

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: P1207789

Luminaire Tested: UPW-SA1-030-727-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-727-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4255 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
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

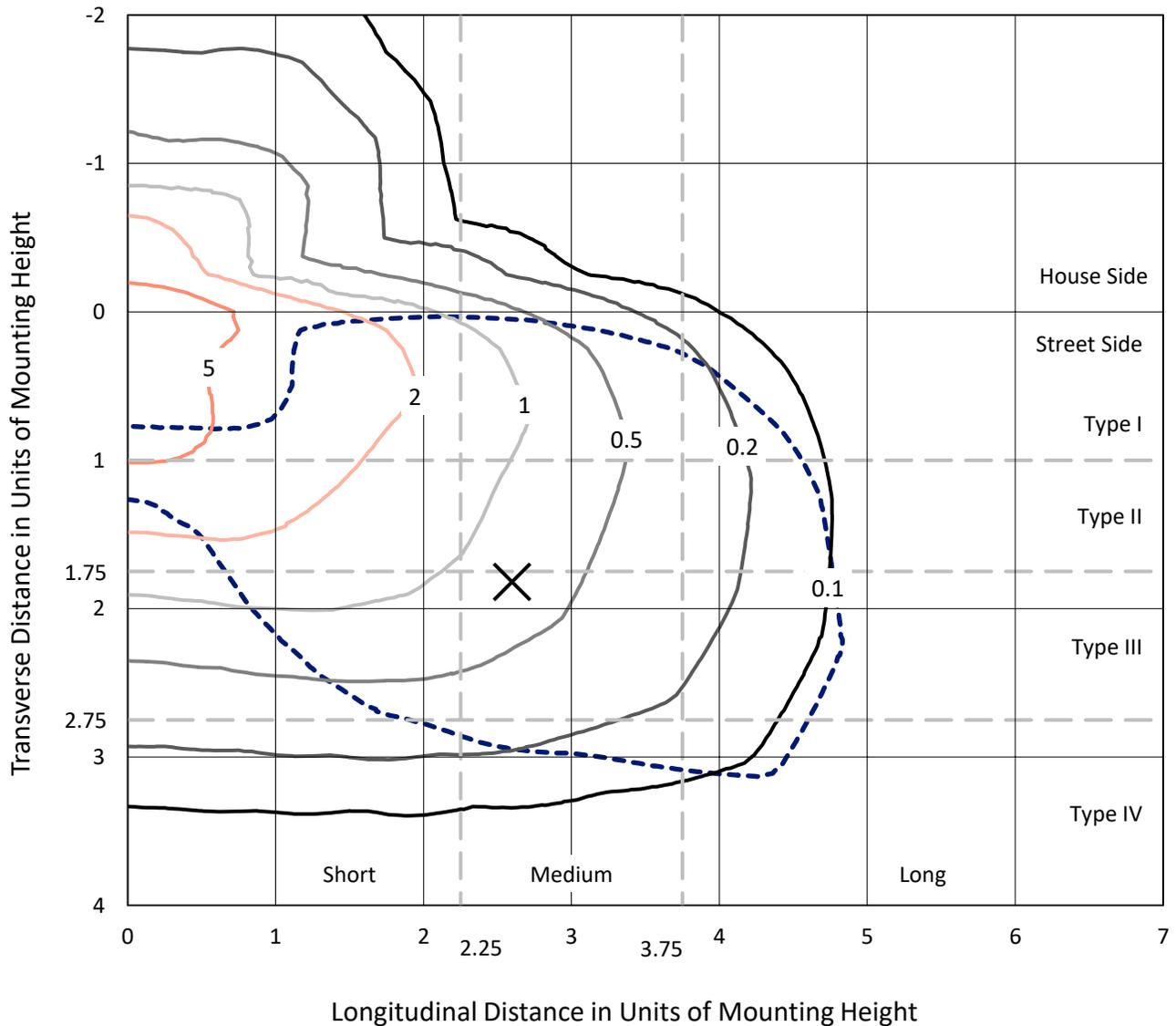


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Iso-Footcandle Lines of Horizontal Illumination

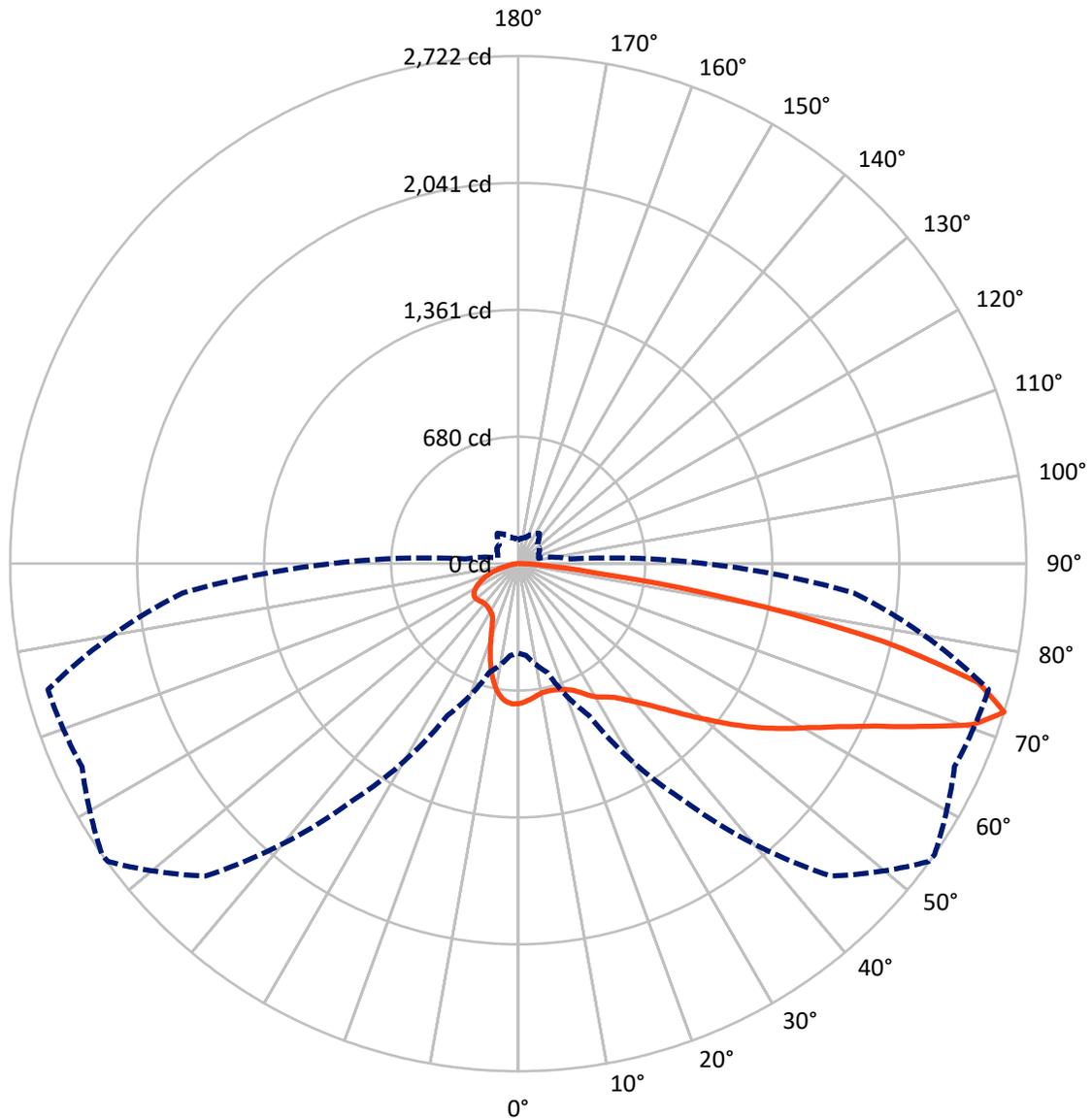
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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
House Side	Lumens	790.9	0.0	790.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3464.1	0.0	3464.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	4255.0	0.0	4255.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	1.6
10°-20°	180.8	4.2
20°-30°	298.1	7.0
30°-40°	441.0	10.4
40°-50°	615.5	14.5
50°-60°	801.4	18.8
60°-70°	984.9	23.1
70°-80°	772.0	18.1
80°-90°	93.4	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°	4255.0	100.0
0°-180°	4255.0	100.0



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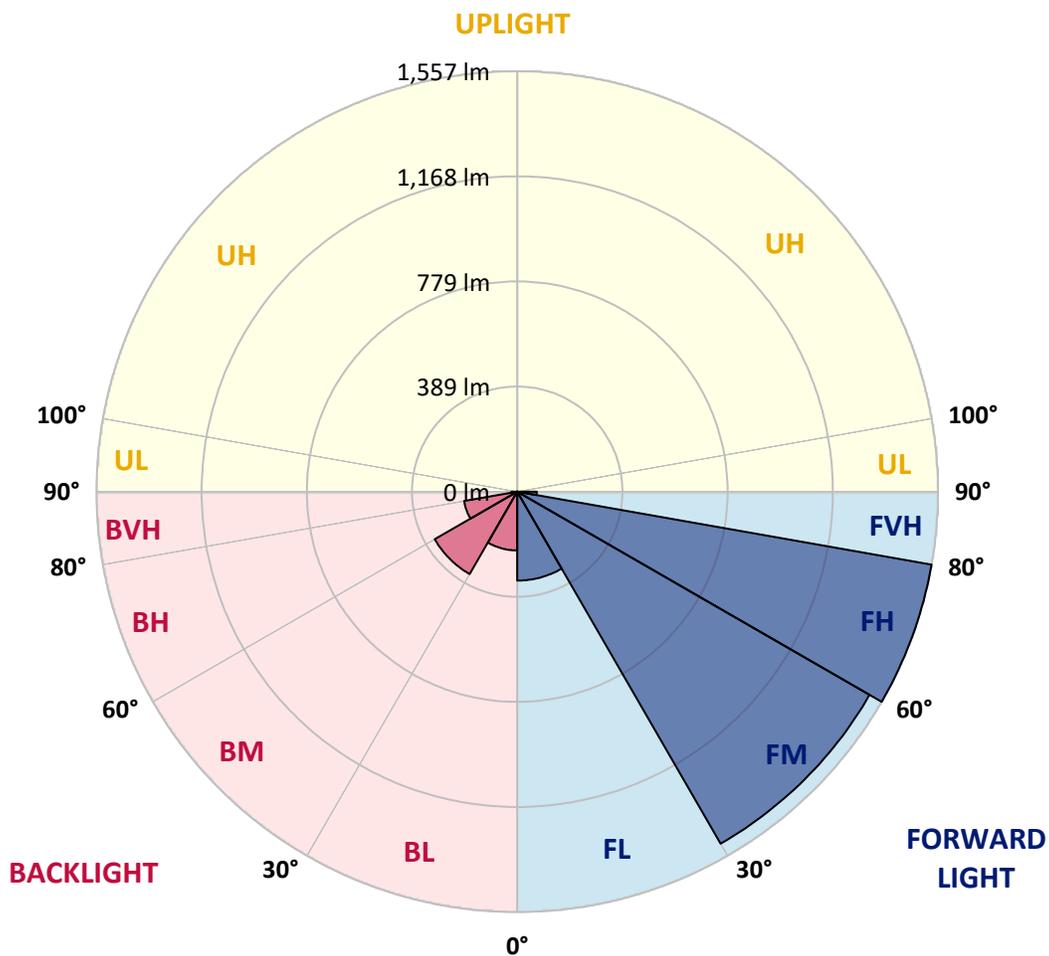
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.2	7.7			
FM	(30°-60°)	1505.5	35.4			
FH	(60°-80°)	1557.2	36.6			G1/1800
FVH	(80°-90°)	72.2	1.7			G1/100
BL	(0°-30°)	217.6	5.1	B1/500		
