

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: P1209260

Luminaire Tested: UPW-SA2-110-730-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-110-730-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9795 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

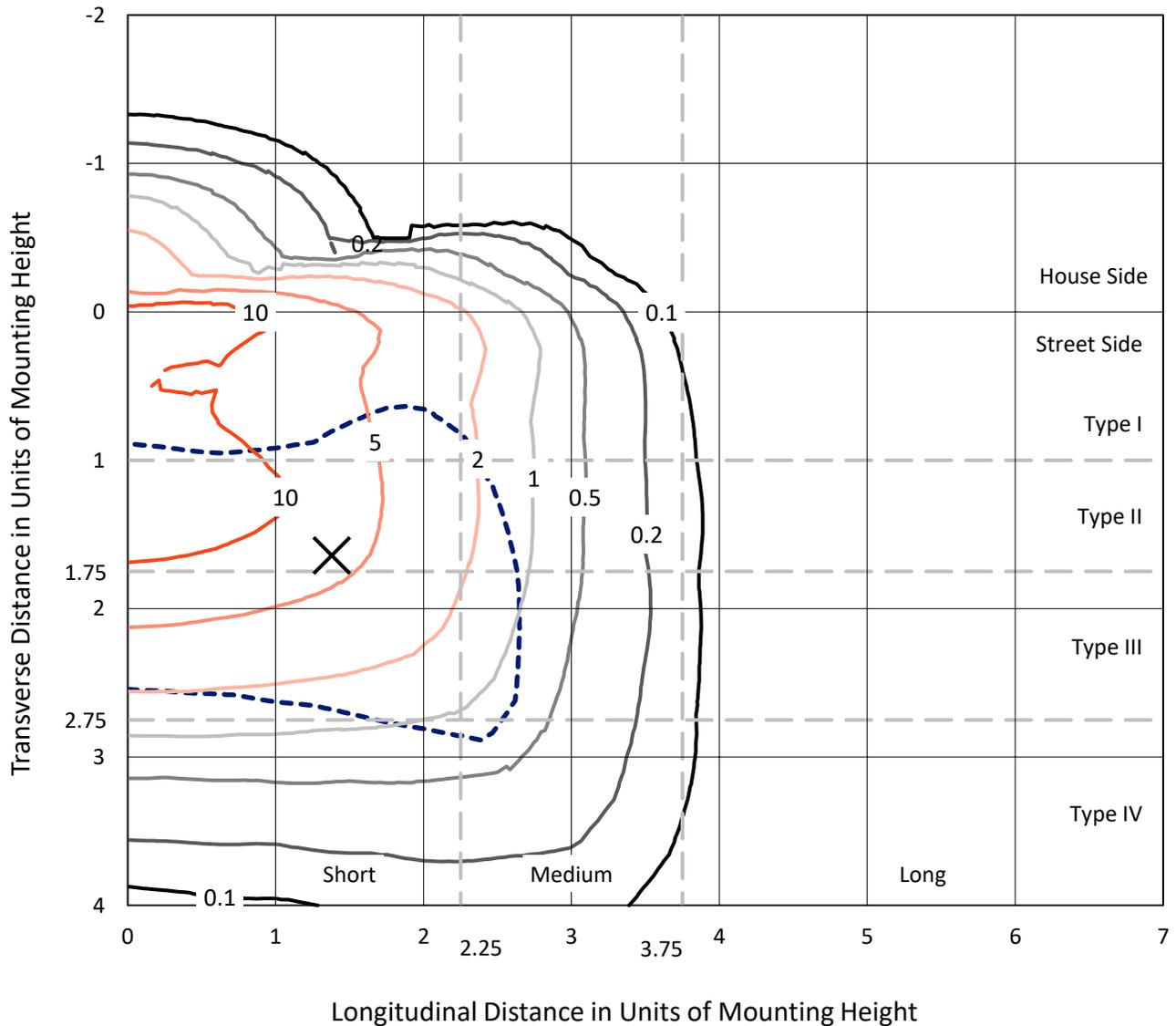
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

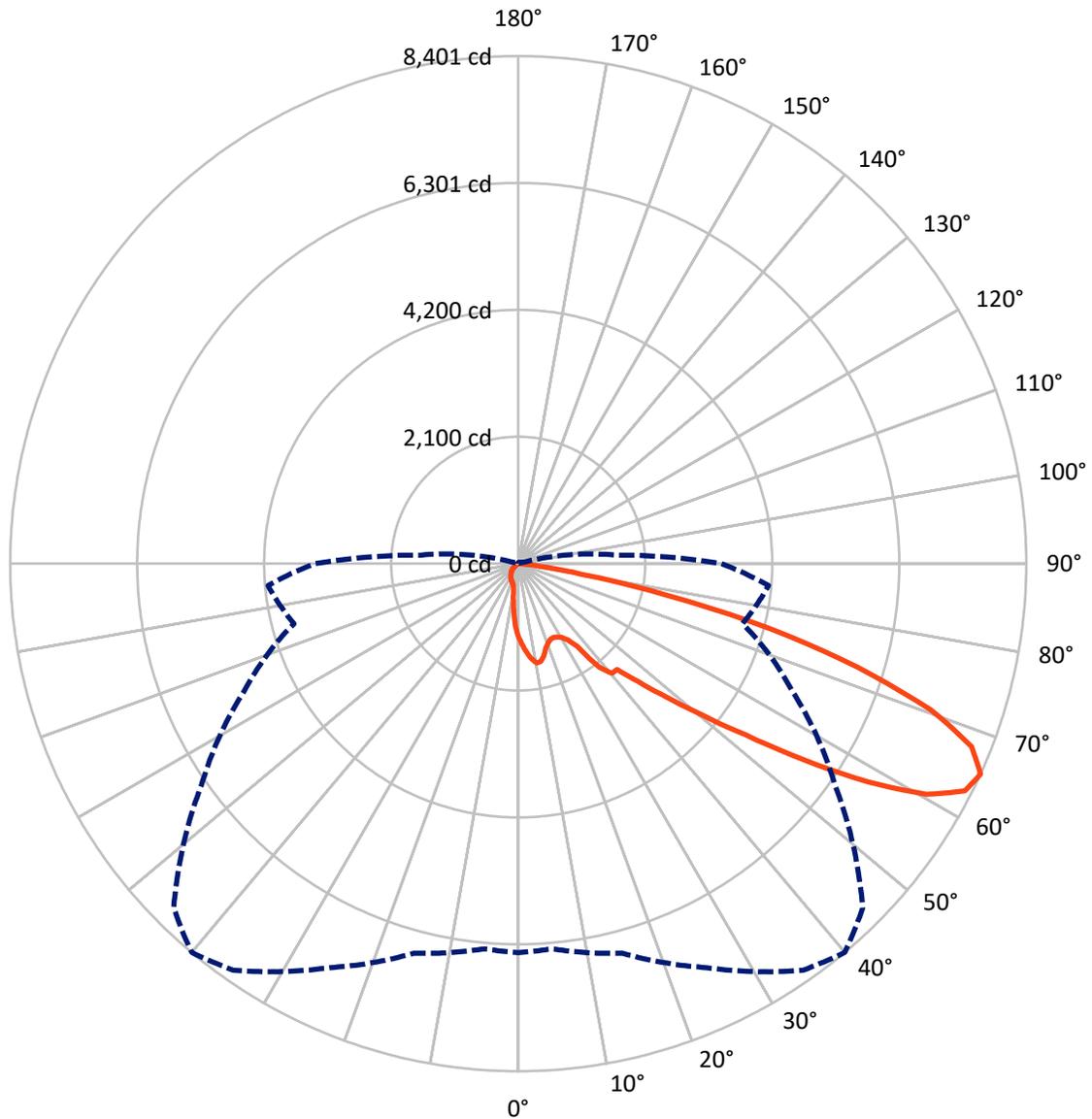
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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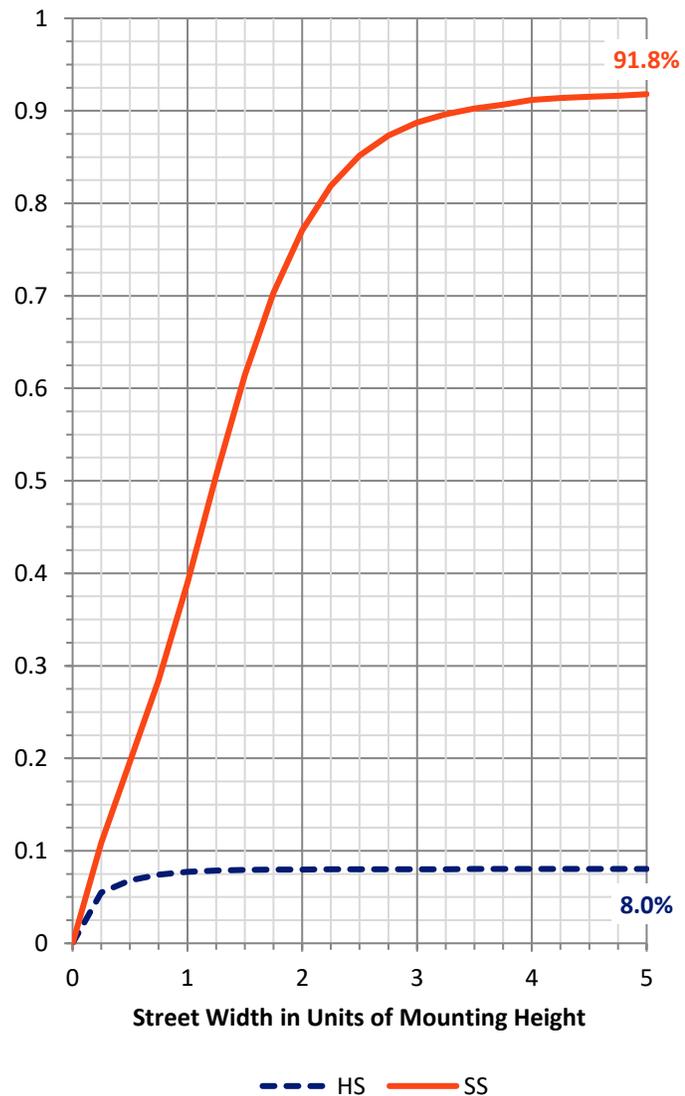
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	792.7	0.0	792.7
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	9002.3	0.0	9002.3
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	9795.0	0.0	9795.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.2	1.1
10°-20°	315.5	3.2
20°-30°	492.4	5.0
30°-40°	816.0	8.3
40°-50°	1383.6	14.1
50°-60°	2437.1	24.9
60°-70°	3035.6	31.0
70°-80°	1140.8	11.6
80°-90°	61.7	0.6
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°	9795.0	100.0
0°-180°	9795.0	100.0



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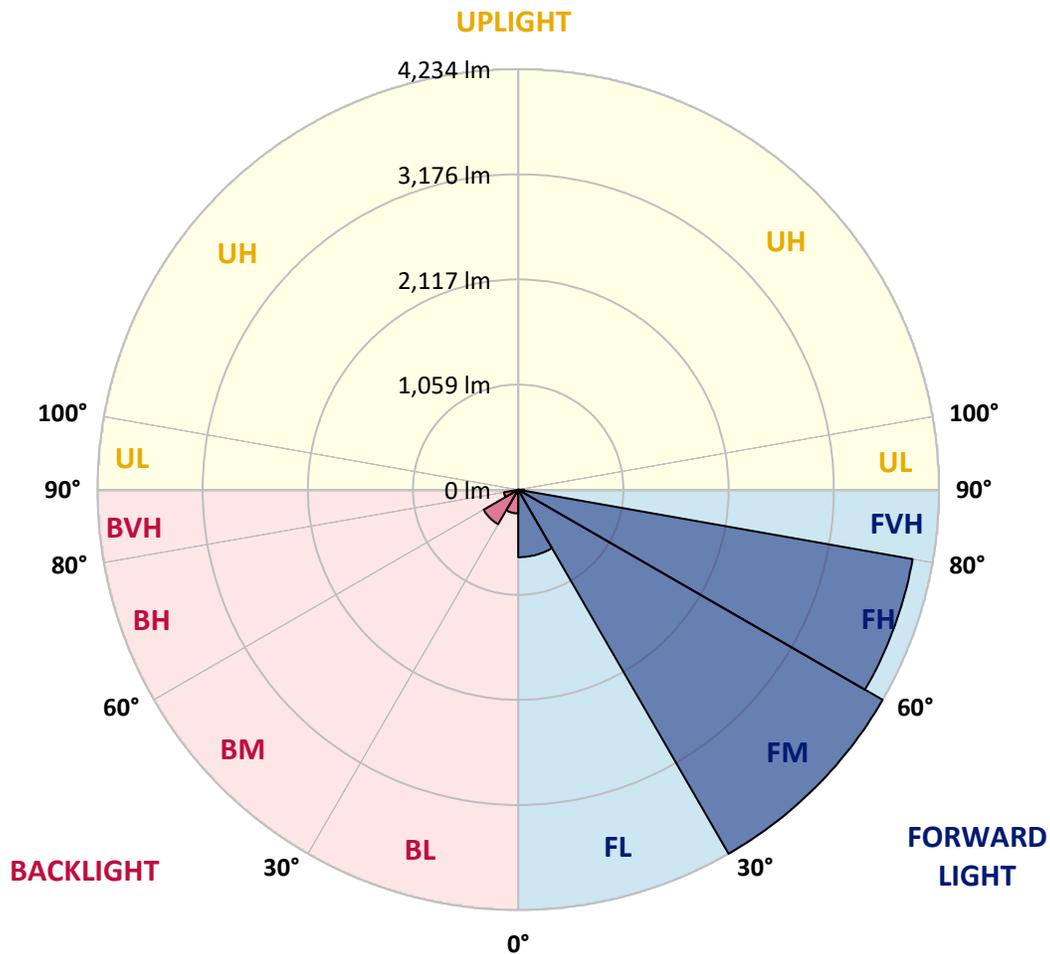
