

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: P1208676

Luminaire Tested: UPW-SA1-070-827-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208676
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-SA1-070-827-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6346 lumens
Efficiency: N/A
Efficacy: 96.2 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): 66
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

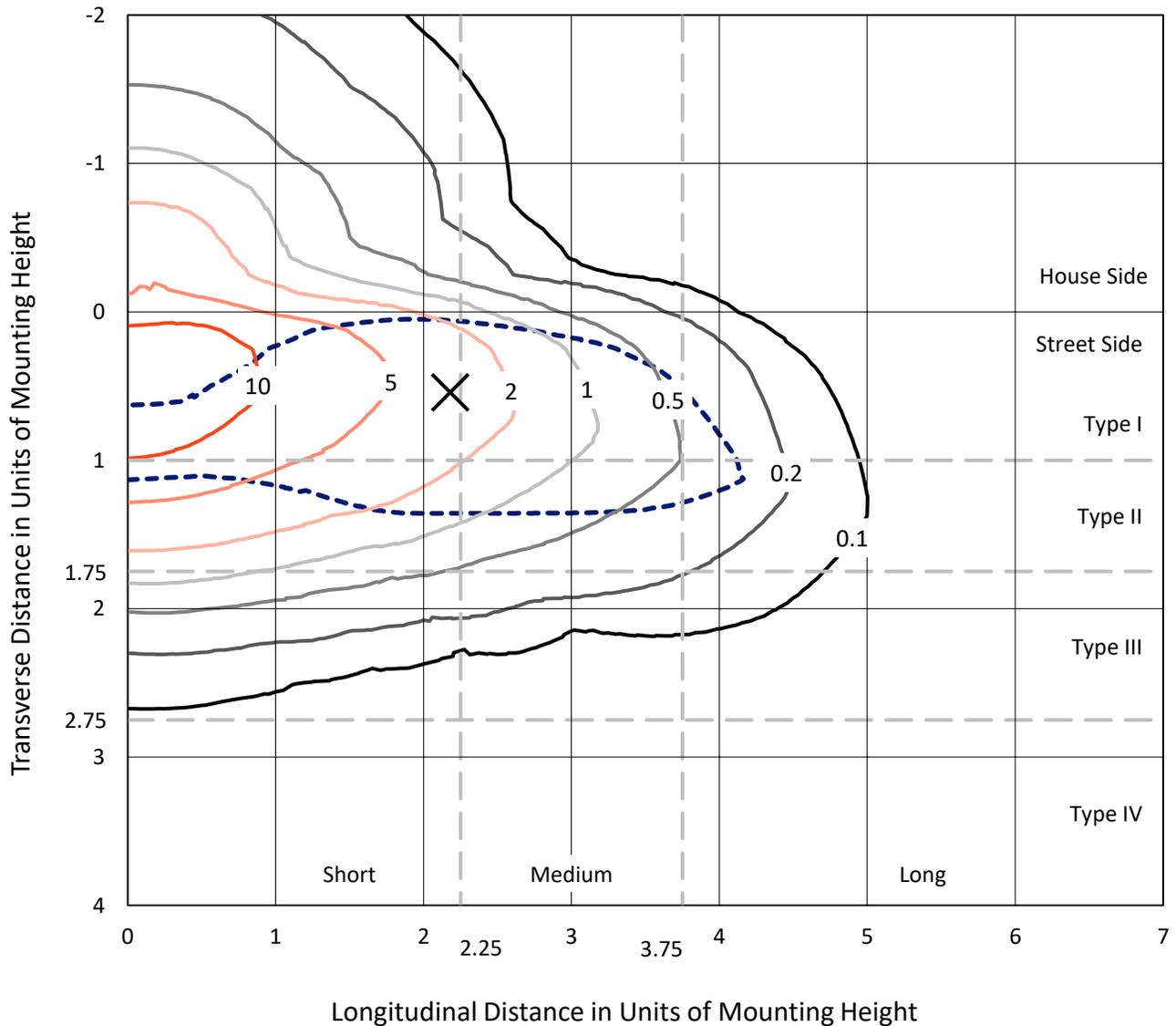


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

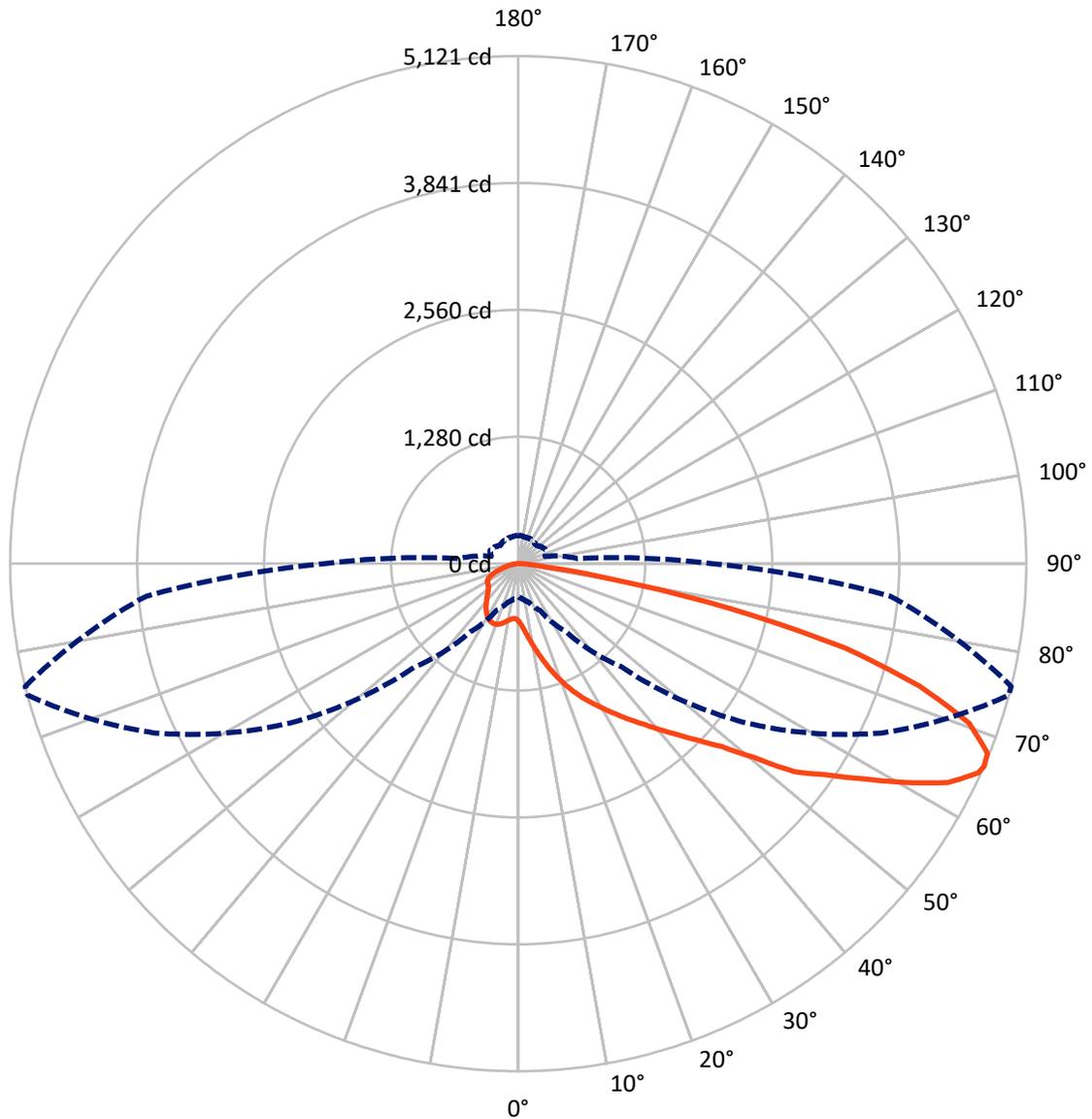


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

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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	1067.8	0.0	1067.8
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	5278.2	0.0	5278.2
	% Fixture	83.2	0.0	83.2
Total	Lumens	6346.0	0.0	6346.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.1
10°-20°	276.7	4.4
20°-30°	537.8	8.5
30°-40°	877.8	13.8
40°-50°	1199.3	18.9
50°-60°	1396.9	22.0
60°-70°	1252.3	19.7
70°-80°	632.9	10.0
80°-90°	102.2	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°	6346.0	100.0
0°-180°	6346.0	100.0



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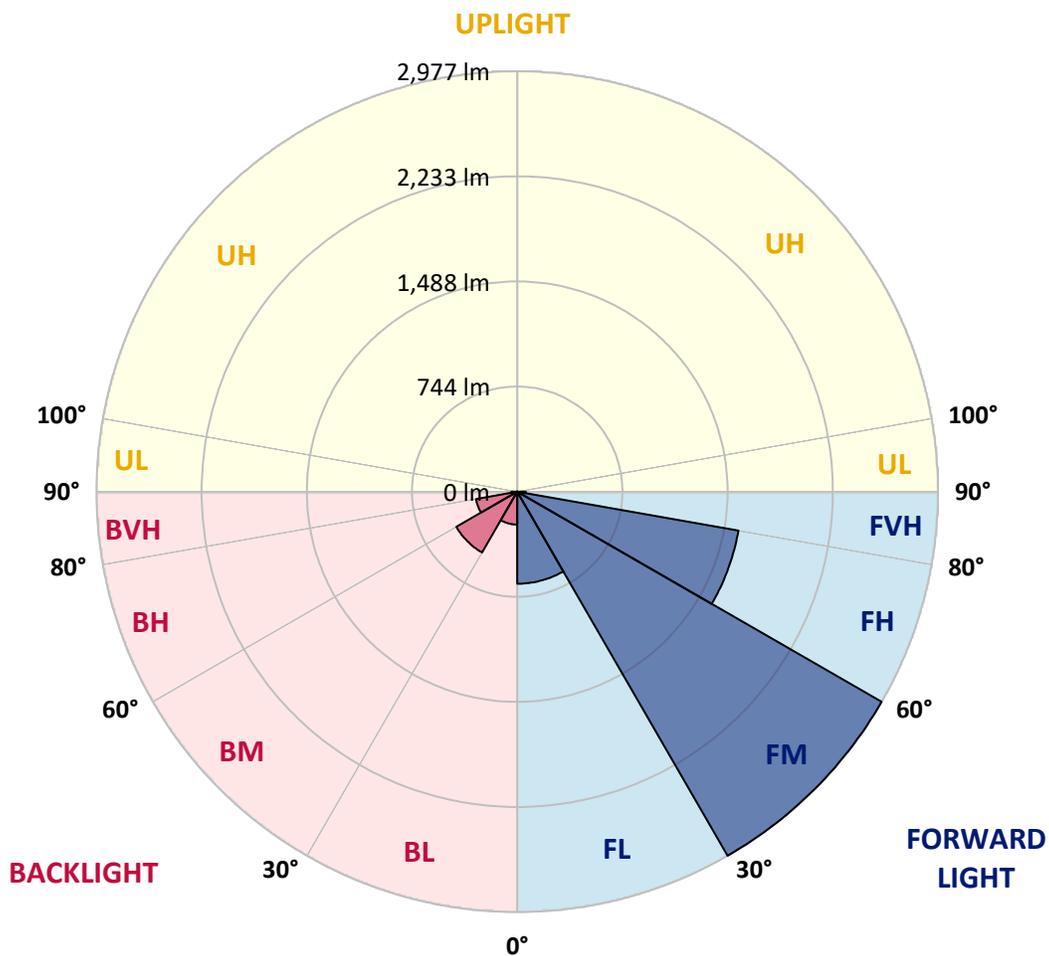
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	651.7	10.3			
FM	(30°-60°)	2976.7	46.9			
FH	(60°-80°)	1589.4	25.0			G1/1800
FVH	(80°-90°)	60.4	1.0			G1/100
