

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: P1207866

Luminaire Tested: UPW-SA1-030-740-U-T2R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-740-U-T2R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5185 lumens  
Efficiency: N/A  
Efficacy: 152.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
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

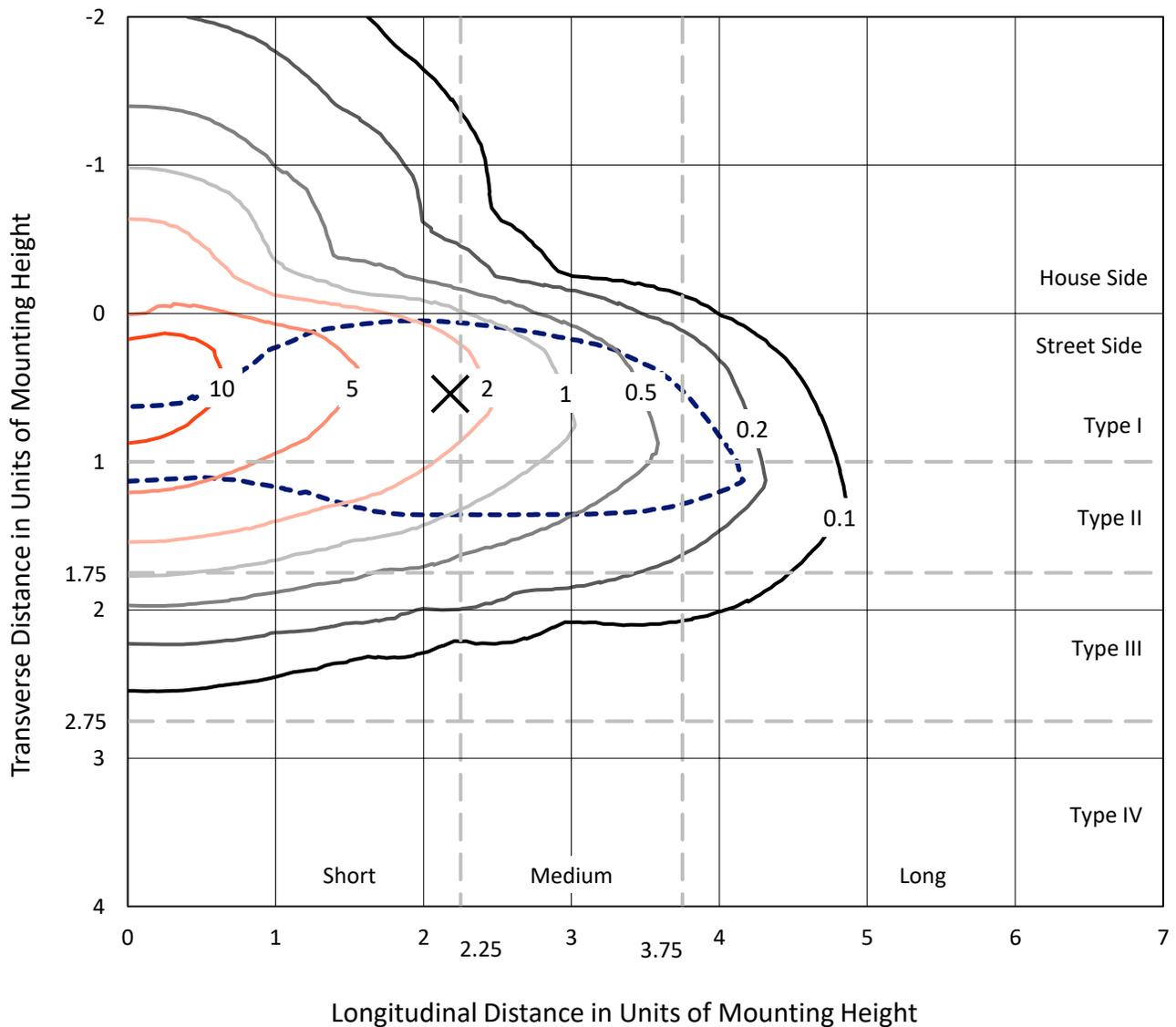


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

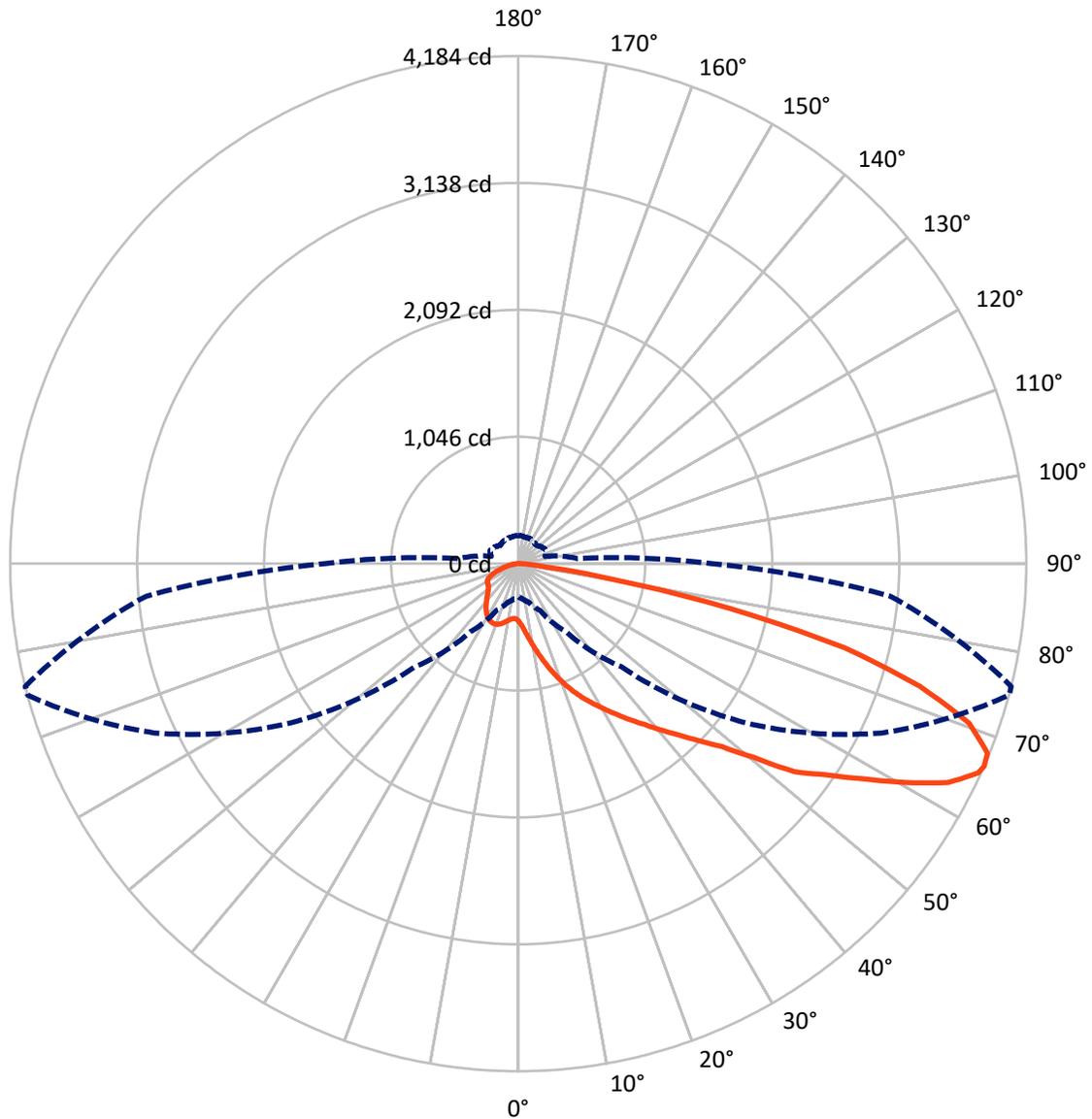


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	872.5	0.0	872.5
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	4312.5	0.0	4312.5
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	5185.0	0.0	5185.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.3	1.1
10°-20°	226.1	4.4
20°-30°	439.4	8.5
30°-40°	717.2	13.8
40°-50°	979.9	18.9
50°-60°	1141.3	22.0
60°-70°	1023.2	19.7
70°-80°	517.1	10.0
80°-90°	83.5	1.6
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°	5185.0	100.0
0°-180°	5185.0	100.0



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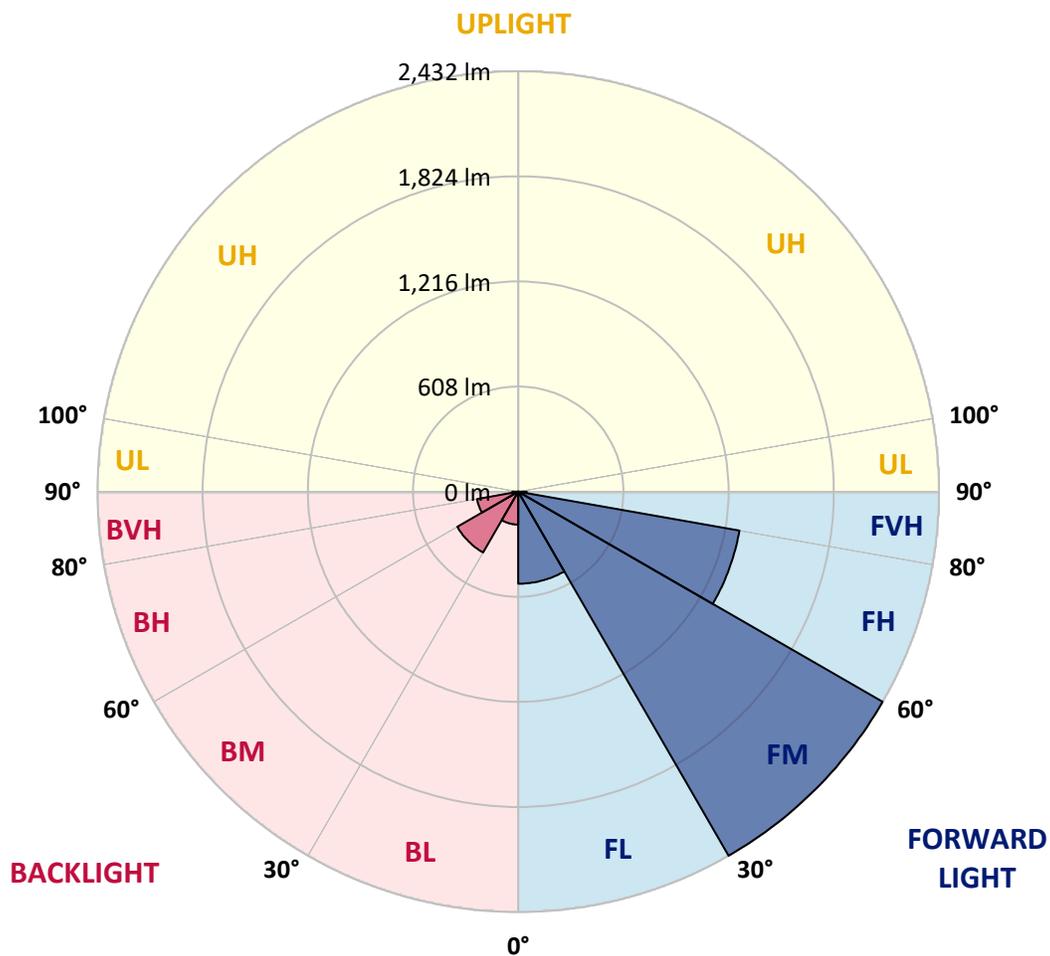
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.5	10.3			
FM (30°-60°)	2432.1	46.9			
FH (60°-80°)	1298.6	25.0			G1/1800
FVH (80°-90°)	49.3	1.0			G1/100
BL (0°-30°)	190.3	3.7	B1/500		
BM (30°-60°)	406.3	7.8	B1/1000		
BH (60°-80°)	241.7	4.7	B1/500		G1/500
