

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: P1208055

Luminaire Tested: UPW-SA1-040-730-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5791 lumens
Efficiency: N/A
Efficacy: 131.6 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): 44
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

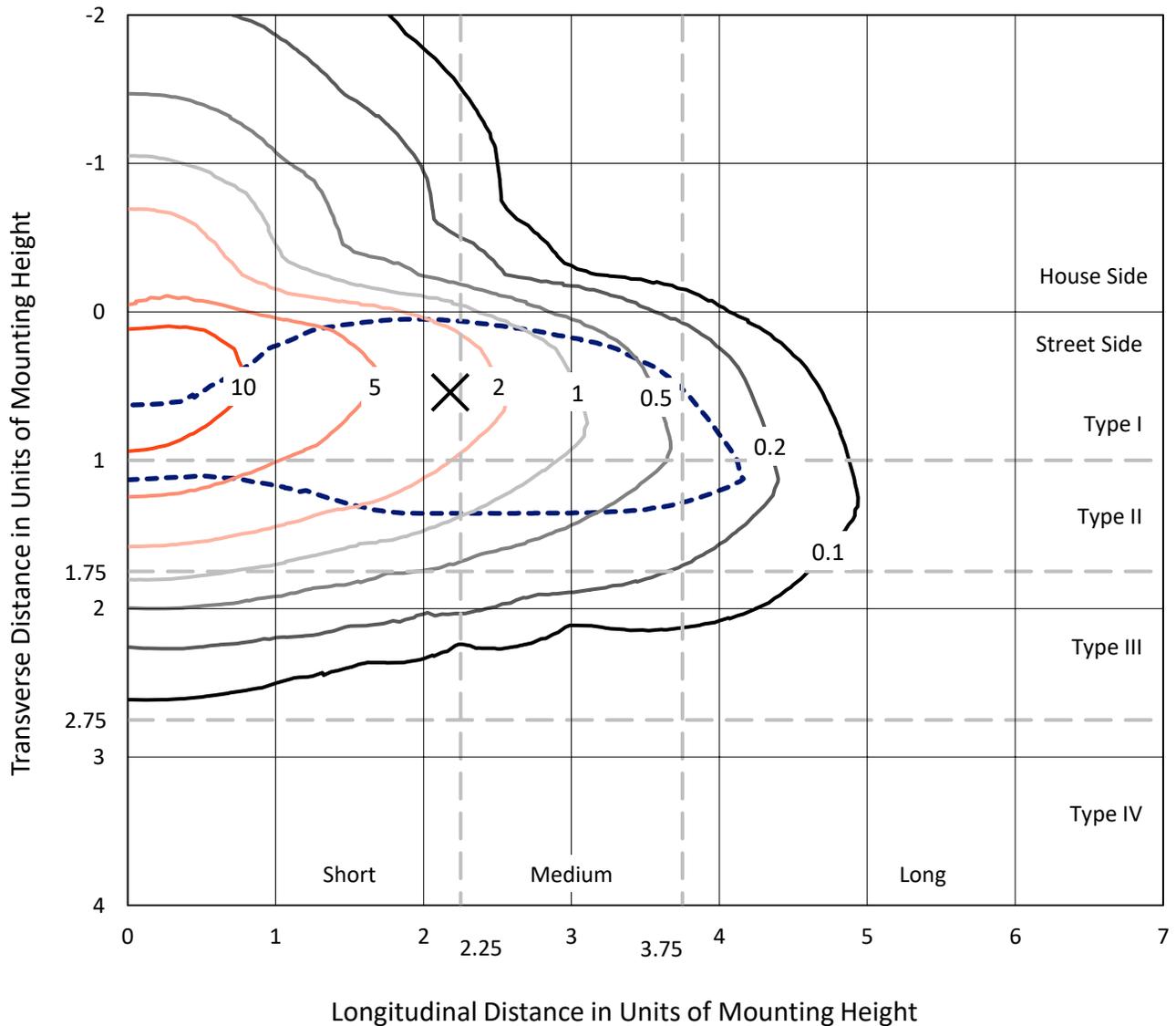


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Iso-Footcandle Lines of Horizontal Illumination

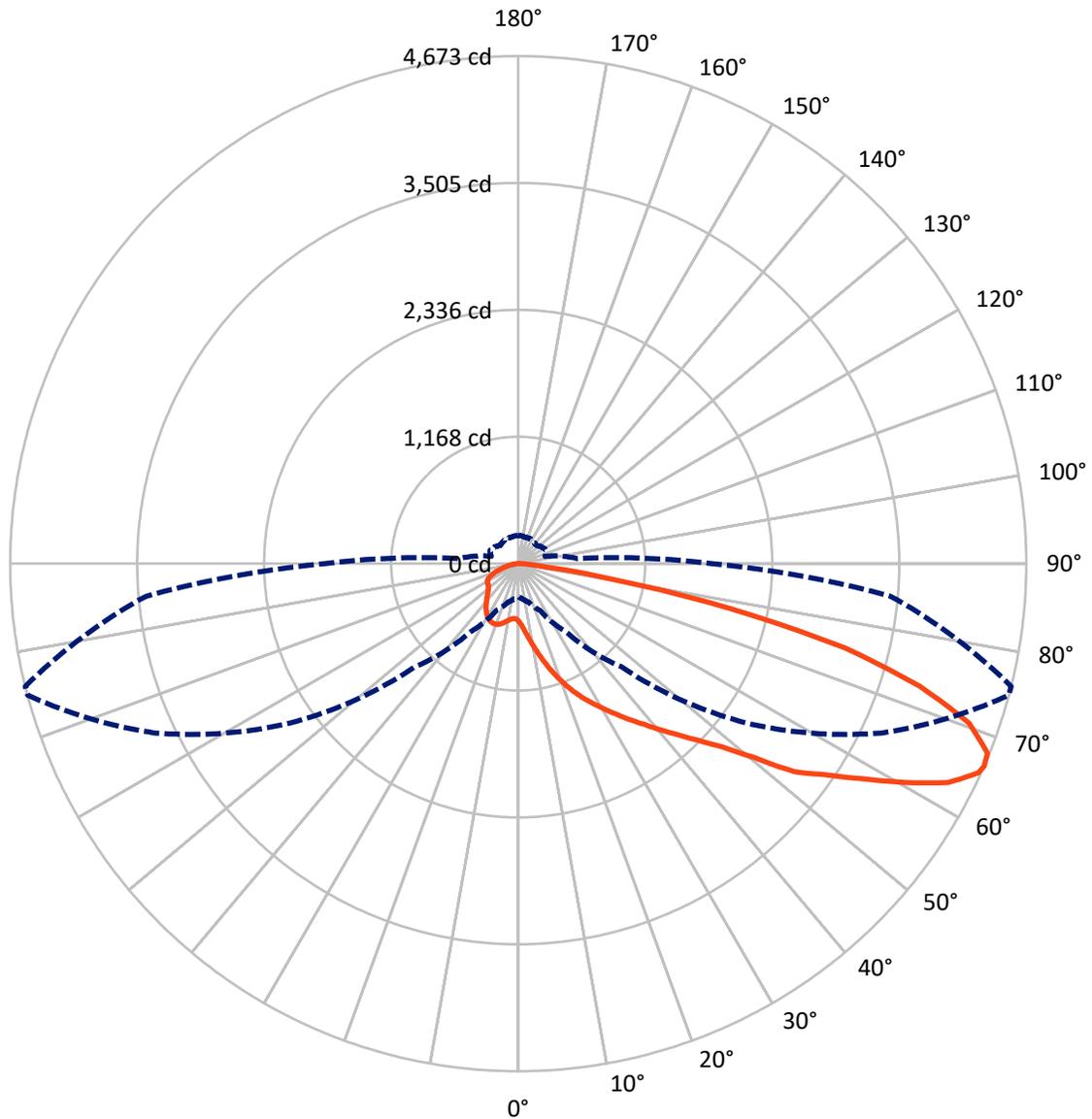
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 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
House Side	Lumens	974.4	0.0	974.4
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	4816.6	0.0	4816.6
	% Fixture	83.2	0.0	83.2
Total	Lumens	5791.0	0.0	5791.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	1.1
10°-20°	252.5	4.4
20°-30°	490.8	8.5
30°-40°	801.0	13.8
40°-50°	1094.4	18.9
50°-60°	1274.7	22.0
60°-70°	1142.8	19.7
70°-80°	577.5	10.0
80°-90°	93.3	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°	5791.0	100.0
0°-180°	5791.0	100.0



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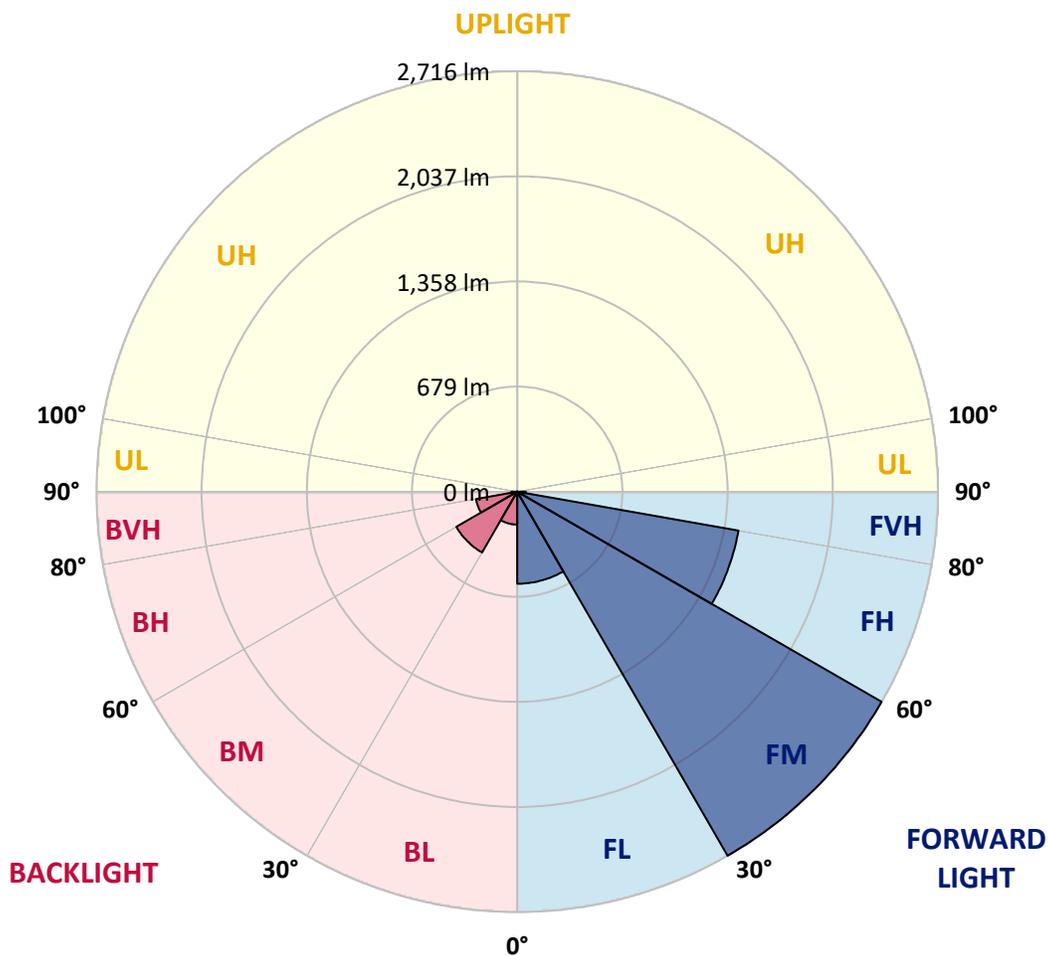
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.7	10.3			
FM (30°-60°)	2716.4	46.9			
FH (60°-80°)	1450.4	25.0			G1/1800
FVH (80°-90°)	55.1	1.0			G1/100
BL (0°-30°)	212.5	3.7	B1/500		
BM (30°-60°)	453.8	7.8	B1/1000		
BH (60°-80°)	270.0	4.7	B1/500		G1/500
