

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: P1207951

Luminaire Tested: UPW-SA1-030-827-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-827-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 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: 3740 lumens
Efficiency: N/A
Efficacy: 110.0 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

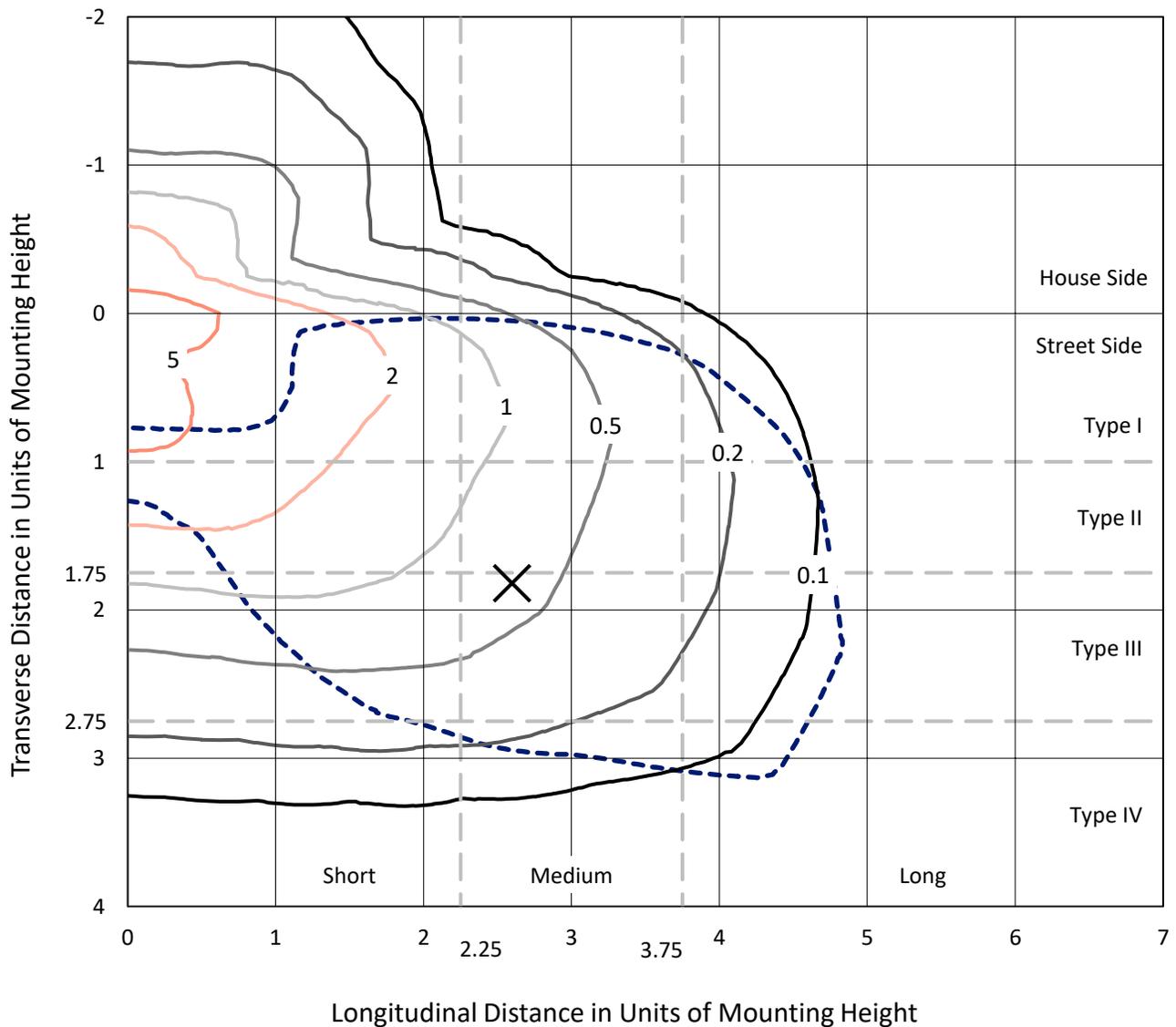


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Iso-Footcandle Lines of Horizontal Illumination

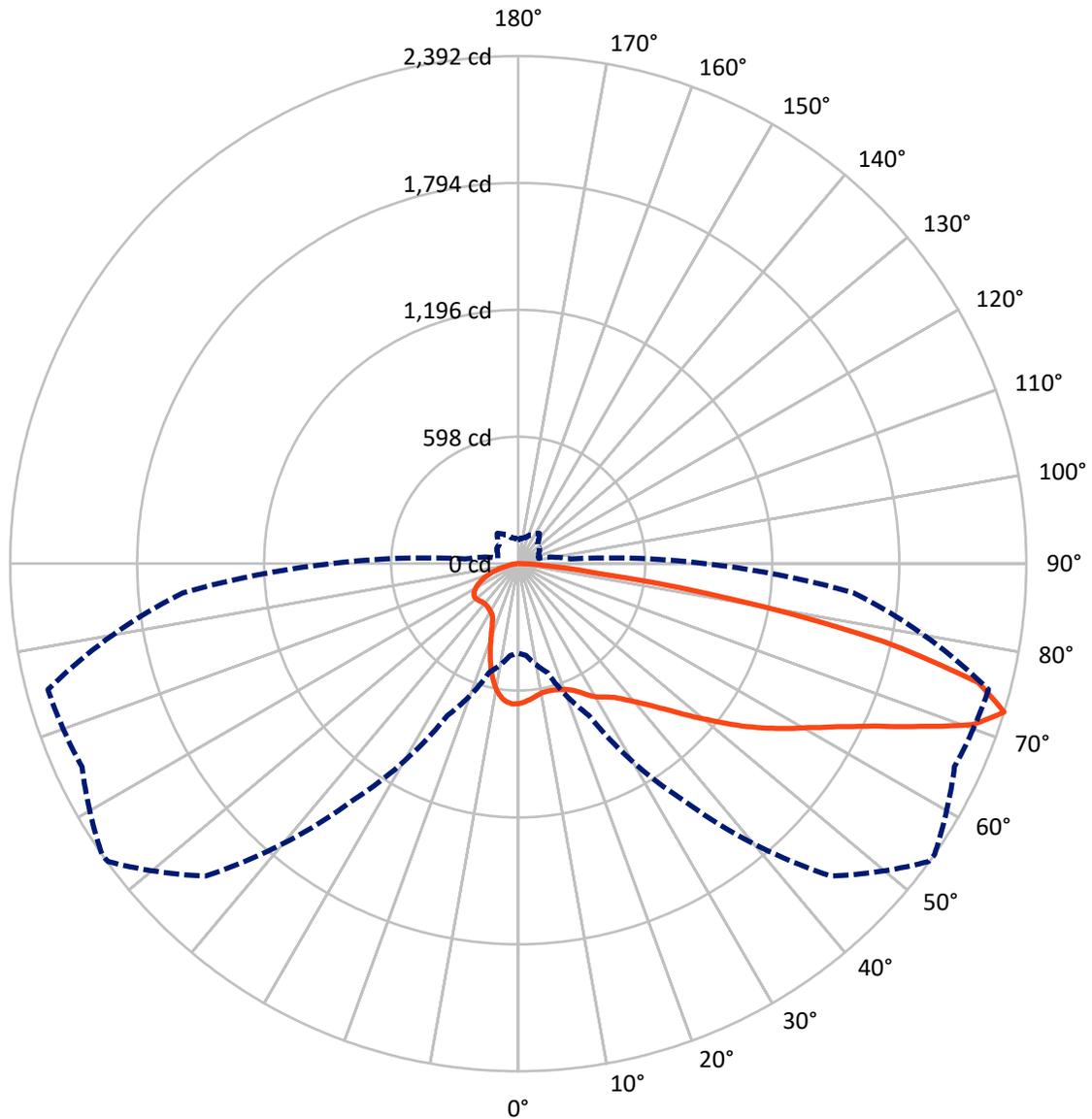
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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	695.1	0.0	695.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3044.9	0.0	3044.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	3740.0	0.0	3740.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	1.6
10°-20°	158.9	4.2
20°-30°	262.0	7.0
30°-40°	387.6	10.4
40°-50°	541.0	14.5
50°-60°	704.4	18.8
60°-70°	865.7	23.1
70°-80°	678.6	18.1
80°-90°	82.1	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°	3740.0	100.0
0°-180°	3740.0	100.0



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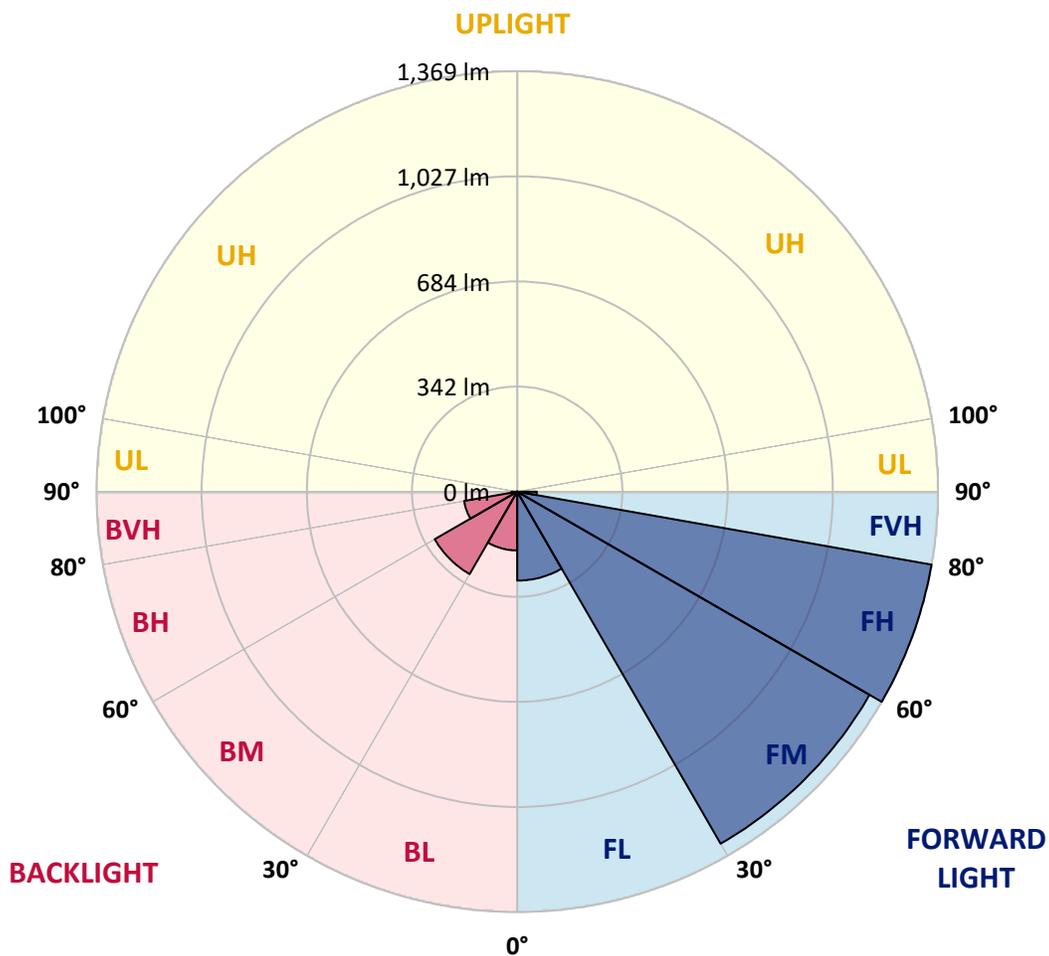
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.4	7.7			
FM	(30°-60°)	1323.3	35.4			
FH	(60°-80°)	1368.7	36.6			G1/1800
FVH	(80°-90°)	63.5	1.7			G1/100