BM	(30°-60°)	352.3	8.3	B1/1000		
BH	(60°-80°)	199.7	4.7	B1/500		G1/500
BVH	(80°-90°)	21.2	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-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5
2.5°	726.1	724.3	726.5	729.5	732.8	737.3	739.9	741.0	745.5	747.2	750.9
5°	692.4	691.6	695.2	700.3	707.7	718.0	726.3	727.9	739.7	748.0	755.7
7.5°	668.0	668.0	672.2	678.3	686.5	700.5	712.3	714.4	734.4	752.4	766.4
10°	648.6	649.3	654.2	661.5	671.2	686.0	701.6	704.1	733.0	762.4	784.8
12.5°	635.7	637.4	641.8	648.5	660.4	678.3	698.2	701.5	736.0	776.8	807.0
15°	643.9	646.7	647.2	649.9	656.5	676.0	700.2	703.6	742.4	791.4	832.1
17.5°	679.8	680.8	676.3	670.6	667.4	679.9	706.2	709.8	750.2	806.0	856.3
20°	734.4	733.8	724.2	708.7	692.6	694.6	716.1	719.9	760.7	818.8	880.4
22.5°	803.4	801.4	786.6	758.0	730.5	719.0	733.5	736.7	776.5	837.0	906.3
25°	887.0	882.6	863.0	824.6	784.3	754.7	759.7	762.7	799.5	857.4	930.0
27.5°	975.3	970.8	945.9	899.5	845.8	799.6	795.8	798.3	825.7	872.5	947.5
30°	1067.5	1062.8	1040.1	988.1	911.0	846.2	829.4	830.4	844.1	880.7	961.9
32.5°	1160.2	1155.8	1130.3	1070.0	981.9	896.2	853.7	852.4	855.1	889.2	978.1
35°	1254.2	1255.9	1226.2	1159.4	1060.3	951.8	882.4	879.7	873.7	906.6	1001.1
37.5°	1354.8	1353.7	1315.2	1245.3	1142.4	1012.2	923.7	923.2	902.4	939.5	1037.2
40°	1422.1	1422.8	1399.4	1333.3	1225.3	1079.0	976.6	975.6	948.2	988.8	1084.5