BVH (80°-90°)	38.2	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°	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8
2.5°	702.1	691.4	690.5	674.9	671.4	641.7	619.9	597.1	571.1	566.0	545.6
5°	901.8	900.8	887.2	861.9	842.0	791.3	741.2	688.1	629.9	620.5	574.5
7.5°	1081.5	1079.9	1069.5	1042.2	1013.5	951.1	879.6	798.2	703.8	689.9	613.6
10°	1217.9	1217.3	1213.8	1193.7	1169.4	1109.6	1030.6	919.5	789.7	770.7	662.5
12.5°	1323.3	1324.5	1326.8	1319.8	1308.2	1257.2	1176.2	1048.1	881.3	862.5	717.0
15°	1394.7	1398.2	1410.4	1420.4	1426.5	1395.3	1316.8	1179.6	984.0	961.4	777.3
17.5°	1430.6	1434.6	1455.6	1485.9	1513.8	1510.7	1448.3	1305.0	1082.5	1060.6	842.2
20°	1461.7	1464.7	1488.2	1524.6	1574.0	1595.8	1560.8	1425.7	1190.4	1164.5	911.0
22.5°	1551.7	1555.5	1562.6	1583.2	1626.8	1667.0	1650.0	1540.0	1289.3	1265.1	976.3
25°	1725.5	1730.1	1714.7	1697.2	1705.5	1733.4	1736.6	1644.1	1389.6	1362.2	1046.5
27.5°	1934.9	1941.4	1915.3	1870.2	1830.9	1820.1	1816.4	1729.5	1485.3	1453.6	1115.9
30°	2140.0	2151.2	2117.2	2058.8	1986.6	1935.9	1898.4	1813.0	1579.7	1549.4	1181.4
32.5°	2340.3	2335.8	2286.4	2229.4	2144.9	2081.4	1990.6	1902.7	1685.8	1651.0	1246.4
35°	2477.5	2479.1	2433.3	2365.7	2285.1	2236.3	2114.0	1999.4	1794.2	1762.1	1320.4
37.5°	2594.3	2587.0	2535.1	2472.0	2402.6	2381.8	2258.5	2106.0	1911.5	1876.5	1399.0
40°	2633.2	2624.8	2590.8	2545.4	2489.7	2487.9	2418.0	2226.7	2044.2	2009.6	1487.7