BVH (80°-90°)	34.2	0.7			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5
2.5°	628.6	619.1	618.2	604.3	601.1	574.5	555.0	534.6	511.4	506.8	488.5
5°	807.4	806.5	794.4	771.7	753.9	708.5	663.6	616.1	564.0	555.5	514.3
7.5°	968.3	966.9	957.6	933.1	907.4	851.6	787.5	714.7	630.2	617.7	549.4
10°	1090.5	1089.9	1086.8	1068.8	1047.0	993.5	922.7	823.3	707.1	690.0	593.2
12.5°	1184.8	1185.9	1188.0	1181.7	1171.3	1125.7	1053.2	938.4	789.1	772.2	642.0
15°	1248.7	1251.9	1262.8	1271.8	1277.2	1249.2	1179.0	1056.2	881.0	860.8	696.0
17.5°	1280.9	1284.5	1303.3	1330.4	1355.4	1352.6	1296.8	1168.5	969.2	949.7	754.1
20°	1308.7	1311.4	1332.5	1365.1	1409.3	1428.8	1397.5	1276.5	1065.8	1042.6	815.7
22.5°	1389.4	1392.7	1399.0	1417.5	1456.6	1492.5	1477.4	1378.8	1154.4	1132.7	874.1
25°	1545.0	1549.0	1535.3	1519.6	1527.0	1552.0	1554.8	1472.1	1244.1	1219.7	937.0
27.5°	1732.4	1738.2	1714.8	1674.5	1639.3	1629.6	1626.3	1548.5	1329.9	1301.5	999.1
30°	1916.0	1926.1	1895.6	1843.3	1778.7	1733.3	1699.7	1623.3	1414.4	1387.3	1057.7
32.5°	2095.4	2091.4	2047.2	1996.1	1920.4	1863.6	1782.3	1703.6	1509.4	1478.3	1116.0
35°	2218.3	2219.7	2178.7	2118.1	2045.9	2002.3	1892.8	1790.2	1606.4	1577.7	1182.2
37.5°	2322.8	2316.3	2269.8	2213.3	2151.2	2132.5	2022.2	1885.6	1711.5	1680.2	1252.6
40°	2357.7	2350.1	2319.7	2279.0	2229.2	2227.6	2164.9	1993.7	1830.3	1799.3	1332.0
42.5°	2336.6	2326.9	2314.4	2303.3	2288.0	2295.0	2299.1	2120.4	1960.9	1926.2	1423.9
