

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: P1208770

Luminaire Tested: UPW-SA2-070-730-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6216 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

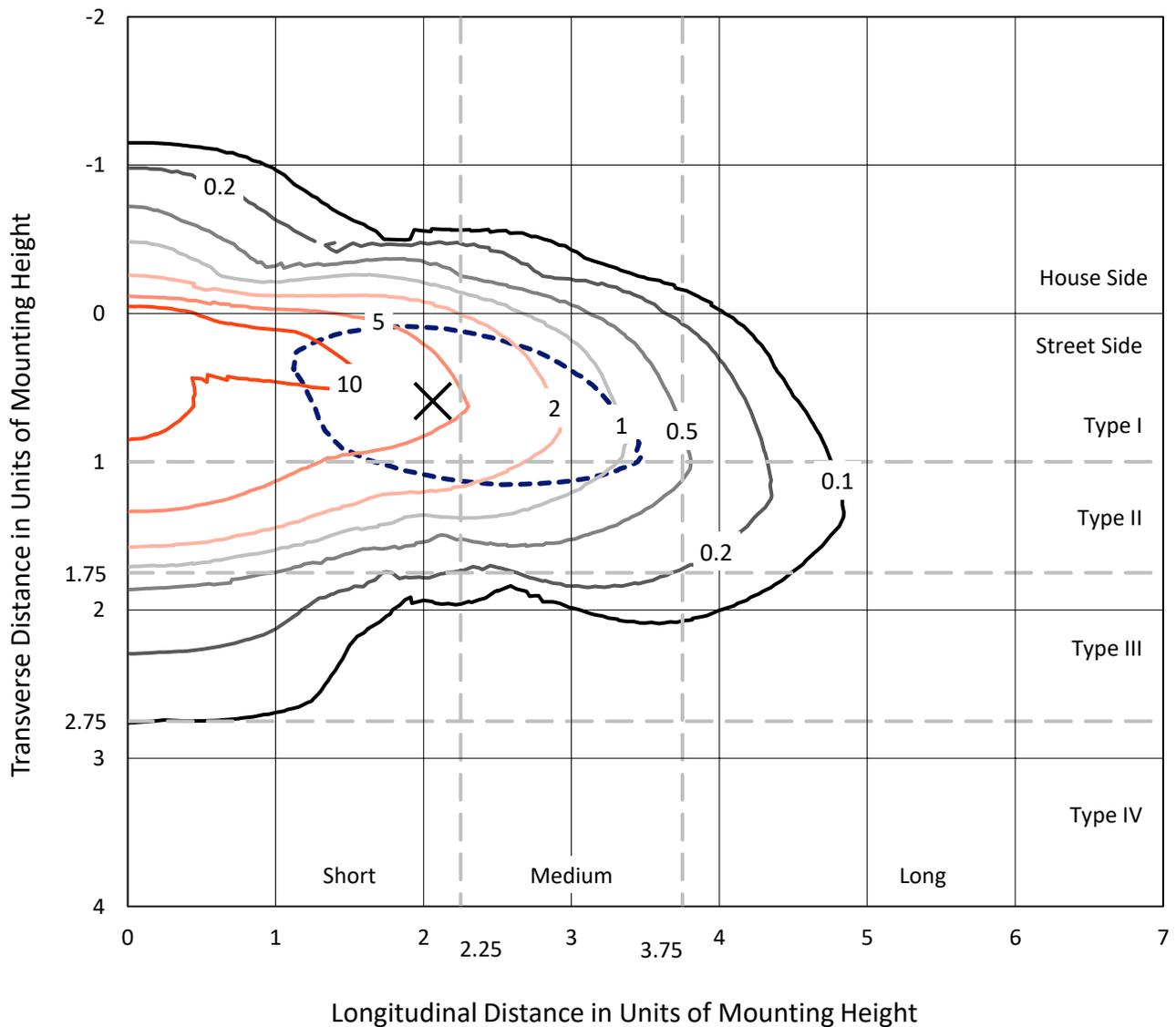
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

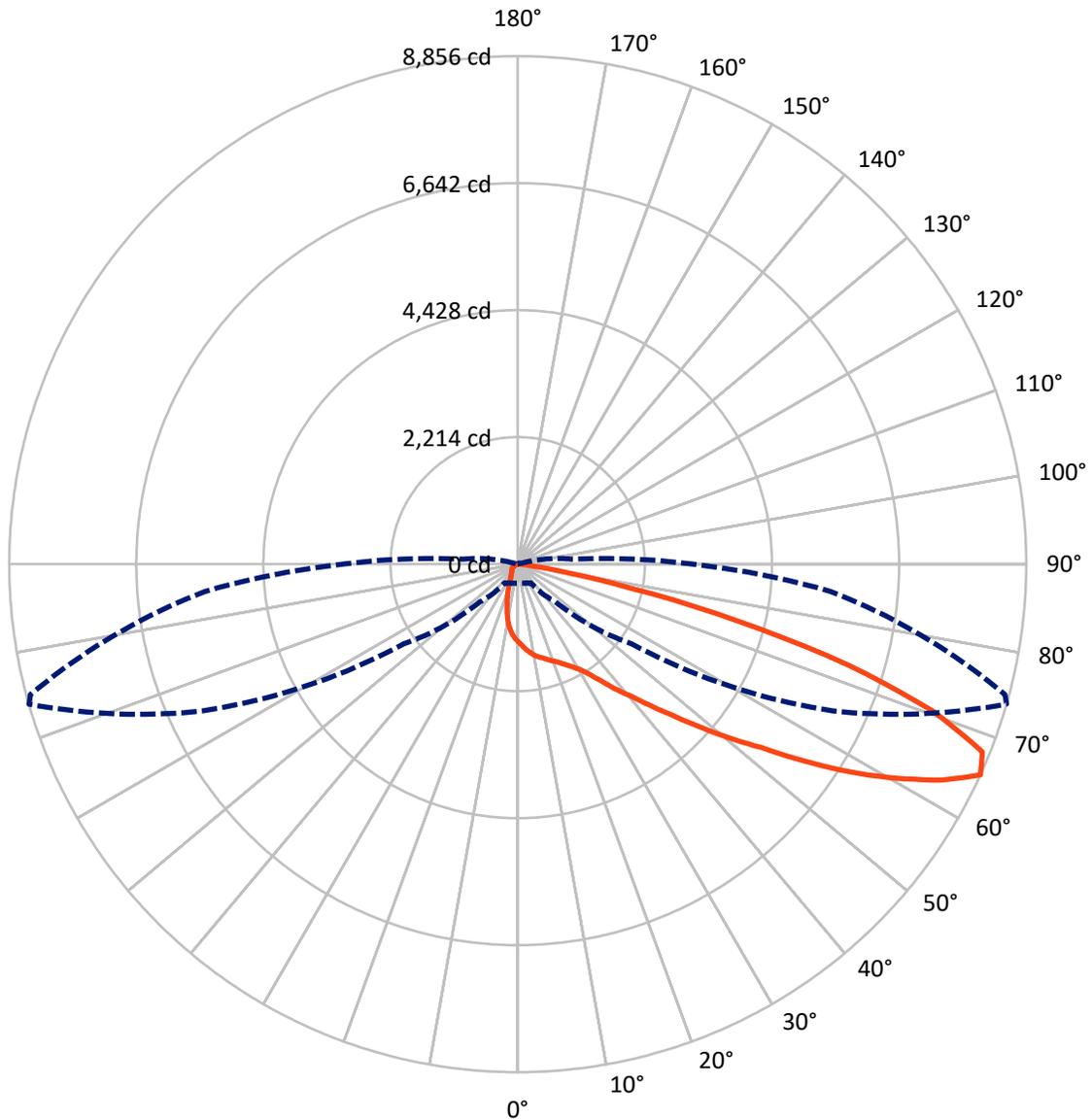
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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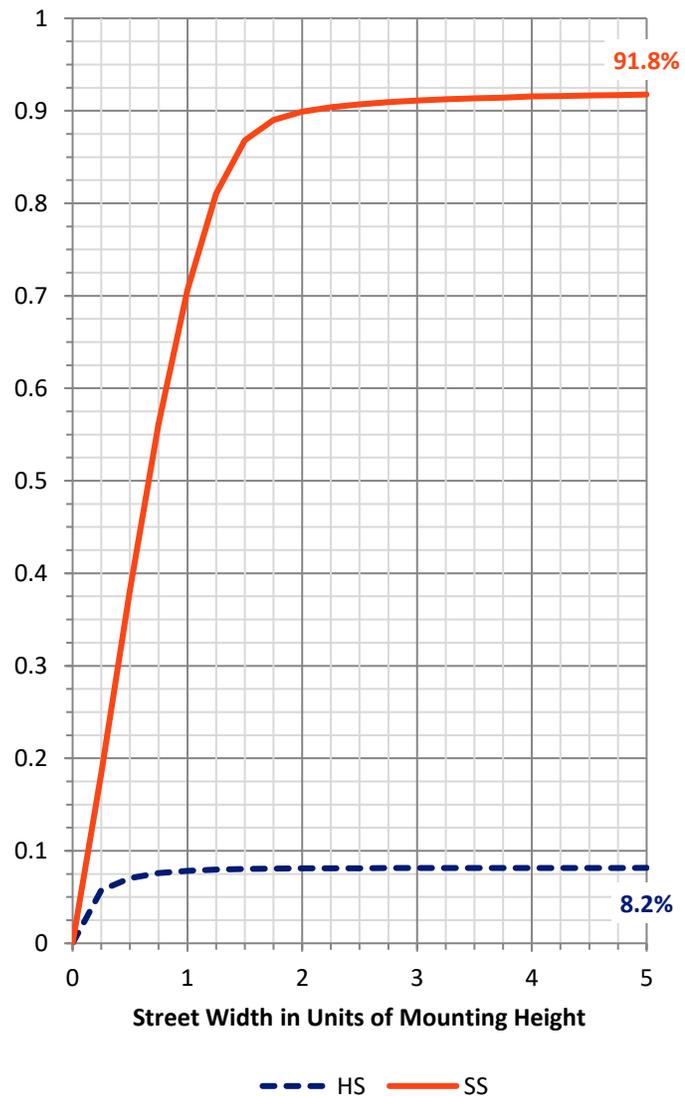
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	511.0	0.0	511.0
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	5705.0	0.0	5705.0
	% Fixture	91.8	0.0	91.8
Total	Lumens	6216.0	0.0	6216.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	1.9
10°-20°	283.3	4.6
20°-30°	441.7	7.1
30°-40°	697.2	11.2
40°-50°	1084.4	17.4
50°-60°	1567.5	25.2
60°-70°	1416.9	22.8
70°-80°	569.5	9.2
80°-90°	40.0	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°	6216.0	100.0
0°-180°	6216.0	100.0



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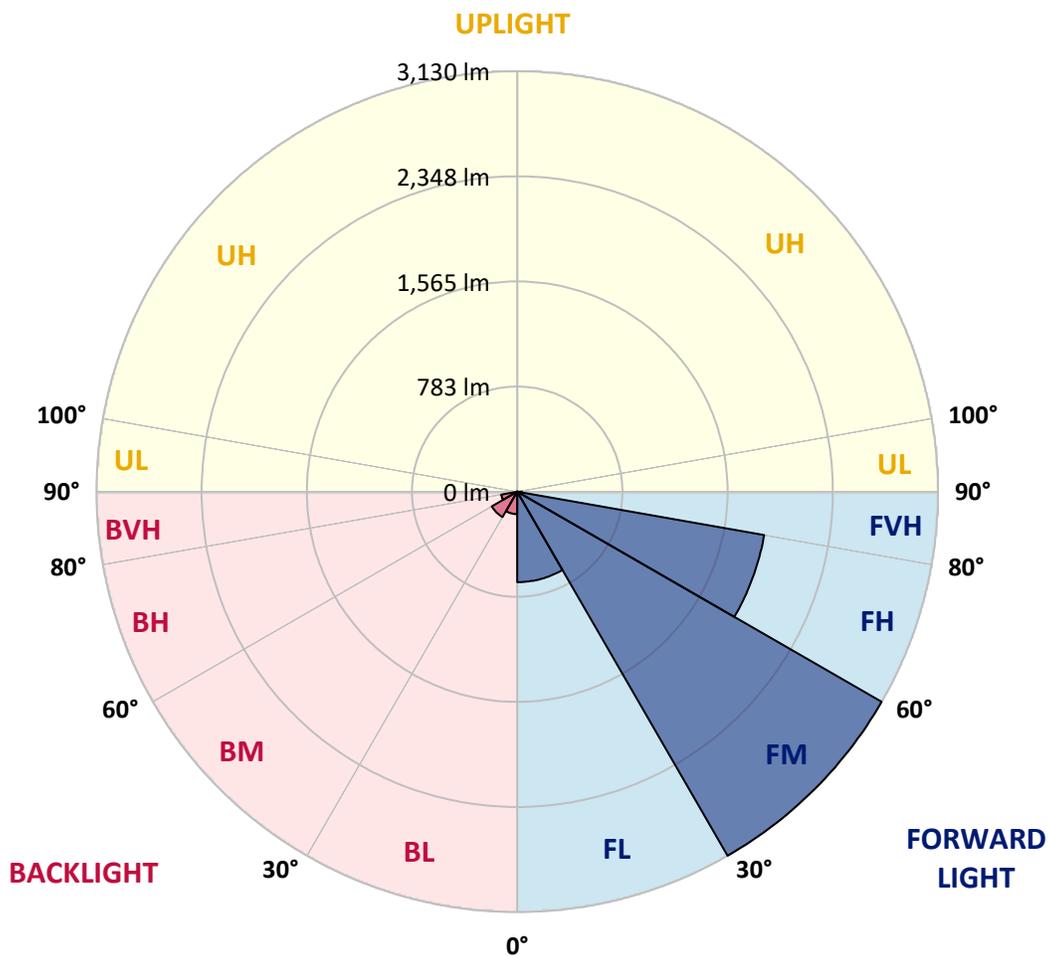
