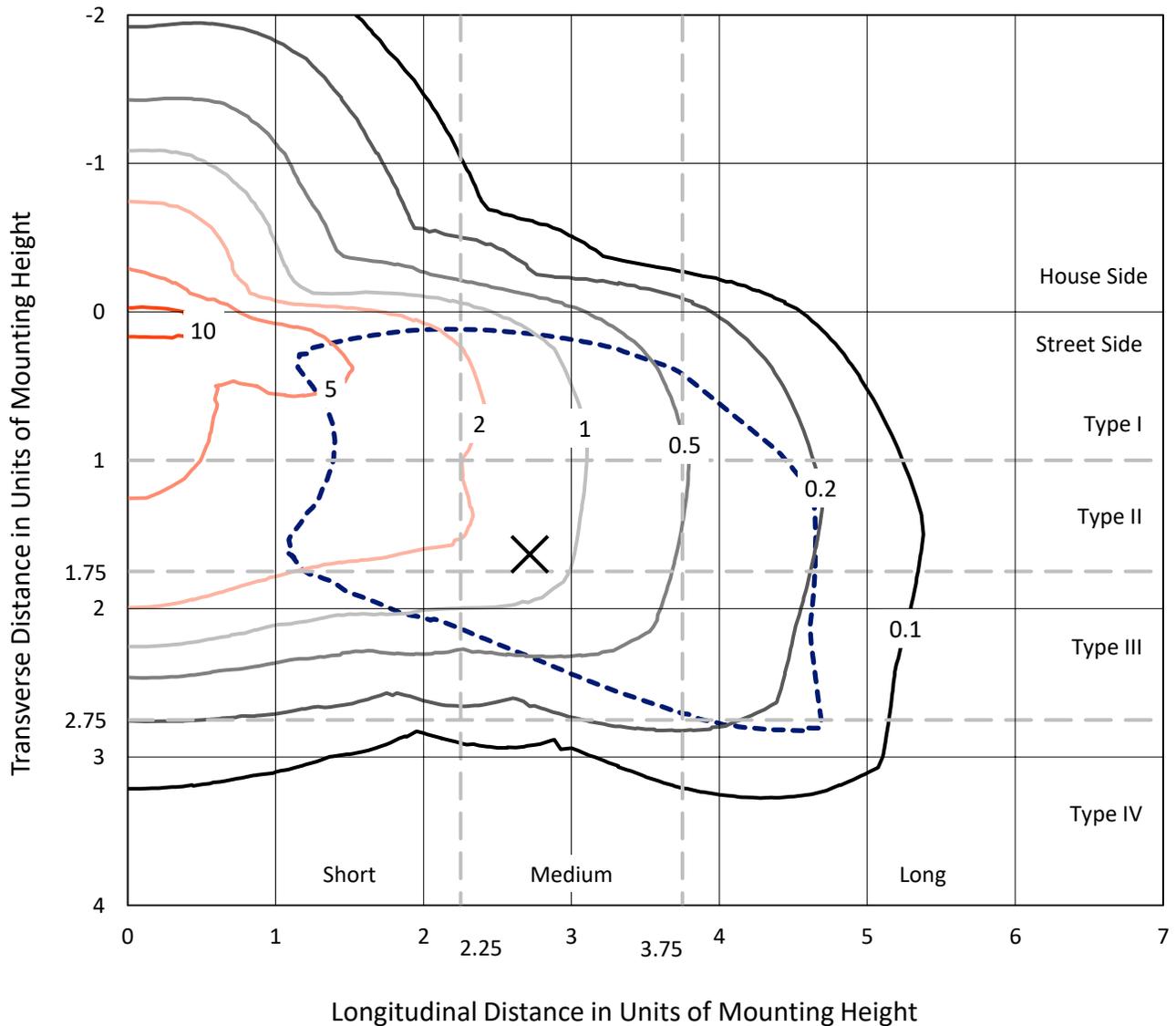


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

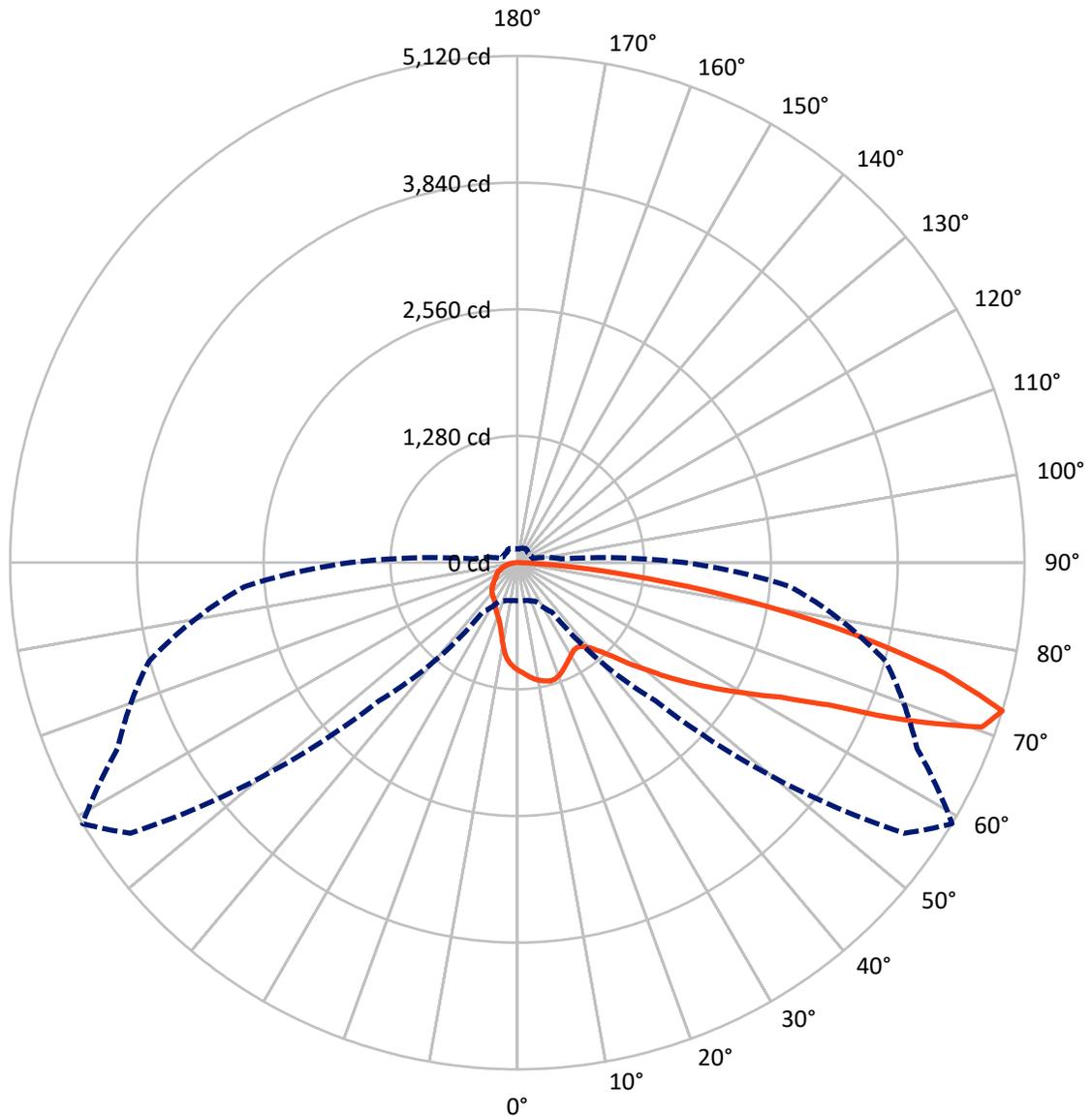


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Medium - N/A

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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
House Side	Lumens	983.5	0.0	983.5
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	4796.5	0.0	4796.5
	% Fixture	83.0	0.0	83.0
Total	Lumens	5780.0	0.0	5780.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	1.7
10°-20°	249.7	4.3
20°-30°	367.2	6.4
30°-40°	504.5	8.7
40°-50°	753.6	13.0
50°-60°	1148.5	19.9
60°-70°	1472.0	25.5
70°-80°	1017.5	17.6
80°-90°	169.3	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°	5780.0	100.0
0°-180°	5780.0	100.0



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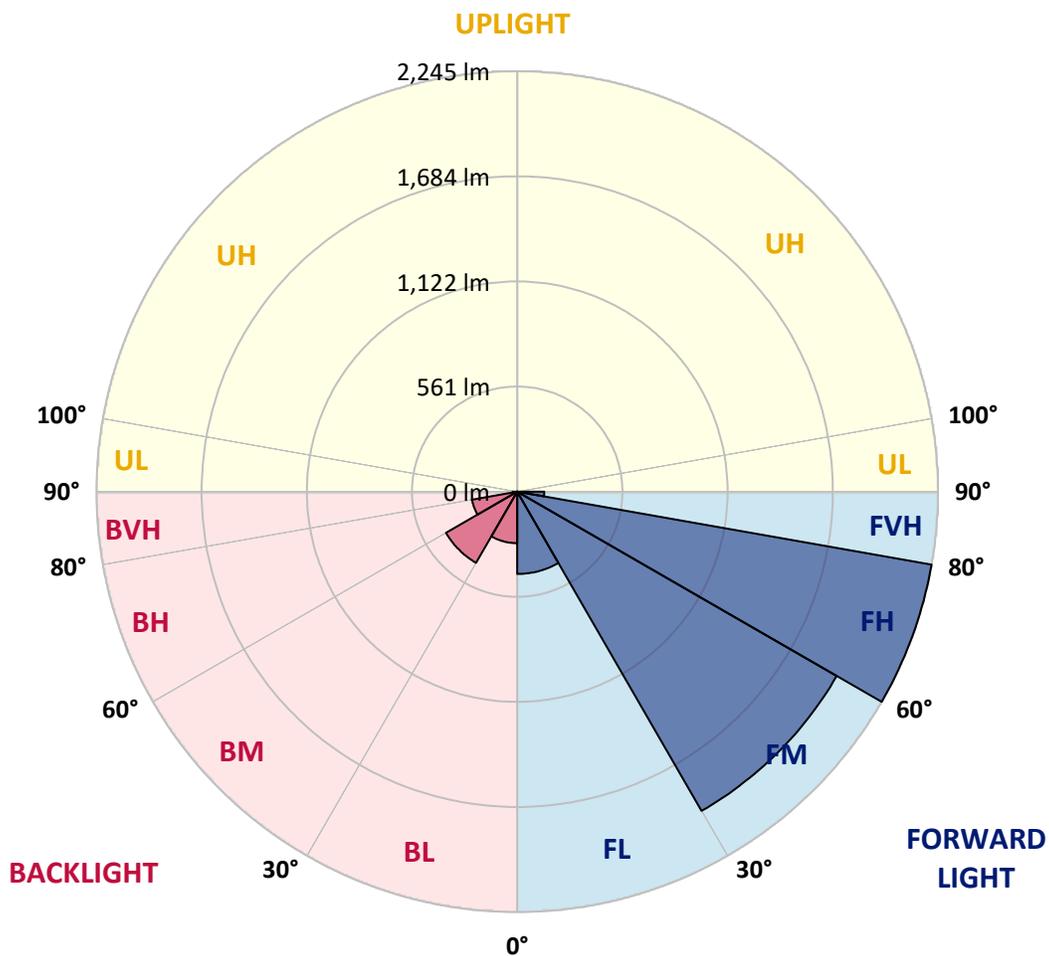
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.5	7.6			
FM	(30°-60°)	1967.9	34.0			
FH	(60°-80°)	2244.7	38.8			G2/5000
FVH	(80°-90°)	144.4	2.5			G2/225
BL	(0°-30°)	275.2	4.8	B1/500		
BM	(30°-60°)	438.7	7.6	B1/1000		
BH	(60°-80°)	244.8	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°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2
2.5°	1134.7	1131.5	1133.1	1135.5	1129.1	1129.9	1121.9	1115.5	1110.7	1107.5	1100.3