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	680.3	6.9			
FM	(30°-60°)	4234.2	43.2			
FH	(60°-80°)	4030.1	41.1			G2/5000
FVH	(80°-90°)	57.7	0.6			G1/100
BL	(0°-30°)	239.9	2.4	B1/500		
BM	(30°-60°)	402.5	4.1	B1/1000		
BH	(60°-80°)	146.3	1.5	B1/500		G1/500
BVH	(80°-90°)	4.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2
2.5°	1384.8	1373.2	1370.3	1364.6	1350.1	1348.7	1345.8	1319.9	1301.1	1282.4	1253.5
5°	1518.9	1510.3	1503.1	1501.6	1491.5	1478.5	1475.6	1439.6	1405.0	1366.0	1305.4
7.5°	1617.0	1608.4	1608.4	1608.4	1596.8	1592.5	1592.5	1555.0	1521.8	1462.7	1380.4
10°	1637.2	1631.4	1637.2	1651.6	1666.0	1671.8	1677.6	1668.9	1641.5	1576.6	1477.1
12.5°	1586.7	1580.9	1586.7	1608.4	1635.8	1663.2	1699.2	1745.4	1755.5	1710.8	1580.9
15°	1536.2	1529.0	1517.5	1513.1	1542.0	1583.8	1632.9	1758.4	1850.7	1837.7	1700.7
17.5°	1504.5	1503.1	1475.6	1438.1	1441.0	1472.8	1536.2	1706.4	1896.8	1951.7	1811.7
20°	1474.2	1469.9	1439.6	1386.2	1374.7	1403.5	1456.9	1634.3	1888.2	2057.0	1927.1
22.5°	1458.3	1452.6	1412.2	1348.7	1337.2	1363.1	1410.7	1556.4	1844.9	2119.0	2036.8