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	673.4	10.8			
FM	(30°-60°)	3130.5	50.4			
FH	(60°-80°)	1865.6	30.0			G2/5000
FVH	(80°-90°)	35.5	0.6			G1/100
BL	(0°-30°)	167.1	2.7	B1/500		
BM	(30°-60°)	218.6	3.5	B0/220		
BH	(60°-80°)	120.7	1.9	B1/500		G1/500
BVH	(80°-90°)	4.5	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3
2.5°	1528.2	1522.5	1525.4	1513.0	1511.1	1498.8	1471.2	1443.7	1418.0	1411.3	1380.0
5°	1639.4	1636.6	1633.7	1631.8	1623.3	1613.8	1574.8	1537.7	1490.2	1481.7	1416.1
7.5°	1668.9	1666.1	1671.8	1681.3	1687.0	1682.2	1653.7	1617.6	1557.7	1548.2	1453.2
10°	1603.3	1600.5	1626.1	1663.2	1697.4	1722.1	1711.7	1679.4	1616.6	1607.1	1478.8
12.5°	1458.9	1455.1	1496.9	1572.9	1653.7	1724.0	1744.9	1723.1	1664.1	1653.7	1499.7
15°	1326.8	1321.1	1362.9	1439.9	1541.5	1677.5	1757.3	1763.9	1703.1	1696.5	1522.5
17.5°	1256.4	1257.4	1283.0	1346.7	1444.6	1592.9	1744.0	1802.0	1755.4	1746.8	1547.3
20°	1284.9	1286.8	1289.7	1314.4	1373.3	1518.7	1714.5	1842.8	1806.7	1797.2	1578.6
22.5°	1367.6	1372.4	1364.8	1351.5	1359.1	1464.6	1684.1	1887.5	1865.6	1856.1	1600.5
25°	1521.6	1515.9	1492.1	1438.9	1400.9	1448.4	1673.7	1938.8	1939.8	1928.4	1627.1