BL	(0°-30°)	232.9	3.7	B1/500		
BM	(30°-60°)	497.2	7.8	B1/1000		
BH	(60°-80°)	295.8	4.7	B1/500		G1/500
BVH	(80°-90°)	41.8	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°	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5
2.5°	769.3	757.7	756.6	739.6	735.7	703.2	679.3	654.3	625.9	620.3	597.8
5°	988.2	987.1	972.3	944.5	922.7	867.1	812.2	754.0	690.3	679.9	629.5
7.5°	1185.1	1183.4	1172.0	1142.0	1110.6	1042.3	963.9	874.7	771.3	756.0	672.4
10°	1334.6	1334.0	1330.1	1308.2	1281.4	1215.9	1129.3	1007.6	865.4	844.5	726.0
12.5°	1450.1	1451.4	1454.0	1446.2	1433.5	1377.7	1289.0	1148.5	965.8	945.1	785.7
15°	1528.3	1532.2	1545.6	1556.6	1563.2	1529.0	1443.0	1292.6	1078.3	1053.5	851.8
17.5°	1567.8	1572.1	1595.1	1628.3	1658.9	1655.4	1587.1	1430.1	1186.2	1162.3	922.9
20°	1601.8	1605.0	1630.9	1670.7	1724.8	1748.7	1710.4	1562.4	1304.5	1276.0	998.3
22.5°	1700.5	1704.6	1712.3	1734.9	1782.8	1826.7	1808.2	1687.5	1412.9	1386.4	1069.9
25°	1890.9	1895.9	1879.1	1859.9	1868.9	1899.5	1903.0	1801.7	1522.7	1492.8	1146.8
27.5°	2120.4	2127.5	2098.8	2049.5	2006.4	1994.5	1990.4	1895.2	1627.6	1593.0	1222.8
30°	2345.1	2357.3	2320.1	2256.1	2177.0	2121.4	2080.3	1986.8	1731.1	1697.9	1294.6
32.5°	2564.6	2559.6	2505.6	2443.1	2350.4	2280.9	2181.3	2085.0	1847.4	1809.3	1365.9
35°	2715.0	2716.7	2666.5	2592.4	2504.1	2450.6	2316.6	2191.0	1966.1	1931.0	1446.9
37.5°	2842.9	2835.0	2778.1	2708.9	2632.9	2610.1	2475.0	2307.8	2094.7	2056.4	1533.1