42.5°	2609.6	2598.8	2584.9	2572.5	2555.4	2563.2	2567.8	2368.2	2190.1	2151.4	1590.3
45°	2522.6	2506.2	2516.1	2543.0	2580.2	2624.6	2703.0	2524.9	2353.5	2321.0	1710.8
47.5°	2388.7	2373.9	2404.6	2462.2	2563.2	2675.7	2831.0	2697.9	2548.5	2516.3	1882.4
50°	2200.3	2204.7	2248.5	2353.3	2506.0	2699.3	2988.7	2927.0	2832.0	2801.9	2116.6
52.5°	1891.3	1892.1	2015.5	2187.5	2404.6	2687.1	3076.2	3219.7	3219.1	3182.7	2339.5
55°	1604.2	1621.7	1719.4	1948.1	2240.2	2638.3	3137.3	3362.0	3473.3	3430.6	2547.3
57.5°	1323.9	1334.1	1426.7	1656.3	2005.7	2508.4	3200.0	3532.9	3766.2	3739.3	2805.7
60°	1005.0	1020.7	1116.5	1328.6	1705.7	2277.8	3205.9	3711.2	4116.4	4089.2	3094.1
62.5°	652.3	679.4	769.1	967.9	1342.8	1946.1	3069.1	3827.8	4448.2	4438.6	3350.0
65°	374.9	395.4	457.7	611.0	926.4	1529.7	2743.7	3782.9	4652.5	4647.0	3445.8
66°	306.3	319.1	366.9	477.5	764.4	1343.4	2554.6	3688.4	4672.7	4672.9	3434.8
67.5°	245.0	250.7	272.1	341.9	564.0	1064.8	2216.6	3479.8	4647.6	4654.5	3363.8
70°	202.7	205.6	212.3	229.2	307.9	642.1	1573.4	2937.8	4395.0	4400.3	3086.8
72.5°	181.9	183.6	186.2	188.5	217.2	358.8	961.0	2350.1	3853.3	3860.2	2664.7
75°	164.7	165.7	165.3	165.5	182.2	228.6	496.6	1754.6	3115.7	3101.9	2041.3
77.5°	144.7	145.7	143.7	144.1	161.2	175.8	247.1	1228.3	2102.6	2005.5	1150.1
80°	122.3	123.1	122.3	123.7	140.4	132.7	143.7	691.0	929.7	879.4	408.9
82.5°	92.4	95.7	98.1	103.6	115.6	94.4	96.1	269.1	283.1	269.5	125.4