45°	2258.6	2244.0	2252.8	2276.9	2310.2	2349.9	2420.2	2260.7	2107.2	2078.2	1531.8
47.5°	2138.7	2125.5	2153.0	2204.5	2295.0	2395.7	2534.8	2415.6	2281.8	2252.9	1685.4
50°	1970.1	1973.9	2013.2	2107.0	2243.8	2416.8	2675.9	2620.7	2535.6	2508.7	1895.1
52.5°	1693.4	1694.1	1804.6	1958.6	2153.0	2405.9	2754.3	2882.8	2882.2	2849.7	2094.7
55°	1436.4	1452.0	1539.5	1744.2	2005.8	2362.3	2809.0	3010.2	3109.8	3071.6	2280.8
57.5°	1185.4	1194.5	1277.4	1483.0	1795.8	2245.9	2865.2	3163.2	3372.1	3348.0	2512.1
60°	899.8	913.9	999.6	1189.6	1527.2	2039.4	2870.4	3322.8	3685.6	3661.3	2770.3
62.5°	584.1	608.3	688.6	866.6	1202.3	1742.5	2747.9	3427.2	3982.7	3974.1	2999.5
65°	335.7	354.0	409.8	547.1	829.4	1369.7	2456.6	3387.1	4165.6	4160.7	3085.2
66°	274.2	285.7	328.5	427.6	684.4	1202.8	2287.3	3302.4	4183.8	4183.9	3075.3
67.5°	219.3	224.4	243.6	306.1	505.0	953.4	1984.7	3115.6	4161.2	4167.4	3011.8
70°	181.5	184.1	190.1	205.2	275.7	574.9	1408.7	2630.3	3935.0	3939.8	2763.8
72.5°	162.8	164.4	166.7	168.8	194.5	321.2	860.4	2104.2	3450.1	3456.3	2385.8
75°	147.5	148.4	148.0	148.2	163.2	204.7	444.6	1571.0	2789.6	2777.3	1827.7
77.5°	129.6	130.4	128.7	129.0	144.3	157.4	221.3	1099.8	1882.6	1795.6	1029.7
80°	109.5	110.2	109.5	110.7	125.7	118.8	128.7	618.7	832.4	787.4	366.1
82.5°	82.7	85.7	87.8	92.8	103.5	84.5	86.1	241.0	253.5	241.3	112.3
85°	36.3	44.2	66.2	70.9	77.8	50.7	56.5	98.2	103.2	100.0	40.8