5°	1162.8	1154.8	1158.0	1165.2	1158.0	1164.4	1155.6	1150.7	1142.7	1137.9	1121.9
7.5°	1139.5	1133.9	1141.9	1160.4	1169.2	1186.0	1187.6	1184.4	1181.2	1170.8	1150.7
10°	1032.1	1028.9	1049.8	1098.7	1139.5	1180.4	1207.6	1207.6	1209.2	1202.0	1178.0
12.5°	895.9	893.5	920.8	980.9	1061.0	1154.8	1219.7	1226.9	1239.7	1237.3	1206.8
15°	805.4	803.8	825.4	873.5	956.0	1089.0	1218.1	1242.1	1268.5	1274.2	1236.5
17.5°	758.9	758.9	774.1	811.0	867.9	997.7	1182.8	1235.7	1289.4	1315.8	1270.1
20°	746.1	744.5	753.3	775.7	815.0	915.9	1129.9	1213.2	1305.4	1349.5	1291.8
22.5°	752.5	750.9	754.1	765.3	787.7	861.5	1073.0	1179.6	1314.2	1379.1	1311.0
25°	783.7	782.1	778.1	777.3	782.1	835.8	1015.3	1141.9	1323.0	1421.6	1334.3
27.5°	844.6	839.8	826.2	813.4	800.6	830.2	978.5	1108.3	1334.3	1456.9	1348.7
30°	923.2	921.6	904.7	880.7	838.2	843.0	955.2	1077.0	1334.3	1484.1	1347.9
32.5°	980.9	981.7	978.5	964.0	903.9	871.9	946.4	1051.4	1331.8	1521.8	1351.1
35°	1041.8	1041.8	1033.7	1033.7	994.5	928.0	959.2	1049.0	1345.5	1584.3	1374.3
37.5°	1145.1	1143.5	1126.7	1109.9	1081.0	1018.5	996.9	1072.2	1383.1	1684.4	1405.6
40°	1281.4	1284.6	1250.1	1203.6	1170.0	1123.5	1067.4	1131.5	1441.6	1803.8	1445.6
42.5°	1445.6	1454.5	1400.8	1336.7	1278.2	1217.3	1166.0	1226.1	1545.0	1973.7	1514.6
45°	1647.6	1638.8	1571.5	1485.7	1408.8	1305.4	1274.2	1348.7	1679.6	2203.7	1620.3