85°	40.5	49.3	73.9	79.2	86.9	56.6	63.1	109.7	115.2	111.7	45.6
87.5°	10.6	11.6	36.6	46.0	48.2	25.6	32.8	49.9	52.7	49.9	15.1
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°	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8
2.5°	534.7	525.1	507.8	492.5	480.9	473.0	465.2	461.2	458.9	456.5	456.9
5°	551.9	532.4	502.7	481.7	469.9	462.4	458.5	456.9	455.9	453.6	453.6
7.5°	577.6	550.1	509.2	487.6	478.3	472.6	470.3	469.5	468.3	465.5	465.9
10°	610.0	571.5	522.8	501.7	493.3	487.0	483.6	482.5	480.3	477.1	477.5
12.5°	648.2	598.1	540.6	518.6	508.4	499.9	494.4	491.1	487.4	483.2	483.4
15°	689.9	627.0	559.9	533.8	519.8	508.0	499.2	493.5	487.6	482.5	482.3
17.5°	732.1	654.9	574.7	542.0	523.1	507.6	495.6	486.8	479.5	473.2	472.6
20°	777.7	680.0	582.9	541.2	516.9	498.4	482.5	471.4	463.4	457.1	456.1
22.5°	824.1	703.6	584.3	533.2	502.9	480.3	463.6	451.4	443.1	436.6	434.3
25°	866.6	721.9	578.6	517.6	483.4	459.1	442.7	430.4	423.7	416.0	413.6
27.5°	905.3	734.7	567.2	497.8	461.6	437.6	422.3	411.7	404.4	398.5	396.5
30°	940.1	741.6	548.5	474.2	439.2	417.4	404.4	397.1	390.8	383.4	382.0
32.5°	973.2	741.6	524.5	448.4	417.0	399.5	391.8	387.3	380.2	372.9	371.0
35°	1006.2	737.0	496.2	421.5	396.5	386.7	386.3	381.0	370.2	360.4	357.8
37.5°	1041.0	727.8	464.4	396.3	379.8	381.0	384.3	372.6	357.2	343.3	339.5
40°	1080.3	715.0	431.3	374.5	365.9	378.5	379.0	360.4	330.5	317.7	314.4
42.5°	1126.5	702.2	400.7	355.3	354.9	370.8	369.0	334.0	316.1	309.6	307.9
