

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: P1207855

Luminaire Tested: UPW-SA1-030-740-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-740-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 615mA 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: 4722 lumens
Efficiency: N/A
Efficacy: 138.9 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): 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

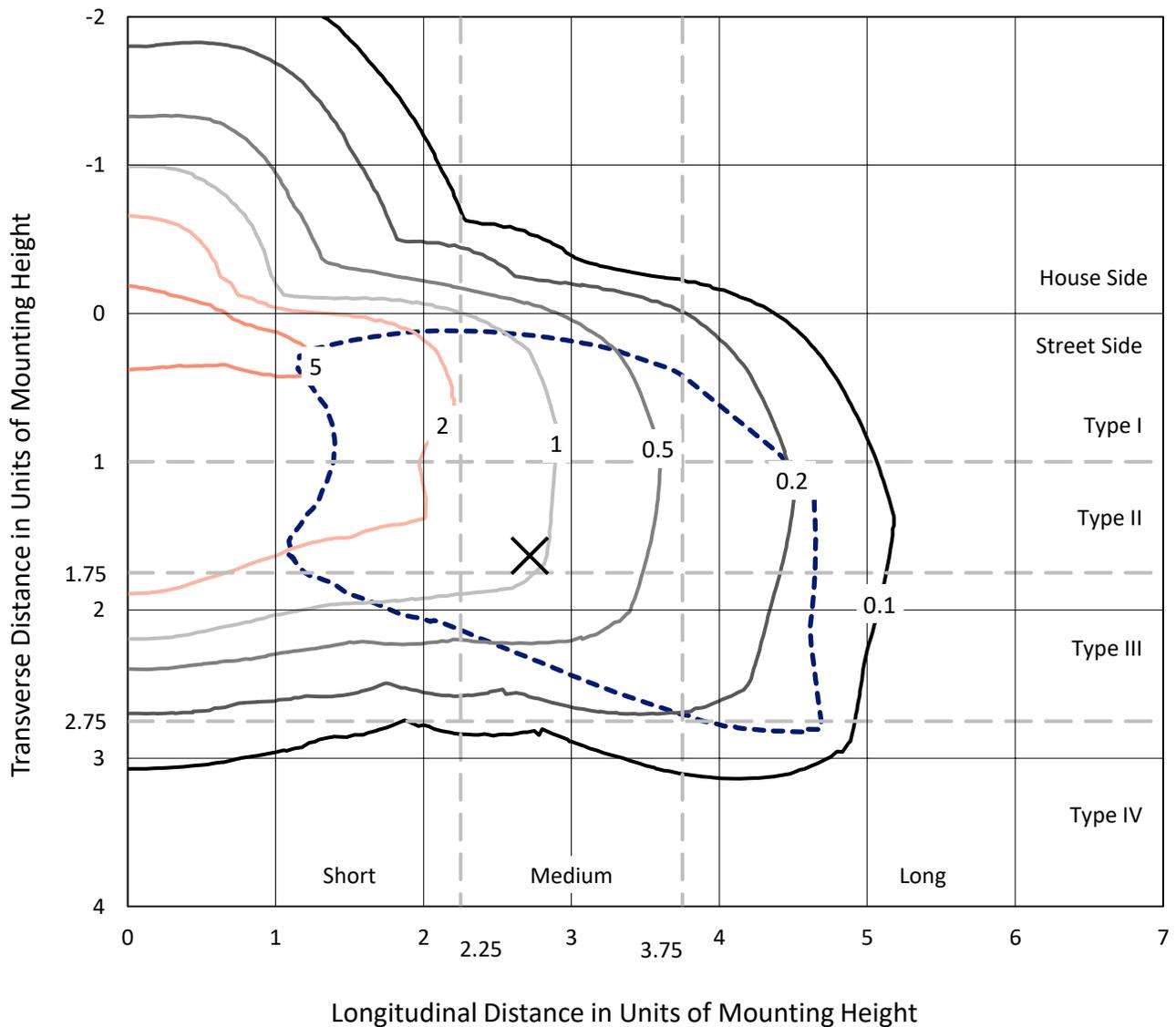


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

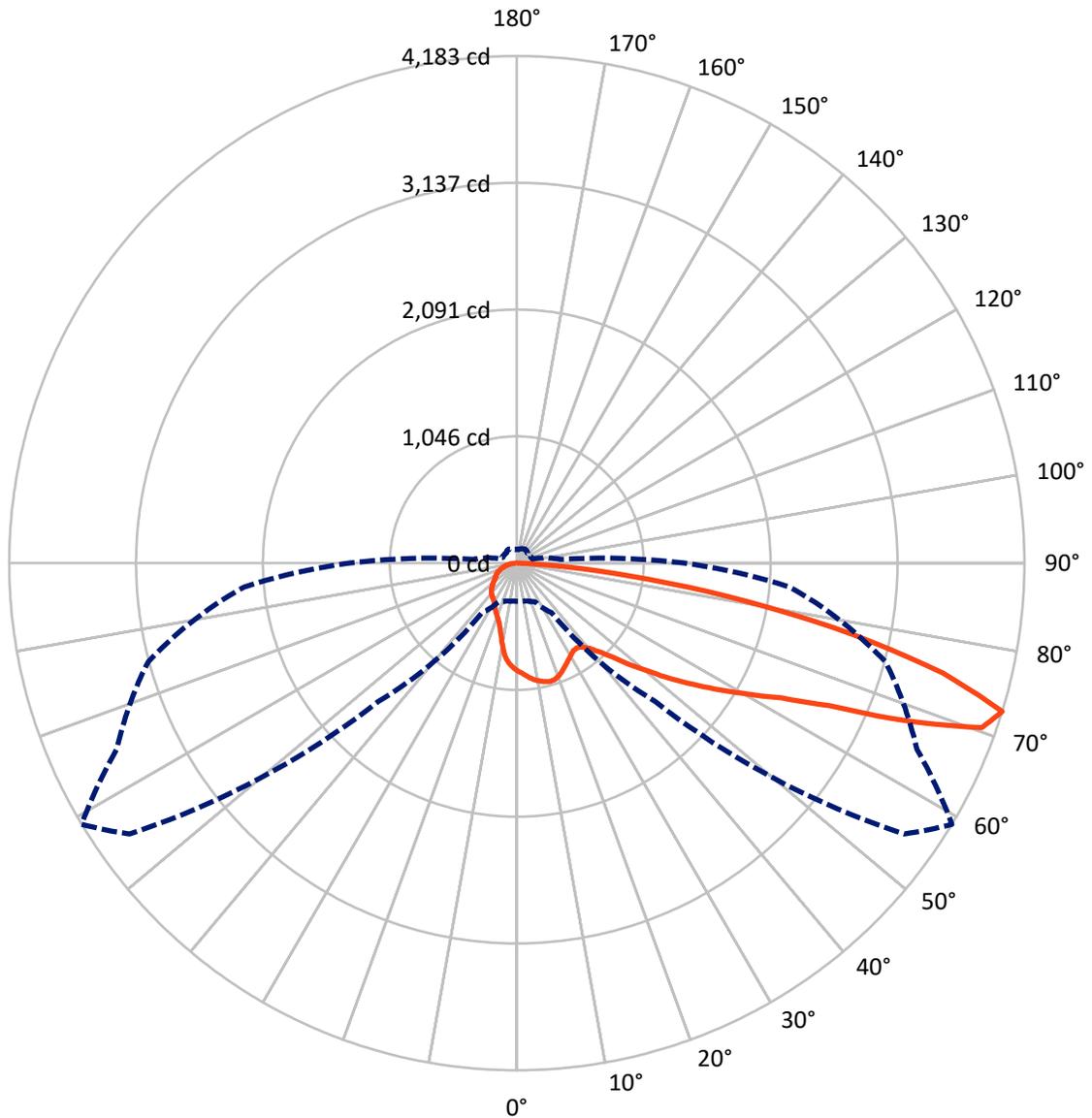


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

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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	803.5	0.0	803.5
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	3918.5	0.0	3918.5
	% Fixture	83.0	0.0	83.0
Total	Lumens	4722.0	0.0	4722.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.7
10°-20°	204.0	4.3
20°-30°	300.0	6.4
30°-40°	412.2	8.7
40°-50°	615.6	13.0
50°-60°	938.2	19.9
60°-70°	1202.5	25.5
70°-80°	831.3	17.6
80°-90°	138.3	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°	4722.0	100.0
0°-180°	4722.0	100.0



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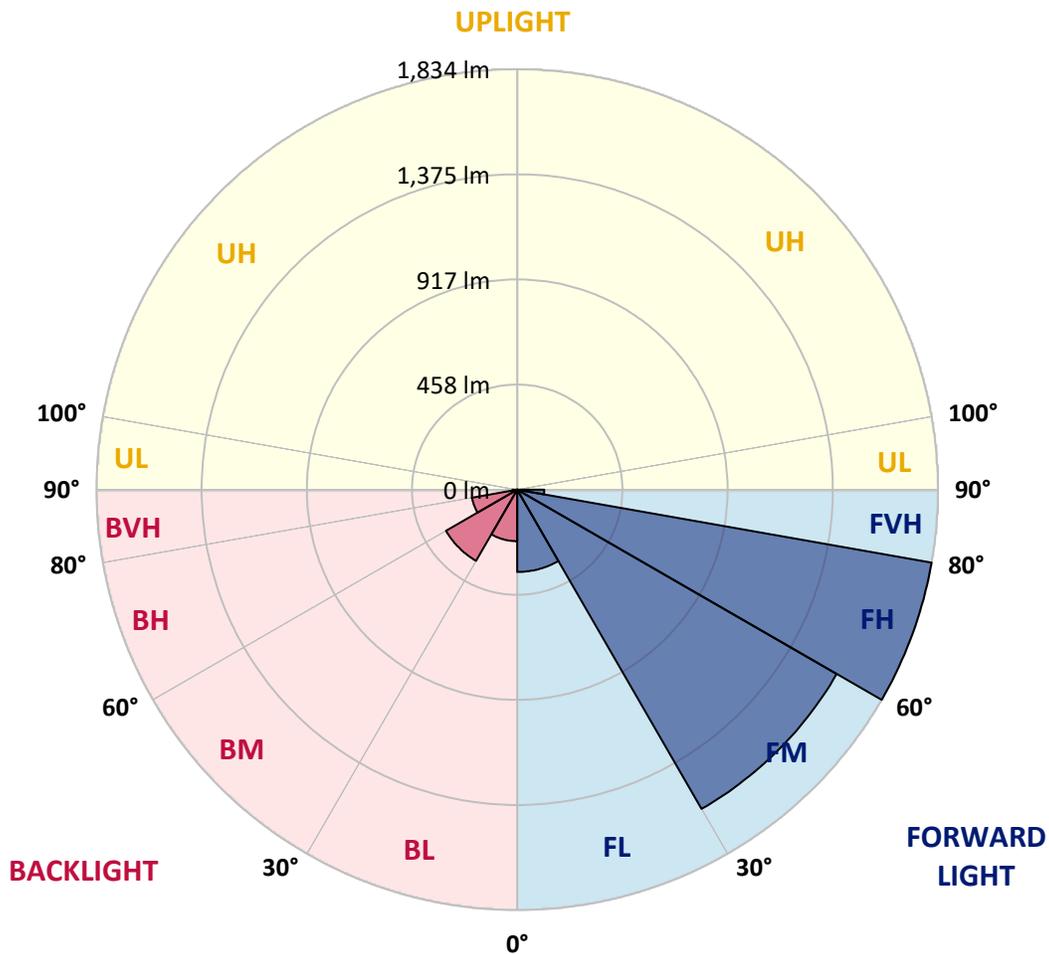
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.0	7.6			
FM	(30°-60°)	1607.7	34.0			
FH	(60°-80°)	1833.9	38.8			G2/5000
