

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: P1207812

Luminaire Tested: UPW-SA1-030-730-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207812
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-SA1-030-730-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4723 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 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

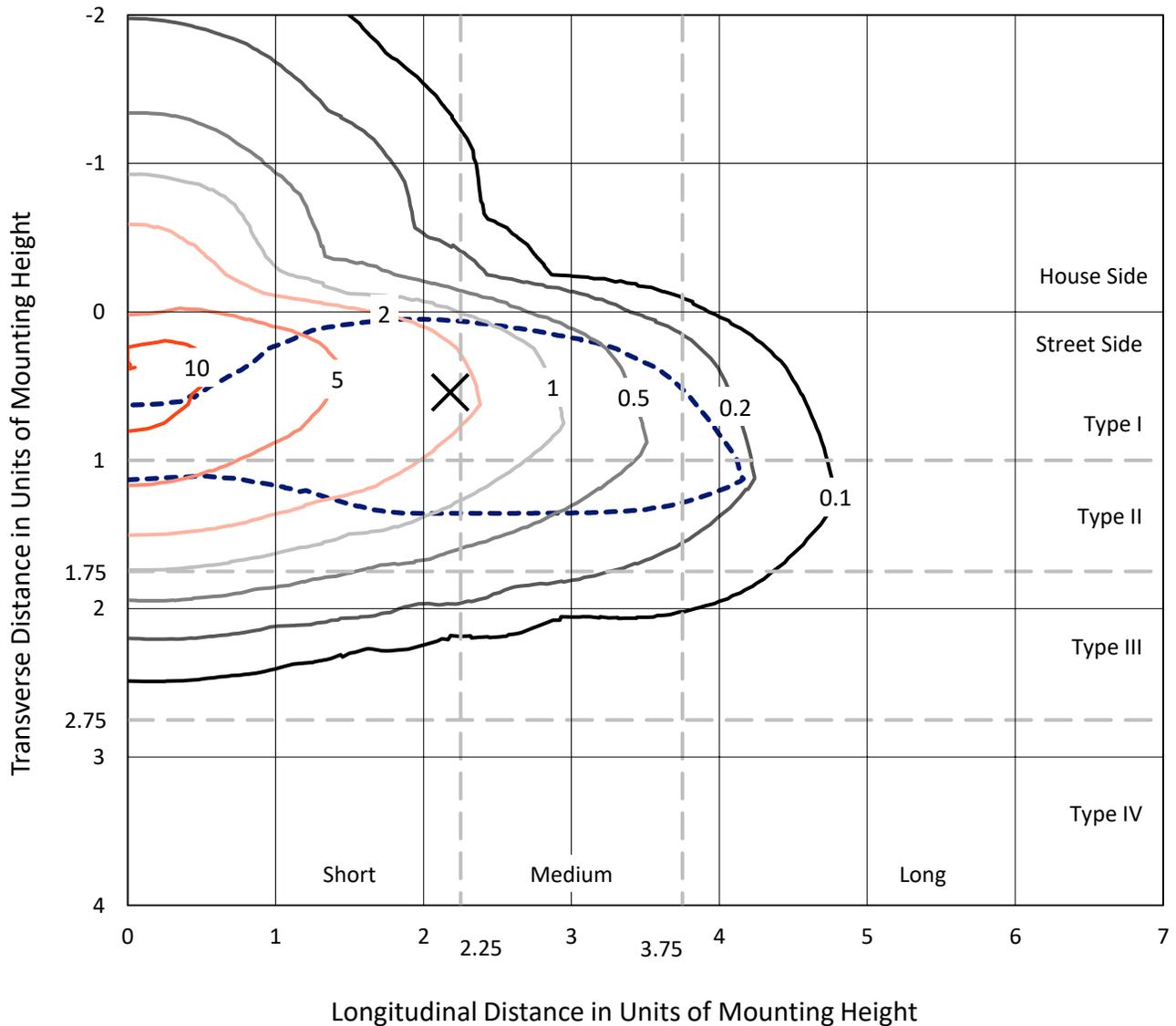


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

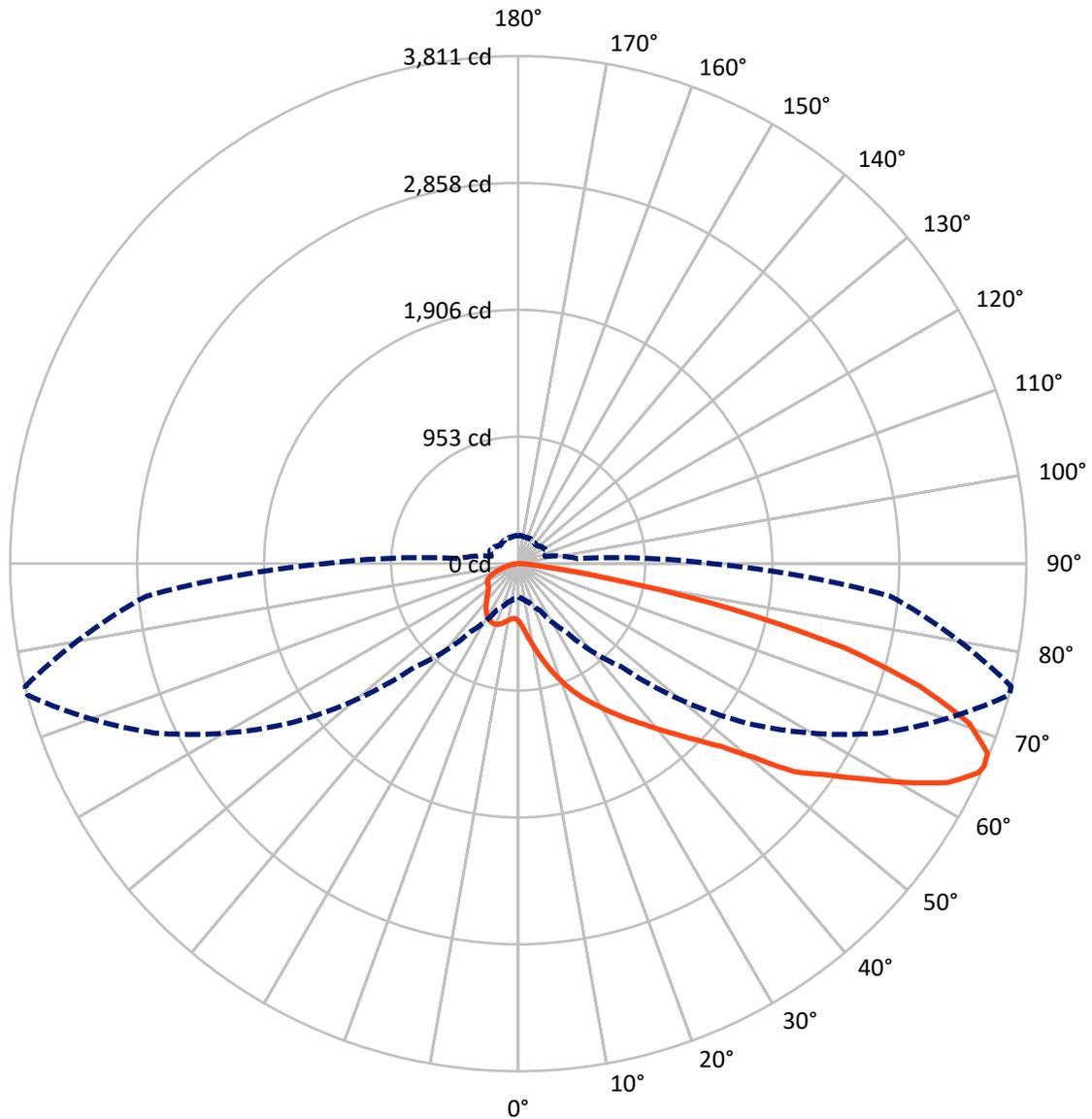


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

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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	794.7	0.0	794.7
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	3928.3	0.0	3928.3
	% Fixture	83.2	0.0	83.2
Total	Lumens	4723.0	0.0	4723.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	1.1
10°-20°	206.0	4.4
20°-30°	400.2	8.5
30°-40°	653.3	13.8
40°-50°	892.5	18.9
50°-60°	1039.6	22.0
60°-70°	932.1	19.7
70°-80°	471.0	10.0
80°-90°	76.1	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°	4723.0	100.0
0°-180°	4723.0	100.0



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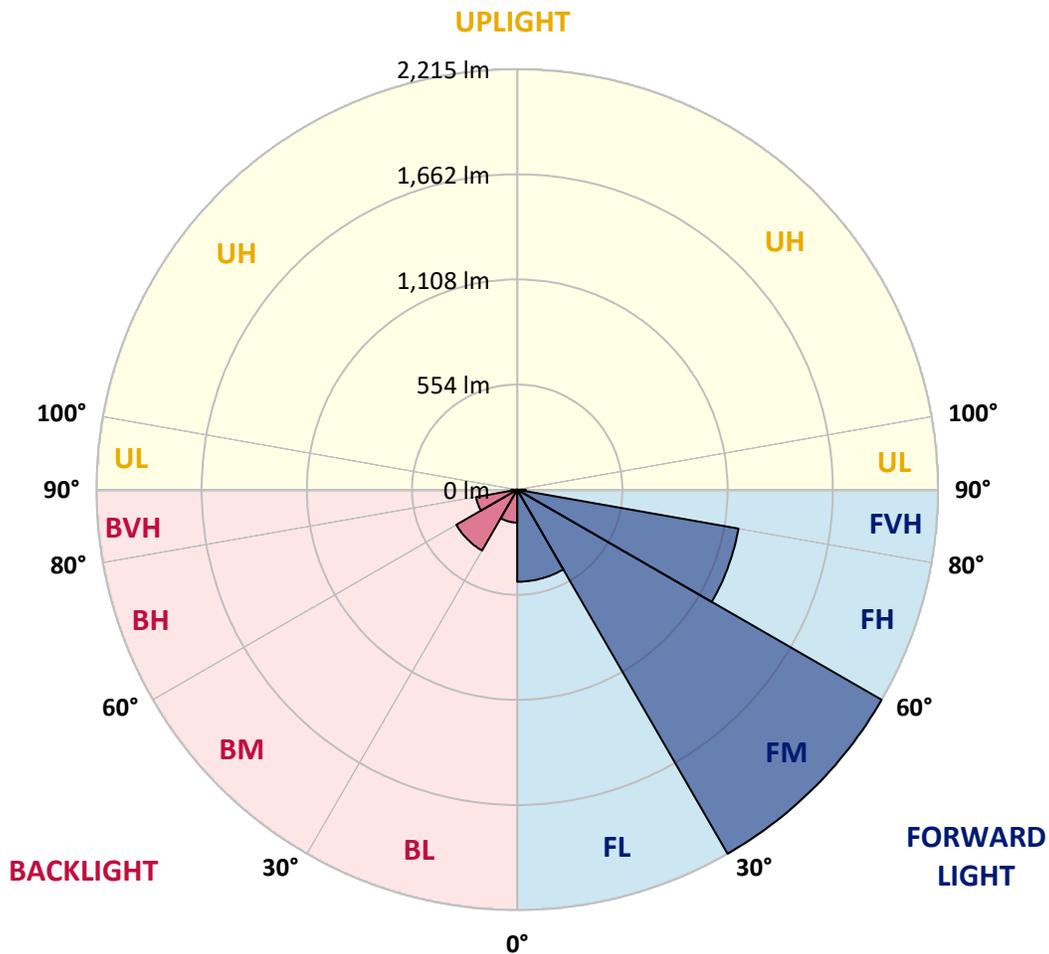
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	485.0	10.3			
FM (30°-60°)	2215.4	46.9			
FH (60°-80°)	1182.9	25.0			G1/1800
FVH (80°-90°)	44.9	1.0			G1/100
BL (0°-30°)	173.3	3.7	B1/500		