45°	1187.3	695.0	371.6	337.0	346.2	358.4	351.9	319.5	312.0	308.3	306.7
47.5°	1283.0	698.7	344.8	322.4	337.6	346.0	320.1	313.6	308.3	303.7	302.2
50°	1402.9	696.5	323.2	312.4	327.7	333.0	305.7	305.9	303.2	298.0	295.7
52.5°	1493.2	679.6	309.2	306.7	319.1	310.0	296.7	298.4	297.1	289.6	287.0
55°	1580.3	665.1	302.2	304.5	312.8	281.3	286.1	290.4	289.0	281.7	280.5
57.5°	1688.6	662.3	297.8	305.1	307.5	267.0	275.8	281.5	280.5	277.4	276.8
60°	1821.3	663.1	293.9	306.1	301.6	256.4	266.2	273.5	274.1	273.5	273.1
62.5°	1894.2	641.7	284.1	303.4	291.2	247.1	256.2	266.8	267.0	268.2	268.0
65°	1832.3	577.6	265.8	293.7	273.7	239.5	247.5	259.1	256.2	261.5	261.5
66°	1772.1	540.6	256.8	287.4	266.2	236.5	244.8	255.2	251.4	258.7	258.7
67.5°	1649.3	478.3	240.4	274.1	255.6	232.4	241.6	248.7	243.6	254.4	253.6
70°	1424.7	370.0	207.6	243.8	238.1	226.3	237.3	235.7	228.3	244.8	241.6
72.5°	1201.2	281.1	166.7	204.1	211.5	218.6	231.2	219.2	209.8	221.4	214.5
75°	932.1	211.3	131.7	158.7	178.7	206.6	223.9	200.1	186.6	185.4	181.7
77.5°	503.9	145.1	104.4	121.1	141.9	191.7	219.0	179.7	159.2	154.5	151.6
80°	199.5	94.4	75.9	91.8	99.3	170.1	207.2	155.9	131.3	126.6	122.1
82.5°	82.4	55.8	49.0	61.5	64.7	145.5	186.0	127.8	101.4	140.4	149.0
85°	35.4	30.7	29.1	31.8	36.6	102.0	148.0	97.5	109.5	97.7	77.7
87.5°	10.6	13.0	12.4	12.2	13.4	24.4	78.8	54.3	80.4	30.5	22.8
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)