FVH	(80°-90°)	118.0	2.5			G2/225
BL	(0°-30°)	224.8	4.8	B1/500		
BM	(30°-60°)	358.4	7.6	B1/1000		
BH	(60°-80°)	200.0	4.2	B1/500		G1/500
BVH	(80°-90°)	20.3	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°	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0
2.5°	927.0	924.4	925.7	927.7	922.4	923.1	916.5	911.3	907.4	904.8	898.9
5°	949.9	943.4	946.0	951.9	946.0	951.2	944.0	940.1	933.6	929.6	916.5
7.5°	930.9	926.4	932.9	948.0	955.2	968.9	970.2	967.6	965.0	956.5	940.1
10°	843.2	840.6	857.6	897.6	930.9	964.3	986.6	986.6	987.9	982.0	962.4
12.5°	731.9	730.0	752.2	801.3	866.8	943.4	996.4	1002.3	1012.8	1010.8	985.9
15°	657.9	656.6	674.3	713.6	781.0	889.7	995.1	1014.7	1036.3	1040.9	1010.2
17.5°	620.0	620.0	632.4	662.5	709.0	815.1	966.3	1009.5	1053.4	1075.0	1037.7
20°	609.5	608.2	615.4	633.7	665.8	748.3	923.1	991.2	1066.5	1102.5	1055.3
22.5°	614.7	613.4	616.0	625.2	643.5	703.8	876.6	963.7	1073.7	1126.7	1071.0
25°	640.3	639.0	635.7	635.0	639.0	682.8	829.5	932.9	1080.9	1161.4	1090.0
27.5°	690.0	686.1	675.0	664.5	654.0	678.2	799.4	905.4	1090.0	1190.2	1101.8
30°	754.2	752.9	739.1	719.5	684.8	688.7	780.4	879.9	1090.0	1212.4	1101.2
32.5°	801.3	802.0	799.4	787.6	738.5	712.3	773.2	858.9	1088.1	1243.2	1103.8
35°	851.1	851.1	844.5	844.5	812.4	758.1	783.6	857.0	1099.2	1294.3	1122.8
37.5°	935.5	934.2	920.5	906.7	883.1	832.1	814.4	875.9	1130.0	1376.1	1148.3