BL	(0°-30°)	191.3	5.1	B1/500		
BM	(30°-60°)	309.7	8.3	B1/1000		
BH	(60°-80°)	175.6	4.7	B1/500		G1/500
BVH	(80°-90°)	18.6	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°	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7
2.5°	638.2	636.7	638.6	641.2	644.1	648.0	650.3	651.3	655.2	656.8	660.0
5°	608.6	607.9	611.0	615.6	622.0	631.1	638.4	639.8	650.2	657.5	664.2
7.5°	587.1	587.1	590.8	596.2	603.4	615.7	626.1	627.9	645.5	661.3	673.7
10°	570.1	570.7	575.0	581.5	589.9	602.9	616.7	618.9	644.2	670.1	689.8
12.5°	558.7	560.2	564.2	570.0	580.5	596.2	613.7	616.6	646.9	682.8	709.3
15°	565.9	568.5	568.8	571.2	577.0	594.2	615.4	618.5	652.6	695.7	731.4
17.5°	597.5	598.4	594.5	589.4	586.6	597.6	620.7	623.9	659.4	708.4	752.6
20°	645.5	645.0	636.5	622.9	608.7	610.5	629.5	632.7	668.6	719.7	773.9
22.5°	706.1	704.4	691.4	666.2	642.1	632.0	644.7	647.5	682.5	735.7	796.6
25°	779.7	775.7	758.6	724.8	689.3	663.3	667.7	670.4	702.7	753.6	817.4
27.5°	857.2	853.3	831.5	790.7	743.4	702.9	699.4	701.7	725.7	766.9	832.8
30°	938.3	934.2	914.2	868.5	800.8	743.8	729.0	729.9	741.9	774.1	845.5
32.5°	1019.8	1015.9	993.5	940.5	863.0	787.7	750.4	749.2	751.6	781.6	859.8
35°	1102.4	1103.9	1077.8	1019.0	932.0	836.6	775.6	773.2	767.9	796.8	880.0
37.5°	1190.8	1189.8	1156.0	1094.6	1004.1	889.7	811.9	811.5	793.2	825.8	911.7
40°	1250.0	1250.6	1230.0	1171.9	1077.0	948.4	858.4	857.5	833.5	869.1	953.2