25°	1477.1	1472.8	1415.1	1341.5	1331.4	1353.0	1394.9	1514.6	1788.7	2142.1	2124.8
27.5°	1540.6	1531.9	1455.4	1367.5	1354.5	1374.7	1409.3	1500.2	1739.6	2133.4	2195.4
30°	1756.9	1723.7	1609.8	1445.4	1405.0	1417.9	1445.4	1518.9	1707.9	2121.9	2274.8
32.5°	2176.7	2159.4	1969.0	1670.4	1517.5	1505.9	1524.7	1576.6	1729.5	2182.5	2421.9
35°	2906.6	2884.9	2615.2	2140.6	1745.4	1681.9	1670.4	1715.1	1894.0	2198.3	2446.4
37.5°	3474.9	3454.7	3228.2	2872.0	2384.4	2178.1	2044.0	2025.2	1904.1	2124.8	2476.7
40°	3751.9	3717.2	3385.5	2905.1	2541.6	2387.3	2238.7	1935.8	1800.2	2081.5	2554.6
42.5°	4421.2	4326.0	3935.0	3333.5	2677.2	2394.5	2132.0	1811.7	1837.7	2126.2	2675.8
45°	5165.5	5171.2	4698.1	3899.0	3121.5	2784.0	2455.1	1960.3	1971.9	2240.2	2835.9
47.5°	6023.7	5924.2	5423.7	4615.9	3676.8	3294.6	2926.8	2218.5	2162.3	2423.3	3050.8
50°	6648.3	6584.9	6195.4	5433.8	4362.0	3927.8	3444.6	2606.5	2473.8	2633.9	3268.6
52.5°	6993.1	6978.7	6783.9	6173.8	5210.2	4705.3	4073.5	3060.9	2854.6	2866.2	3430.2
55°	7264.3	7225.3	7216.7	6918.1	6169.4	5725.2	4902.9	3678.3	3337.9	3092.6	3591.7
57.5°	7536.9	7492.2	7529.7	7476.3	7200.8	6818.5	5898.2	4349.0	3759.1	3333.5	3785.0