40°	1046.8	1049.4	1021.3	983.3	955.8	917.8	872.0	924.4	1177.8	1473.7	1181.0
42.5°	1181.0	1188.2	1144.4	1092.0	1044.2	994.4	952.5	1001.6	1262.2	1612.5	1237.3
45°	1346.0	1338.8	1283.8	1213.8	1150.9	1066.5	1040.9	1101.8	1372.2	1800.3	1323.7
47.5°	1489.4	1493.3	1425.9	1349.3	1271.4	1154.2	1152.9	1248.5	1517.5	1992.8	1423.3
50°	1628.8	1640.6	1566.0	1485.4	1402.3	1252.4	1294.3	1393.8	1673.3	2189.2	1546.3
52.5°	1738.1	1746.0	1676.6	1607.2	1524.7	1382.0	1461.2	1580.4	1831.1	2377.1	1687.7
55°	1824.6	1835.7	1757.8	1700.2	1637.3	1523.4	1652.4	1764.3	1994.8	2551.9	1832.4
57.5°	1941.7	1948.3	1850.1	1799.7	1740.8	1684.5	1862.5	1971.2	2170.2	2700.5	1982.3
60°	2031.4	2035.4	1933.9	1918.2	1916.9	1906.4	2096.3	2193.1	2335.2	2839.3	2135.5
62.5°	1953.5	1953.5	1883.5	1927.3	2086.4	2271.0	2420.3	2449.1	2505.4	2974.2	2282.8
65°	1547.6	1563.4	1571.2	1718.5	2074.0	2644.2	2957.8	2830.8	2718.2	3097.9	2403.3
67.5°	812.4	843.9	916.5	1170.5	1710.0	2780.4	3646.5	3478.3	3020.0	3181.0	2450.4
70°	413.8	422.9	460.9	603.0	1076.3	2422.3	4055.7	4065.5	3380.1	3217.0	2416.4
72.5°	314.2	314.2	322.8	350.9	497.5	1615.7	3895.3	4182.7	3638.0	3144.4	2256.0
75°	261.9	265.1	282.2	286.1	251.4	838.6	3159.4	3628.8	3363.7	2877.9	1970.6
77.5°	210.1	212.1	239.0	254.7	169.6	358.8	2303.8	2832.1	2593.8	2326.0	1387.9
80°	158.4	161.7	185.9	218.0	125.7	172.2	1552.2	1937.2	1622.9	1425.9	640.9
82.5°	106.1	107.4	127.0	172.2	93.0	95.6	914.6	1085.4	788.9	534.2	168.3