42.5°	1273.1	1277.2	1282.6	1245.7	1153.3	1016.5	913.8	912.6	889.7	931.2	1002.1
45°	1274.7	1283.1	1315.9	1311.2	1230.6	1094.5	984.7	981.1	964.7	1013.9	1060.5
47.5°	1260.6	1269.2	1323.7	1350.3	1299.7	1176.7	1067.6	1064.8	1050.6	1117.2	1123.6
50°	1229.6	1237.8	1307.6	1369.3	1356.6	1255.8	1163.1	1155.7	1148.1	1236.6	1195.9
52.5°	1171.6	1187.4	1286.0	1373.9	1390.6	1326.0	1263.5	1258.7	1262.8	1362.5	1268.3
55°	1034.3	1052.0	1230.3	1370.1	1415.7	1385.0	1363.9	1363.7	1385.3	1494.6	1346.0
57.5°	957.4	969.9	1116.8	1363.7	1445.5	1443.6	1463.3	1465.7	1507.8	1638.5	1427.3
60°	913.9	927.1	1059.3	1339.8	1491.7	1519.4	1564.8	1569.6	1632.3	1797.8	1525.2
62.5°	874.4	888.8	1023.7	1291.1	1546.2	1627.8	1686.3	1690.6	1764.2	1961.5	1619.8
65°	806.8	823.1	971.5	1259.2	1595.7	1769.1	1840.8	1843.7	1915.7	2133.1	1692.2
67.5°	711.3	726.2	873.1	1188.6	1632.3	1940.8	2046.2	2047.8	2065.9	2254.2	1729.2
70°	599.8	605.5	732.9	1042.8	1589.0	2101.4	2271.3	2271.7	2202.8	2331.8	1723.2
72.5°	421.4	434.8	532.1	789.4	1365.5	2081.8	2388.1	2392.4	2266.5	2292.6	1585.5
75°	258.5	272.6	333.7	478.4	866.3	1637.3	2206.5	2236.3	2147.1	2044.1	1295.2
77.5°	172.8	178.1	217.8	278.9	392.5	942.0	1696.4	1752.5	1783.7	1490.7	828.3
80°	96.4	106.5	144.4	173.3	174.6	374.3	1017.1	1030.3	992.4	593.6	255.6
82.5°	51.0	56.6	96.4	101.8	95.2	125.3	379.1	379.5	317.1	159.2	75.9