60°	7541.2	7496.5	7601.8	7826.8	7949.4	7751.8	6908.0	5081.8	4223.5	3580.2	4047.6
62.5°	7193.6	7148.9	7329.2	7798.0	8310.1	8285.5	7691.2	5784.3	4686.6	3826.9	4265.4
65°	6436.3	6400.2	6675.7	7378.2	8213.4	8400.9	8056.2	6394.5	5001.0	3838.4	4152.9
67.5°	4908.7	4973.6	5441.0	6410.3	7711.4	8087.9	8004.2	6554.6	4846.7	3489.3	3724.4
70°	3167.7	3285.9	3808.1	4952.0	6561.8	7234.0	7277.2	5818.9	4056.2	2837.3	2798.4
72.5°	1686.2	1707.9	2189.7	3203.7	4989.5	5872.3	5937.2	4380.8	2775.3	1885.3	1527.6
75°	738.5	797.7	1071.8	1801.6	3324.9	4302.9	4109.6	2625.3	1432.4	862.6	591.4
77.5°	265.4	287.1	416.9	881.3	1876.6	2518.5	2346.9	1247.7	578.4	382.3	173.1
80°	128.4	129.8	167.3	336.1	784.7	1061.7	923.2	441.4	264.0	214.9	67.8
82.5°	43.3	53.4	95.2	132.7	291.4	362.1	266.9	164.4	157.2	163.0	47.6
85°	0.0	1.4	47.6	72.1	75.0	85.1	67.8	72.1	96.6	98.1	15.9
87.5°	0.0	0.0	0.0	14.4	15.9	15.9	8.7	17.3	40.4	47.6	2.9
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°	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2	1223.2
2.5°	1236.2	1218.9	1184.3	1155.4	1116.5	1089.1	1060.2	1047.2	1038.6	1002.5	999.6