27.5°	1705.0	1689.8	1661.3	1576.7	1483.6	1475.0	1670.8	1993.9	2026.3	2010.1	1657.5
30°	1860.9	1853.3	1818.1	1740.2	1600.5	1536.8	1678.4	2047.2	2128.9	2120.3	1697.4
32.5°	1961.6	1959.7	1934.1	1881.8	1759.2	1636.6	1711.7	2119.4	2283.8	2255.3	1773.4
35°	2046.2	2037.7	2017.7	1983.5	1909.4	1772.5	1782.0	2235.3	2492.9	2484.3	1895.1
37.5°	2142.2	2131.7	2108.0	2065.2	2013.9	1933.1	1894.1	2385.5	2759.0	2755.2	2055.7
40°	2253.4	2246.7	2223.0	2166.0	2102.3	2053.8	2011.0	2540.4	3016.6	2990.0	2204.0
42.5°	2362.7	2364.6	2346.5	2287.6	2201.1	2135.5	2149.8	2698.2	3352.1	3338.8	2434.9
45°	2487.2	2480.5	2471.0	2428.3	2335.1	2200.2	2282.9	2916.8	3741.7	3775.0	2770.4
47.5°	2574.6	2572.7	2591.7	2559.4	2482.4	2303.8	2419.7	3187.6	4220.7	4252.1	3139.2
50°	2597.4	2594.6	2658.3	2684.9	2682.0	2504.3	2607.9	3530.7	4747.2	4742.5	3551.6
52.5°	2451.1	2457.7	2581.3	2722.9	2855.0	2813.2	2947.2	4003.1	5309.9	5326.0	3939.4
55°	2031.0	2072.8	2209.7	2537.6	2885.4	3127.8	3384.4	4653.2	6052.1	6009.4	4244.5
57.5°	1273.5	1251.7	1482.6	1957.8	2511.0	3151.5	3737.9	5306.1	6844.8	6790.6	4693.1