85°	39.5	44.2	66.1	62.2	48.6	55.6	125.1	131.9	107.9	65.2	24.8
87.5°	19.7	24.5	44.8	39.4	19.1	15.9	44.7	47.7	42.6	25.5	9.0
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°	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7	659.7
2.5°	661.3	662.4	663.8	662.3	661.8	659.8	656.4	655.6	653.8	654.0	655.0
5°	667.1	669.0	668.2	662.4	655.5	645.8	635.7	627.1	621.4	621.0	620.6
7.5°	678.2	679.5	673.6	657.0	637.5	615.1	593.8	575.3	564.0	561.3	560.6
10°	695.7	695.4	679.1	645.8	607.0	566.8	532.7	506.9	491.9	487.5	486.3
12.5°	715.1	712.2	681.0	625.3	563.8	508.1	464.9	436.2	420.5	415.5	414.2
15°	735.2	728.0	676.3	594.7	510.7	444.8	399.4	372.9	364.4	361.7	361.2
17.5°	753.9	740.0	662.9	553.3	450.2	381.7	346.4	335.8	337.8	341.4	341.6
20°	772.2	748.1	641.5	501.0	386.4	329.8	317.8	325.7	335.3	342.7	343.7
22.5°	790.3	753.8	613.8	440.6	329.3	300.6	309.1	323.4	334.4	342.5	343.8
25°	805.4	755.2	575.7	376.2	289.7	289.7	304.9	318.5	329.3	337.3	338.7
27.5°	811.0	745.8	521.8	316.6	269.7	284.6	299.1	310.4	319.6	328.1	329.6
30°	813.1	728.5	459.7	268.7	261.5	279.2	291.3	300.9	309.6	317.6	319.0
32.5°	813.5	707.7	393.7	241.5	255.8	273.5	281.6	290.0	299.4	302.5	303.0
35°	815.9	683.0	324.3	227.6	250.5	268.2	274.6	280.7	265.5	266.7	267.7
37.5°	822.9	658.6	266.2	219.8	247.1	265.4	273.1	251.1	239.3	236.5	236.1
40°	835.9	632.6	223.1	213.5	245.8	266.8	263.4	234.5	214.0	198.7	196.4