5°	1272.3	1233.3	1154.0	1067.4	982.3	898.7	819.3	774.6	735.7	719.8	701.0
7.5°	1325.6	1266.5	1126.6	978.0	817.9	688.1	600.1	551.0	510.6	503.4	497.7
10°	1399.2	1309.8	1103.5	862.6	637.6	515.0	442.8	411.1	398.1	395.2	390.9
12.5°	1480.0	1364.6	1077.5	728.4	499.1	395.2	364.9	364.9	372.2	375.0	375.0
15°	1583.8	1428.0	1028.5	608.7	401.0	346.2	344.7	350.5	357.7	360.6	362.1
17.5°	1674.7	1494.4	966.5	499.1	344.7	328.9	331.8	336.1	343.3	349.1	349.1
20°	1772.8	1555.0	903.0	411.1	317.3	313.0	315.9	321.7	330.3	334.7	336.1
22.5°	1859.3	1602.6	829.4	353.4	298.6	298.6	302.9	308.7	318.8	326.0	326.0
25°	1931.5	1640.1	750.1	314.5	281.3	282.7	287.1	295.7	305.8	313.0	314.5
27.5°	1987.7	1658.8	659.2	282.7	264.0	264.0	271.2	281.3	294.3	302.9	302.9
30°	2059.8	1687.7	590.0	259.6	245.2	245.2	251.0	264.0	281.3	292.8	292.8
32.5°	2168.0	1738.2	516.4	239.4	227.9	227.9	233.7	245.2	262.5	277.0	279.8
35°	2185.3	1715.1	441.4	223.6	212.0	210.6	213.5	223.6	238.0	248.1	252.4
37.5°	2212.7	1715.1	370.7	206.3	196.2	194.7	196.2	200.5	206.3	209.2	207.7
40°	2273.3	1726.6	311.6	191.8	181.8	178.9	177.4	176.0	170.2	163.0	161.6