40°	2885.6	2876.3	2839.1	2789.3	2728.3	2726.4	2649.7	2440.1	2240.1	2202.2	1630.2
42.5°	2859.7	2847.9	2832.6	2819.0	2800.3	2808.9	2813.9	2595.2	2400.0	2357.6	1742.7
45°	2764.3	2746.4	2757.2	2786.7	2827.4	2876.1	2962.1	2766.9	2579.0	2543.5	1874.8
47.5°	2617.6	2601.4	2635.0	2698.2	2808.9	2932.1	3102.3	2956.5	2792.7	2757.4	2062.8
50°	2411.2	2415.9	2464.0	2578.8	2746.2	2958.0	3275.1	3207.5	3103.4	3070.4	2319.4
52.5°	2072.5	2073.4	2208.7	2397.2	2635.0	2944.6	3371.0	3528.3	3527.6	3487.8	2563.7
55°	1758.0	1777.2	1884.2	2134.8	2454.9	2891.2	3438.0	3684.2	3806.2	3759.4	2791.5
57.5°	1450.8	1462.0	1563.4	1815.1	2197.9	2748.8	3506.7	3871.5	4127.2	4097.7	3074.5
60°	1101.3	1118.6	1223.5	1455.9	1869.2	2496.1	3513.2	4066.9	4510.9	4481.1	3390.6
62.5°	714.8	744.6	842.8	1060.6	1471.5	2132.6	3363.2	4194.6	4874.5	4864.0	3671.1
65°	410.8	433.2	501.5	669.6	1015.2	1676.3	3006.7	4145.5	5098.4	5092.3	3776.0
66°	335.7	349.7	402.0	523.3	837.6	1472.1	2799.4	4041.9	5120.6	5120.8	3763.9
67.5°	268.4	274.7	298.2	374.6	618.1	1166.8	2429.1	3813.3	5093.0	5100.5	3686.2
70°	222.1	225.3	232.7	251.2	337.4	703.6	1724.2	3219.3	4816.2	4822.0	3382.6
72.5°	199.3	201.2	204.0	206.6	238.1	393.2	1053.1	2575.4	4222.6	4230.2	2920.1
75°	180.5	181.6	181.2	181.4	199.7	250.6	544.2	1922.8	3414.3	3399.2	2236.9
77.5°	158.6	159.6	157.5	157.9	176.7	192.6	270.8	1346.1	2304.1	2197.7	1260.3
80°	134.0	134.9	134.0	135.5	153.8	145.4	157.5	757.3	1018.8	963.7	448.1