60°	649.1	620.6	755.6	1092.0	1743.0	2648.8	3745.5	5875.4	7575.6	7514.8	5146.4
62.5°	397.3	392.5	420.1	533.2	902.9	1786.8	3245.6	6219.4	8290.3	8241.9	5453.4
65°	334.5	333.6	344.0	362.1	400.1	927.6	2421.6	6051.2	8855.8	8785.5	5471.4
67.5°	296.5	296.5	318.4	326.9	266.1	399.2	1485.5	5351.7	8723.7	8710.4	5090.3
70°	255.7	251.9	282.3	307.9	221.4	205.3	765.1	4299.6	7664.0	7707.7	4335.7
72.5°	192.9	196.7	228.1	262.3	181.5	144.5	349.7	3009.0	6035.0	6055.9	3407.2
75°	145.4	149.2	176.8	214.8	146.4	109.3	192.9	1955.0	3952.7	4000.2	1990.1
77.5°	111.2	112.1	139.7	177.7	113.1	83.6	130.2	1086.3	2003.4	1960.7	773.6
80°	77.0	79.8	109.3	137.8	90.3	62.7	87.4	470.4	723.3	667.2	240.5
82.5°	28.5	37.1	77.0	99.8	63.7	44.7	64.6	189.1	211.9	198.6	88.4
85°	4.8	4.8	41.8	73.2	34.2	26.6	40.9	65.6	69.4	73.2	45.6
87.5°	0.0	0.0	4.8	16.2	5.7	3.8	11.4	16.2	33.3	37.1	24.7
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°	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3
2.5°	1359.1	1339.1	1299.2	1265.0	1211.8	1165.2	1135.7	1112.9	1095.8	1075.9	1055.9
5°	1374.3	1327.7	1229.8	1119.6	1006.5	904.8	821.1	745.1	695.7	690.0	666.2