85°	64.8	66.1	79.2	111.3	61.5	51.1	405.9	419.6	249.4	127.0	60.2
87.5°	29.5	32.7	41.2	53.7	30.8	20.9	68.1	66.8	49.1	45.8	25.5
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°	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0	889.0
2.5°	890.4	883.1	875.9	866.1	857.6	843.2	833.4	823.6	818.3	817.0	815.1
5°	906.1	893.6	872.7	845.2	815.1	781.0	748.9	720.8	701.8	695.9	698.5
7.5°	924.4	906.7	865.5	812.4	751.6	684.8	628.5	591.8	568.9	555.8	558.4
10°	940.8	915.2	849.8	760.7	656.6	572.8	528.3	502.8	491.0	489.7	489.0
12.5°	957.1	923.7	825.5	686.7	571.5	505.4	483.1	475.9	474.6	475.9	475.3
15°	976.1	928.3	784.3	610.2	511.3	477.3	470.1	468.1	468.7	472.0	471.4
17.5°	991.8	926.4	720.1	540.8	479.2	463.5	457.0	453.7	457.0	462.9	462.9
20°	997.1	907.4	646.2	492.3	461.5	448.4	439.3	434.0	438.0	445.2	446.5
22.5°	993.1	871.4	570.2	458.3	443.2	430.8	421.0	415.7	417.7	422.9	423.6
25°	987.2	824.2	503.4	432.1	419.6	409.8	407.2	400.7	397.4	400.7	401.3
27.5°	969.6	762.0	448.4	405.2	393.5	394.8	393.5	387.6	383.0	382.3	383.6
30°	930.3	675.6	407.2	377.7	373.8	381.0	381.0	372.5	364.0	362.7	364.7
32.5°	883.1	587.2	373.2	354.8	362.7	366.6	366.6	359.4	350.9	345.7	348.3
35°	836.7	503.4	347.0	339.1	354.2	357.4	354.2	351.6	337.8	324.7	328.0
37.5°	783.0	431.4	324.1	327.3	344.4	345.7	345.7	336.5	318.2	307.0	309.7
40°	724.7	377.1	305.1	316.9	333.9	333.9	328.6	322.8	313.6	302.5	303.8