42.5°	1448.4	1453.1	1459.2	1417.2	1312.1	1156.5	1039.6	1038.2	1012.2	1059.5	1140.1
45°	1450.2	1459.7	1497.1	1491.8	1400.1	1245.2	1120.3	1116.3	1097.6	1153.5	1206.5
47.5°	1434.2	1443.9	1506.0	1536.2	1478.7	1338.7	1214.6	1211.4	1195.3	1271.0	1278.4
50°	1398.9	1408.3	1487.6	1557.9	1543.4	1428.7	1323.2	1314.9	1306.2	1406.8	1360.6
52.5°	1333.0	1350.9	1463.0	1563.1	1582.0	1508.6	1437.5	1432.0	1436.7	1550.1	1442.9
55°	1176.8	1196.9	1399.7	1558.8	1610.6	1575.7	1551.7	1551.4	1576.0	1700.5	1531.3
57.5°	1089.2	1103.5	1270.6	1551.4	1644.6	1642.4	1664.8	1667.5	1715.4	1864.2	1623.9
60°	1039.8	1054.7	1205.2	1524.3	1697.2	1728.6	1780.2	1785.7	1857.1	2045.4	1735.2
62.5°	994.8	1011.2	1164.7	1468.9	1759.1	1851.9	1918.5	1923.4	2007.2	2231.6	1842.9
65°	917.9	936.5	1105.3	1432.6	1815.4	2012.8	2094.2	2097.6	2179.5	2426.8	1925.2
67.5°	809.3	826.2	993.4	1352.2	1857.1	2208.1	2327.9	2329.8	2350.3	2564.6	1967.3
70°	682.4	688.8	833.8	1186.4	1807.8	2390.7	2584.0	2584.5	2506.1	2652.9	1960.4
72.5°	479.4	494.7	605.3	898.1	1553.6	2368.5	2717.0	2721.9	2578.6	2608.3	1803.8
75°	294.0	310.1	379.7	544.3	985.6	1862.7	2510.3	2544.2	2442.8	2325.6	1473.5
77.5°	196.6	202.6	247.8	317.3	446.5	1071.7	1930.0	1993.8	2029.3	1696.0	942.4
80°	109.7	121.2	164.3	197.2	198.6	425.8	1157.2	1172.2	1129.0	675.3	290.7
82.5°	58.1	64.4	109.7	115.8	108.4	142.6	431.3	431.7	360.7	181.1	86.4