47.5°	1823.1	1827.9	1745.3	1651.6	1556.2	1412.8	1411.2	1528.2	1857.5	2439.3	1742.1
50°	1993.8	2008.2	1916.8	1818.3	1716.5	1533.0	1584.3	1706.1	2048.3	2679.7	1892.8
52.5°	2127.6	2137.2	2052.3	1967.3	1866.4	1691.7	1788.6	1934.5	2241.4	2909.7	2065.9
55°	2233.4	2247.0	2151.6	2081.1	2004.2	1864.7	2022.6	2159.6	2441.7	3123.7	2243.0
57.5°	2376.8	2384.8	2264.6	2202.9	2130.8	2061.9	2279.8	2412.9	2656.5	3305.6	2426.5
60°	2486.6	2491.4	2367.2	2348.0	2346.4	2333.5	2565.9	2684.5	2858.4	3475.5	2614.0
62.5°	2391.2	2391.2	2305.5	2359.2	2553.9	2779.9	2962.6	2997.9	3066.8	3640.5	2794.3
65°	1894.4	1913.6	1923.2	2103.6	2538.7	3236.7	3620.5	3465.1	3327.2	3792.0	2941.8
67.5°	994.5	1032.9	1121.9	1432.8	2093.1	3403.3	4463.5	4257.6	3696.6	3893.8	2999.5
70°	506.5	517.7	564.2	738.0	1317.4	2965.0	4964.4	4976.4	4137.4	3937.8	2957.8
72.5°	384.6	384.6	395.1	429.5	609.0	1977.7	4768.1	5119.8	4453.1	3848.9	2761.5
75°	320.5	324.5	345.4	350.2	307.7	1026.5	3867.3	4441.9	4117.4	3522.7	2412.1
77.5°	257.2	259.6	292.5	311.7	207.6	439.1	2820.0	3466.7	3175.0	2847.2	1698.9
80°	193.9	197.9	227.6	266.9	153.9	210.8	1900.0	2371.2	1986.6	1745.3	784.5
82.5°	129.8	131.4	155.5	210.8	113.8	117.0	1119.5	1328.6	965.6	653.9	205.9
85°	79.3	80.9	97.0	136.2	75.3	62.5	496.8	513.7	305.3	155.5	73.7