82.5°	101.3	104.9	107.5	113.5	126.7	103.4	105.4	294.9	310.2	295.4	137.5
85°	44.4	54.1	81.0	86.8	95.2	62.0	69.2	120.2	126.2	122.4	50.0
87.5°	11.6	12.7	40.1	50.4	52.8	28.0	36.0	54.7	57.7	54.7	16.6
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°	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5
2.5°	586.0	575.4	556.5	539.7	527.0	518.3	509.7	505.4	502.8	500.3	500.7
5°	604.7	583.4	550.9	527.8	514.9	506.7	502.4	500.7	499.6	497.0	497.0
7.5°	633.0	602.8	558.0	534.3	524.2	517.9	515.3	514.5	513.2	510.2	510.6
10°	668.5	626.3	572.9	549.8	540.5	533.6	530.0	528.7	526.3	522.9	523.3
12.5°	710.3	655.4	592.5	568.3	557.1	547.9	541.8	538.2	534.1	529.6	529.8
15°	756.0	687.0	613.6	584.9	569.6	556.7	547.0	540.8	534.3	528.7	528.5
17.5°	802.3	717.6	629.7	594.0	573.3	556.3	543.1	533.4	525.5	518.6	517.9
20°	852.3	745.2	638.8	593.1	566.4	546.1	528.7	516.6	507.8	500.9	499.8
22.5°	903.1	771.1	640.3	584.3	551.1	526.3	508.0	494.6	485.6	478.5	475.9
25°	949.7	791.1	634.0	567.3	529.8	503.1	485.2	471.6	464.3	455.9	453.3
27.5°	992.1	805.1	621.5	545.5	505.9	479.6	462.8	451.1	443.2	436.7	434.5
30°	1030.2	812.6	601.1	519.6	481.3	457.4	443.2	435.2	428.3	420.1	418.6
32.5°	1066.4	812.6	574.8	491.4	456.9	437.8	429.4	424.4	416.7	408.7	406.5
35°	1102.6	807.7	543.8	461.9	434.5	423.8	423.3	417.5	405.7	394.9	392.1
37.5°	1140.8	797.6	508.9	434.3	416.2	417.5	421.2	408.3	391.5	376.2	372.1
40°	1183.8	783.6	472.7	410.4	400.9	414.7	415.4	394.9	362.2	348.2	344.5