42.5°	2368.5	1756.9	261.1	176.0	165.9	163.0	158.7	148.6	135.6	125.5	125.5
45°	2482.5	1784.3	219.3	163.0	151.5	148.6	135.6	119.7	103.9	96.6	96.6
47.5°	2622.4	1817.5	186.1	151.5	139.9	132.7	111.1	92.3	79.3	76.5	76.5
50°	2784.0	1837.7	157.2	138.5	128.4	115.4	88.0	72.1	62.0	60.6	60.6
52.5°	2896.5	1836.3	134.1	126.9	116.8	96.6	70.7	57.7	50.5	47.6	47.6
55°	3004.7	1816.1	112.5	112.5	101.0	77.9	57.7	47.6	40.4	37.5	36.1
57.5°	3135.9	1806.0	96.6	93.8	82.2	63.5	47.6	38.9	31.7	26.0	24.5
60°	3345.1	1823.3	80.8	75.0	64.9	50.5	38.9	30.3	23.1	15.9	14.4
62.5°	3485.0	1806.0	66.4	60.6	51.9	40.4	28.8	21.6	13.0	8.7	7.2
65°	3355.2	1612.7	56.3	49.0	41.8	31.7	21.6	14.4	5.8	1.4	0.0
67.5°	2900.8	1288.1	47.6	40.4	33.2	24.5	15.9	8.7	1.4	0.0	0.0
70°	2108.9	868.4	41.8	33.2	26.0	20.2	11.5	4.3	0.0	0.0	0.0
72.5°	1103.5	408.2	37.5	30.3	23.1	15.9	8.7	2.9	0.0	0.0	0.0
75°	386.6	147.1	34.6	28.8	20.2	13.0	7.2	2.9	0.0	0.0	0.0
77.5°	121.2	66.4	34.6	30.3	21.6	13.0	7.2	2.9	0.0	0.0	0.0
80°	54.8	43.3	31.7	28.8	20.2	13.0	7.2	1.4	0.0	0.0	0.0
82.5°	38.9	34.6	30.3	26.0	18.8	11.5	5.8	1.4	0.0	0.0	0.0
85°	14.4	11.5	11.5	14.4	13.0	7.2	2.9	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)