87.5°	36.1	40.1	50.5	65.7	37.7	25.6	83.3	81.7	60.1	56.1	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°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2
2.5°	1089.8	1081.0	1072.2	1060.2	1049.8	1032.1	1020.1	1008.1	1001.7	1000.1	997.7
5°	1109.1	1093.8	1068.2	1034.5	997.7	956.0	916.7	882.3	859.1	851.8	855.0
7.5°	1131.5	1109.9	1059.4	994.5	920.0	838.2	769.3	724.4	696.4	680.3	683.6
10°	1151.5	1120.3	1040.2	931.2	803.8	701.2	646.7	615.4	601.0	599.4	598.6
12.5°	1171.6	1130.7	1010.5	840.6	699.6	618.6	591.4	582.6	581.0	582.6	581.8
15°	1194.8	1136.3	960.0	746.9	625.9	584.2	575.4	573.0	573.8	577.8	577.0
17.5°	1214.1	1133.9	881.5	661.9	586.6	567.4	559.3	555.3	559.3	566.6	566.6
20°	1220.5	1110.7	790.9	602.6	565.0	548.9	537.7	531.3	536.1	544.9	546.5
22.5°	1215.7	1066.6	698.0	560.9	542.5	527.3	515.3	508.9	511.3	517.7	518.5
25°	1208.4	1008.9	616.2	528.9	513.7	501.6	498.4	490.4	486.4	490.4	491.2
27.5°	1186.8	932.8	548.9	496.0	481.6	483.2	481.6	474.4	468.8	468.0	469.6
30°	1138.7	827.0	498.4	462.4	457.6	466.4	466.4	456.0	445.6	443.9	446.4
32.5°	1081.0	718.8	456.8	434.3	443.9	448.8	448.8	439.9	429.5	423.1	426.3
35°	1024.1	616.2	424.7	415.1	433.5	437.5	433.5	430.3	413.5	397.5	401.5
37.5°	958.4	528.1	396.7	400.7	421.5	423.1	423.1	411.9	389.5	375.8	379.0
40°	887.1	461.6	373.4	387.9	408.7	408.7	402.3	395.1	383.8	370.2	371.8
42.5°	841.4	416.7	355.8	374.2	388.7	393.5	379.0	384.6	375.0	360.6	362.2