87.5°	9.5	10.4	32.7	41.2	43.1	22.9	29.4	44.7	47.2	44.7	13.6
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°	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5
2.5°	478.8	470.2	454.7	440.9	430.6	423.5	416.5	413.0	410.8	408.7	409.1
5°	494.1	476.7	450.1	431.3	420.7	414.0	410.5	409.1	408.2	406.1	406.1
7.5°	517.2	492.5	455.9	436.5	428.3	423.2	421.1	420.3	419.3	416.8	417.2
10°	546.2	511.7	468.1	449.2	441.6	436.0	433.0	432.0	430.0	427.2	427.6
12.5°	580.4	535.5	484.1	464.4	455.2	447.6	442.7	439.7	436.4	432.7	432.8
15°	617.7	561.3	501.3	477.9	465.4	454.8	446.9	441.8	436.5	432.0	431.8
17.5°	655.5	586.3	514.5	485.3	468.4	454.5	443.8	435.8	429.3	423.7	423.2
20°	696.4	608.9	521.9	484.6	462.8	446.2	432.0	422.1	414.9	409.3	408.4
22.5°	737.9	630.0	523.1	477.4	450.3	430.0	415.1	404.2	396.8	391.0	388.8
25°	775.9	646.4	518.0	463.5	432.8	411.0	396.4	385.3	379.3	372.5	370.4
27.5°	810.6	657.8	507.8	445.7	413.3	391.8	378.1	368.6	362.1	356.8	355.0
30°	841.8	664.0	491.1	424.6	393.2	373.7	362.1	355.6	349.9	343.2	342.0
32.5°	871.3	664.0	469.6	401.5	373.3	357.7	350.8	346.8	340.4	333.9	332.2
35°	900.9	659.9	444.3	377.4	355.0	346.2	345.9	341.1	331.5	322.7	320.4
37.5°	932.1	651.6	415.8	354.9	340.1	341.1	344.1	333.6	319.8	307.3	304.0
40°	967.3	640.2	386.2	335.3	327.6	338.8	339.4	322.7	295.9	284.5	281.5
42.5°	1008.6	628.8	358.7	318.1	317.7	332.0	330.4	299.1	283.0	277.2	275.7