42.5°	1234.5	769.6	439.1	389.3	388.9	406.3	404.4	366.0	346.4	339.3	337.4
45°	1301.0	761.6	407.2	369.3	379.4	392.7	385.6	350.1	341.9	337.8	336.1
47.5°	1406.0	765.7	377.9	353.3	369.9	379.2	350.7	343.6	337.8	332.9	331.1
50°	1537.4	763.3	354.2	342.3	359.1	365.0	335.0	335.2	332.2	326.6	324.0
52.5°	1636.3	744.8	338.9	336.1	349.7	339.7	325.1	327.0	325.5	317.3	314.5
55°	1731.7	728.8	331.1	333.7	342.8	308.3	313.5	318.2	316.7	308.7	307.4
57.5°	1850.4	725.8	326.4	334.4	336.9	292.6	302.3	308.5	307.4	304.0	303.3
60°	1995.8	726.7	322.1	335.4	330.5	280.9	291.7	299.7	300.3	299.7	299.2
62.5°	2075.8	703.2	311.3	332.4	319.1	270.8	280.7	292.4	292.6	293.9	293.6
65°	2007.9	633.0	291.3	321.9	299.9	262.4	271.2	283.9	280.7	286.5	286.5
66°	1942.0	592.5	281.4	315.0	291.7	259.2	268.2	279.6	275.5	283.5	283.5
67.5°	1807.3	524.2	263.5	300.3	280.1	254.6	264.8	272.5	266.9	278.8	277.9
70°	1561.3	405.5	227.5	267.1	260.9	248.0	260.0	258.3	250.1	268.2	264.8
72.5°	1316.3	308.1	182.7	223.6	231.8	239.6	253.4	240.2	229.9	242.6	235.0
75°	1021.4	231.6	144.3	173.9	195.8	226.4	245.4	219.3	204.5	203.2	199.1
77.5°	552.2	159.0	114.4	132.7	155.5	210.1	240.0	196.9	174.5	169.3	166.1
80°	218.7	103.4	83.2	100.6	108.8	186.4	227.1	170.8	143.9	138.7	133.8
82.5°	90.3	61.2	53.6	67.4	70.9	159.4	203.8	140.0	111.2	153.8	163.3
85°	38.8	33.6	31.9	34.9	40.1	111.8	162.2	106.9	120.0	107.1	85.1
87.5°	11.6	14.2	13.6	13.4	14.6	26.7	86.4	59.5	88.1	33.4	25.0
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)