45°	835.0	388.7	341.4	353.4	366.2	364.6	365.4	369.4	360.6	341.4	340.6
47.5°	874.3	379.8	327.8	330.2	341.4	347.0	351.8	353.4	340.6	319.7	316.5
50°	961.6	395.1	314.1	309.3	318.9	331.8	336.6	339.0	323.7	302.1	298.9
52.5°	1096.3	442.3	302.1	291.7	290.9	313.3	327.0	333.4	309.3	286.1	284.5
55°	1245.3	506.5	286.1	276.5	267.7	298.9	318.9	326.2	295.7	265.2	262.8
57.5°	1404.0	582.6	267.7	261.2	250.8	285.3	304.5	310.1	274.9	240.4	238.8
60°	1569.9	650.7	250.0	244.4	238.8	266.9	286.9	288.5	255.6	221.2	219.6
62.5°	1719.7	697.2	233.2	226.8	226.8	245.2	266.0	264.4	235.6	203.5	201.9
65°	1830.3	691.6	218.0	210.0	213.2	222.0	240.4	234.8	214.0	186.7	185.1
67.5°	1875.2	632.3	203.5	194.7	195.5	197.9	213.2	209.2	192.3	169.9	169.1
70°	1828.7	525.7	185.1	173.9	172.3	173.1	188.3	181.1	169.1	154.7	153.9
72.5°	1690.1	440.7	164.3	154.7	151.5	149.1	161.9	158.7	149.9	137.8	138.6
75°	1481.7	380.6	141.8	135.4	129.8	127.4	137.8	136.2	129.8	121.8	121.8
77.5°	1035.3	278.1	117.0	114.6	111.4	106.6	114.6	115.4	111.4	109.0	108.2
80°	448.8	155.5	92.2	93.8	89.8	86.5	93.0	93.8	97.0	93.8	94.6
82.5°	129.8	76.9	66.5	71.3	69.7	66.5	69.7	76.9	72.1	63.3	64.9
85°	48.1	36.9	41.7	44.9	42.5	33.7	44.1	50.5	45.7	42.5	43.3
87.5°	18.4	13.6	17.6	15.2	12.0	8.8	15.2	16.8	22.4	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)