45°	1063.0	622.2	332.7	301.7	310.0	320.9	315.1	286.0	279.4	276.0	274.6
47.5°	1148.7	625.6	308.7	288.7	302.2	309.8	286.6	280.8	276.0	272.0	270.6
50°	1256.1	623.7	289.4	279.7	293.4	298.2	273.7	273.9	271.4	266.9	264.7
52.5°	1336.9	608.5	276.9	274.6	285.7	277.6	265.6	267.2	266.0	259.3	257.0
55°	1414.9	595.5	270.6	272.7	280.1	251.9	256.1	260.0	258.8	252.2	251.2
57.5°	1511.9	593.0	266.7	273.2	275.3	239.0	247.0	252.1	251.2	248.4	247.8
60°	1630.7	593.7	263.2	274.1	270.0	229.5	238.3	244.9	245.4	244.9	244.5
62.5°	1696.0	574.5	254.4	271.6	260.7	221.3	229.4	238.9	239.0	240.1	239.9
65°	1640.6	517.2	238.0	263.0	245.0	214.4	221.6	232.0	229.4	234.1	234.1
66°	1586.7	484.1	229.9	257.3	238.3	211.8	219.2	228.5	225.1	231.6	231.6
67.5°	1476.7	428.3	215.3	245.4	228.8	208.1	216.3	222.7	218.1	227.8	227.1
70°	1275.7	331.3	185.9	218.3	213.2	202.6	212.5	211.1	204.4	219.2	216.3
72.5°	1075.5	251.7	149.3	182.7	189.4	195.7	207.0	196.3	187.8	198.2	192.0
75°	834.5	189.2	117.9	142.1	160.0	185.0	200.5	179.2	167.0	166.0	162.6
77.5°	451.2	129.9	93.5	108.4	127.1	171.6	196.1	160.9	142.6	138.4	135.7
80°	178.7	84.5	67.9	82.2	88.9	152.3	185.5	139.6	117.6	113.4	109.3
82.5°	73.8	50.0	43.8	55.1	57.9	130.3	166.5	114.4	90.8	125.7	133.4
85°	31.7	27.5	26.1	28.5	32.7	91.4	132.5	87.3	98.0	87.5	69.5
87.5°	9.5	11.6	11.1	10.9	12.0	21.8	70.6	48.6	72.0	27.3	20.4
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)