BM (30°-60°)	370.1	7.8	B1/1000		
BH (60°-80°)	220.2	4.7	B1/500		G1/500
BVH (80°-90°)	31.1	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°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	572.6	563.9	563.1	550.4	547.6	523.4	505.6	487.0	465.8	461.6	444.9
5°	735.5	734.7	723.6	702.9	686.7	645.4	604.5	561.2	513.7	506.0	468.5
7.5°	882.0	880.8	872.3	850.0	826.6	775.7	717.4	651.0	574.0	562.6	500.4
10°	993.3	992.8	989.9	973.6	953.7	905.0	840.5	749.9	644.1	628.5	540.3
12.5°	1079.3	1080.2	1082.1	1076.4	1066.9	1025.4	959.3	854.8	718.8	703.4	584.8
15°	1137.5	1140.3	1150.3	1158.5	1163.4	1137.9	1074.0	962.0	802.5	784.1	634.0
17.5°	1166.8	1170.0	1187.2	1211.9	1234.6	1232.1	1181.2	1064.3	882.8	865.0	686.9
20°	1192.1	1194.5	1213.8	1243.4	1283.7	1301.5	1272.9	1162.8	970.9	949.7	743.0
22.5°	1265.6	1268.6	1274.4	1291.2	1326.8	1359.5	1345.7	1255.9	1051.5	1031.8	796.3
25°	1407.3	1411.0	1398.5	1384.2	1391.0	1413.7	1416.3	1340.9	1133.3	1111.0	853.5
27.5°	1578.1	1583.4	1562.0	1525.3	1493.3	1484.4	1481.4	1410.5	1211.4	1185.6	910.1
30°	1745.3	1754.4	1726.7	1679.1	1620.2	1578.9	1548.2	1478.7	1288.3	1263.6	963.5
32.5°	1908.7	1905.0	1864.8	1818.3	1749.3	1697.5	1623.4	1551.8	1374.9	1346.5	1016.6
35°	2020.6	2021.9	1984.5	1929.4	1863.6	1823.9	1724.1	1630.7	1463.3	1437.1	1076.8
37.5°	2115.9	2109.9	2067.6	2016.1	1959.5	1942.5	1842.0	1717.6	1559.0	1530.5	1141.0
40°	2147.6	2140.7	2113.0	2075.9	2030.6	2029.1	1972.0	1816.0	1667.2	1639.0	1213.3