85°	45.0	50.3	75.2	70.7	55.3	63.2	142.3	150.0	122.7	74.2	28.2
87.5°	22.4	27.9	51.0	44.8	21.7	18.1	50.9	54.3	48.4	29.0	10.2
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°	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5	750.5
2.5°	752.4	753.7	755.2	753.5	752.9	750.6	746.8	745.9	743.9	744.0	745.2
5°	759.0	761.1	760.3	753.7	745.7	734.7	723.2	713.4	706.9	706.5	706.1
7.5°	771.6	773.1	766.3	747.5	725.3	699.8	675.6	654.5	641.7	638.5	637.8
10°	791.4	791.2	772.6	734.7	690.6	644.9	606.1	576.7	559.6	554.6	553.3
12.5°	813.6	810.3	774.8	711.4	641.4	578.0	528.9	496.3	478.4	472.7	471.2
15°	836.4	828.2	769.5	676.6	581.0	506.0	454.4	424.3	414.6	411.5	410.9
17.5°	857.7	841.9	754.2	629.5	512.2	434.3	394.1	382.0	384.3	388.5	388.6
20°	878.5	851.1	729.8	570.0	439.6	375.2	361.6	370.5	381.4	389.9	391.1
22.5°	899.1	857.6	698.3	501.3	374.7	342.0	351.7	367.9	380.4	389.6	391.2
25°	916.3	859.1	654.9	428.0	329.5	329.5	346.9	362.3	374.7	383.7	385.3
27.5°	922.7	848.5	593.7	360.2	306.8	323.8	340.3	353.1	363.6	373.2	375.0
30°	925.1	828.8	523.0	305.7	297.5	317.6	331.4	342.3	352.3	361.3	362.9
32.5°	925.5	805.1	448.0	274.8	291.0	311.1	320.3	330.0	340.6	344.2	344.8
35°	928.3	777.1	368.9	259.0	285.0	305.1	312.4	319.3	302.1	303.4	304.5
37.5°	936.2	749.3	302.8	250.1	281.1	301.9	310.7	285.7	272.2	269.0	268.6
40°	951.0	719.7	253.8	242.9	279.7	303.5	299.7	266.7	243.5	226.1	223.5