42.5°	687.4	340.4	290.7	305.7	317.5	321.4	309.7	314.2	306.4	294.6	295.9
45°	682.2	317.5	278.9	288.7	299.2	297.9	298.5	301.8	294.6	278.9	278.2
47.5°	714.2	310.3	267.8	269.7	278.9	283.5	287.4	288.7	278.2	261.2	258.6
50°	785.6	322.8	256.6	252.7	260.6	271.0	275.0	276.9	264.5	246.8	244.2
52.5°	895.6	361.4	246.8	238.3	237.6	256.0	267.1	272.3	252.7	233.7	232.4
55°	1017.4	413.8	233.7	225.9	218.7	244.2	260.6	266.5	241.6	216.7	214.7
57.5°	1147.0	475.9	218.7	213.4	204.9	233.1	248.8	253.4	224.6	196.4	195.1
60°	1282.5	531.6	204.3	199.7	195.1	218.0	234.4	235.7	208.8	180.7	179.4
62.5°	1404.9	569.6	190.5	185.3	185.3	200.3	217.4	216.0	192.5	166.3	165.0
65°	1495.3	565.0	178.1	171.5	174.1	181.3	196.4	191.8	174.8	152.5	151.2
67.5°	1531.9	516.5	166.3	159.1	159.7	161.7	174.1	170.9	157.1	138.8	138.1
70°	1494.0	429.5	151.2	142.1	140.8	141.4	153.8	148.0	138.1	126.4	125.7
72.5°	1380.7	360.1	134.2	126.4	123.7	121.8	132.2	129.6	122.4	112.6	113.3
75°	1210.5	311.0	115.9	110.6	106.1	104.1	112.6	111.3	106.1	99.5	99.5
77.5°	845.8	227.2	95.6	93.6	91.0	87.1	93.6	94.3	91.0	89.0	88.4
80°	366.6	127.0	75.3	76.6	73.3	70.7	75.9	76.6	79.2	76.6	77.3
82.5°	106.1	62.8	54.3	58.3	57.0	54.3	57.0	62.8	58.9	51.7	53.0
85°	39.3	30.1	34.0	36.7	34.7	27.5	36.0	41.2	37.3	34.7	35.4
87.5°	15.1	11.1	14.4	12.4	9.8	7.2	12.4	13.7	18.3	7.2	5.9
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)