42.5°	2128.4	2119.5	2108.2	2098.1	2084.1	2090.5	2094.2	1931.5	1786.2	1754.6	1297.0
45°	2057.3	2044.0	2052.0	2074.0	2104.3	2140.5	2204.5	2059.3	1919.4	1893.0	1395.3
47.5°	1948.1	1936.1	1961.1	2008.1	2090.5	2182.2	2308.9	2200.4	2078.5	2052.2	1535.3
50°	1794.5	1798.1	1833.8	1919.3	2043.9	2201.5	2437.5	2387.2	2309.7	2285.2	1726.2
52.5°	1542.5	1543.1	1643.8	1784.1	1961.1	2191.5	2508.9	2625.9	2625.4	2595.8	1908.1
55°	1308.4	1322.7	1402.3	1588.8	1827.1	2151.8	2558.7	2742.0	2832.7	2797.9	2077.5
57.5°	1079.7	1088.1	1163.6	1350.9	1635.8	2045.8	2609.9	2881.3	3071.6	3049.7	2288.2
60°	819.7	832.5	910.6	1083.6	1391.1	1857.7	2614.7	3026.8	3357.2	3335.1	2523.4
62.5°	532.0	554.1	627.3	789.4	1095.1	1587.2	2503.1	3121.8	3627.9	3620.0	2732.2
65°	305.8	322.4	373.3	498.3	755.5	1247.6	2237.7	3085.3	3794.5	3790.0	2810.3
66°	249.8	260.2	299.2	389.5	623.4	1095.6	2083.5	3008.2	3811.0	3811.1	2801.3
67.5°	199.8	204.4	221.9	278.8	460.0	868.4	1807.8	2838.0	3790.5	3796.1	2743.4
70°	165.3	167.7	173.2	187.0	251.1	523.7	1283.2	2396.0	3584.4	3588.7	2517.5
72.5°	148.3	149.8	151.8	153.8	177.2	292.6	783.7	1916.7	3142.7	3148.3	2173.3
75°	134.4	135.2	134.8	135.0	148.6	186.5	405.0	1431.0	2541.1	2529.9	1664.8
77.5°	118.0	118.8	117.2	117.5	131.5	143.3	201.5	1001.8	1714.8	1635.6	938.0
80°	99.7	100.4	99.7	100.9	114.5	108.2	117.2	563.6	758.3	717.2	333.5
82.5°	75.4	78.1	80.0	84.5	94.3	77.0	78.4	219.5	230.9	219.8	102.3