42.5°	971.5	687.8	222.5	238.1	280.7	311.1	284.3	248.5	209.8	198.6	197.2
45°	994.7	654.3	205.5	234.8	284.1	317.0	281.1	224.2	194.2	185.7	185.0
47.5°	1017.1	613.4	196.7	233.4	288.9	312.3	267.7	216.7	186.7	182.2	182.7
50°	1042.8	576.4	191.4	231.8	293.0	309.3	252.7	212.8	183.8	189.3	195.0
52.5°	1064.5	538.2	186.7	228.7	294.6	304.0	248.8	213.6	183.8	194.3	199.8
55°	1090.2	509.3	181.2	222.0	291.6	288.9	246.0	217.9	186.0	179.4	179.9
57.5°	1123.4	499.8	175.2	211.7	281.5	266.9	244.8	222.0	184.7	180.5	181.9
60°	1169.4	509.9	172.7	198.2	265.9	249.6	244.9	219.9	175.6	168.4	168.6
62.5°	1213.3	521.1	172.6	189.7	246.6	234.3	241.6	212.8	171.0	166.9	168.4
65°	1227.6	509.8	165.7	180.2	224.9	215.9	235.6	205.4	167.6	161.3	161.0
67.5°	1208.4	474.6	151.8	164.8	200.1	194.4	227.6	196.5	162.1	156.9	156.1
70°	1151.2	395.9	134.5	144.6	171.7	170.3	215.1	186.1	154.8	150.3	146.6
72.5°	997.3	282.1	113.4	120.3	139.8	144.4	197.9	172.6	144.4	134.8	129.1
75°	819.0	208.8	93.1	94.6	106.2	118.7	174.2	156.8	132.2	115.8	111.4
77.5°	501.6	127.8	74.2	74.7	76.2	94.7	143.4	139.1	116.7	96.6	93.4
80°	162.4	69.7	53.6	56.3	52.0	69.4	110.9	118.4	100.2	80.8	77.3
82.5°	61.8	40.7	36.2	38.1	36.1	46.6	80.9	94.9	82.1	66.4	54.0
85°	29.9	23.0	21.4	24.0	22.3	23.9	51.7	69.8	62.2	43.3	40.2
87.5°	10.6	10.2	8.2	11.1	9.5	8.5	15.8	35.2	41.1	29.7	26.6
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)