42.5°	853.9	604.6	195.5	209.3	246.7	273.5	249.9	218.4	184.4	174.6	173.3
45°	874.3	575.1	180.6	206.4	249.7	278.7	247.1	197.1	170.7	163.2	162.6
47.5°	894.0	539.1	172.9	205.1	253.9	274.5	235.3	190.5	164.1	160.2	160.6
50°	916.6	506.7	168.3	203.8	257.6	271.8	222.1	187.1	161.6	166.4	171.4
52.5°	935.7	473.1	164.1	201.0	259.0	267.2	218.7	187.7	161.6	170.8	175.6
55°	958.3	447.7	159.3	195.2	256.3	253.9	216.3	191.5	163.5	157.7	158.2
57.5°	987.5	439.3	154.0	186.1	247.5	234.6	215.1	195.2	162.3	158.7	159.9
60°	1027.9	448.2	151.8	174.2	233.7	219.4	215.3	193.3	154.4	148.0	148.2
62.5°	1066.4	458.0	151.7	166.7	216.8	205.9	212.3	187.1	150.3	146.7	148.0
65°	1079.0	448.1	145.6	158.4	197.7	189.7	207.0	180.5	147.3	141.7	141.5
67.5°	1062.1	417.1	133.4	144.9	175.8	170.9	200.1	172.7	142.5	137.9	137.2
70°	1011.8	348.0	118.2	127.1	151.0	149.7	189.1	163.6	136.0	132.1	128.8
72.5°	876.6	248.0	99.7	105.7	122.9	127.0	173.9	151.7	127.0	118.5	113.4
75°	719.9	183.5	81.9	83.1	93.4	104.3	153.1	137.8	116.2	101.8	97.9
77.5°	440.9	112.3	65.2	65.7	67.0	83.2	126.1	122.3	102.6	84.9	82.1
80°	142.7	61.3	47.1	49.5	45.7	61.0	97.5	104.1	88.0	71.0	68.0
82.5°	54.3	35.7	31.8	33.5	31.7	40.9	71.1	83.4	72.1	58.4	47.5
85°	26.3	20.2	18.8	21.1	19.6	21.0	45.5	61.4	54.7	38.0	35.4
87.5°	9.3	9.0	7.2	9.7	8.3	7.5	13.9	30.9	36.1	26.1	23.4
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)