85°	33.0	40.2	60.3	64.6	70.9	46.2	51.5	89.5	94.0	91.1	37.2
87.5°	8.7	9.5	29.8	37.5	39.3	20.8	26.8	40.7	43.0	40.7	12.3
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°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	436.1	428.3	414.2	401.7	392.2	385.8	379.4	376.2	374.2	372.3	372.6
5°	450.1	434.2	410.0	392.8	383.2	377.1	373.9	372.6	371.8	369.9	369.9
7.5°	471.1	448.6	415.3	397.6	390.1	385.5	383.5	382.9	381.9	379.7	380.0
10°	497.5	466.1	426.3	409.2	402.3	397.2	394.4	393.5	391.7	389.1	389.5
12.5°	528.6	487.8	440.9	423.0	414.6	407.7	403.3	400.5	397.5	394.1	394.3
15°	562.6	511.3	456.7	435.3	423.9	414.3	407.1	402.5	397.6	393.5	393.3
17.5°	597.1	534.1	468.7	442.1	426.7	414.0	404.2	397.0	391.1	385.9	385.5
20°	634.3	554.6	475.4	441.4	421.5	406.5	393.5	384.5	377.9	372.8	372.0
22.5°	672.1	573.9	476.5	434.8	410.2	391.7	378.1	368.1	361.4	356.1	354.2
25°	706.8	588.8	471.9	422.2	394.3	374.4	361.1	351.0	345.5	339.3	337.4
27.5°	738.4	599.2	462.6	406.0	376.5	356.9	344.4	335.8	329.8	325.0	323.4
30°	766.7	604.8	447.4	386.7	358.2	340.4	329.8	323.9	318.8	312.7	311.5
32.5°	793.7	604.8	427.8	365.7	340.1	325.8	319.6	315.9	310.1	304.2	302.6
35°	820.6	601.1	404.7	343.8	323.4	315.4	315.1	310.7	301.9	293.9	291.8
37.5°	849.0	593.6	378.7	323.2	309.8	310.7	313.5	303.8	291.3	280.0	276.9
40°	881.1	583.2	351.8	305.4	298.4	308.7	309.1	293.9	269.5	259.1	256.4
42.5°	918.8	572.7	326.8	289.7	289.4	302.4	301.0	272.4	257.8	252.5	251.1
45°	968.3	566.8	303.0	274.8	282.4	292.3	287.0	260.6	254.5	251.4	250.1
47.5°	1046.4	569.9	281.2	263.0	275.3	282.2	261.0	255.7	251.4	247.7	246.4
50°	1144.2	568.1	263.6	254.8	267.3	271.6	249.3	249.5	247.2	243.1	241.2
52.5°	1217.8	554.3	252.2	250.1	260.2	252.9	242.0	243.4	242.3	236.2	234.1
55°	1288.8	542.4	246.4	248.4	255.1	229.4	233.3	236.8	235.7	229.8	228.8
57.5°	1377.2	540.2	242.9	248.8	250.8	217.7	225.0	229.6	228.8	226.2	225.8
60°	1485.4	540.8	239.7	249.7	246.0	209.1	217.1	223.0	223.5	223.0	222.7
62.5°	1544.9	523.4	231.7	247.4	237.5	201.5	208.9	217.6	217.7	218.7	218.5
65°	1494.4	471.1	216.8	239.5	223.2	195.3	201.9	211.3	208.9	213.3	213.3
66°	1445.3	440.9	209.4	234.4	217.1	192.9	199.6	208.1	205.1	211.0	211.0
67.5°	1345.1	390.1	196.1	223.5	208.4	189.5	197.1	202.8	198.7	207.5	206.8
70°	1162.0	301.8	169.3	198.8	194.2	184.6	193.5	192.2	186.2	199.6	197.1
72.5°	979.7	229.3	136.0	166.4	172.5	178.3	188.6	178.8	171.1	180.5	174.9
75°	760.2	172.4	107.4	129.4	145.7	168.5	182.6	163.2	152.2	151.2	148.2
77.5°	411.0	118.3	85.1	98.8	115.8	156.3	178.6	146.6	129.9	126.0	123.6
80°	162.7	77.0	61.9	74.9	81.0	138.7	169.0	127.2	107.1	103.3	99.6
82.5°	67.2	45.5	39.9	50.2	52.8	118.7	151.7	104.2	82.7	114.5	121.5
85°	28.9	25.0	23.7	26.0	29.8	83.2	120.7	79.5	89.3	79.7	63.3
87.5°	8.7	10.6	10.1	9.9	10.9	19.9	64.3	44.3	65.6	24.9	18.6
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)