7.5°	1387.6	1313.5	1148.1	952.3	779.3	632.0	528.4	464.7	409.6	392.5	400.1
10°	1387.6	1288.7	1039.7	770.8	562.6	412.5	336.4	294.6	279.4	272.8	267.1
12.5°	1383.8	1248.8	903.8	600.7	391.6	300.3	266.1	250.9	242.4	238.6	236.6
15°	1378.1	1200.4	769.8	448.6	299.4	257.6	240.5	229.0	221.4	217.6	214.8
17.5°	1374.3	1150.0	648.2	340.2	258.5	234.7	220.5	209.1	202.4	196.7	195.8
20°	1362.9	1091.1	530.3	279.4	234.7	214.8	199.6	189.1	182.5	175.8	175.8
22.5°	1344.8	1007.4	419.1	243.3	214.8	194.8	178.7	168.2	161.6	157.8	155.9
25°	1322.0	924.7	332.6	222.4	195.8	173.9	159.7	149.2	143.5	141.6	139.7
27.5°	1296.3	842.1	273.7	205.3	177.7	156.8	140.7	133.1	129.3	127.4	125.5
30°	1275.4	767.0	237.6	191.0	160.6	139.7	125.5	118.8	115.9	115.0	113.1
32.5°	1277.3	703.3	212.9	174.9	147.3	126.4	112.1	105.5	105.5	104.5	104.5
35°	1312.5	663.4	195.8	160.6	133.1	113.1	100.7	95.0	96.9	96.9	96.0
37.5°	1350.5	623.5	179.6	145.4	120.7	100.7	88.4	85.5	86.5	87.4	87.4
40°	1399.9	594.0	166.3	131.2	108.3	90.3	79.8	77.0	77.0	77.0	76.0
42.5°	1512.1	591.1	154.9	118.8	96.9	79.8	72.2	68.4	66.5	65.6	63.7
45°	1669.9	612.1	147.3	107.4	85.5	72.2	65.6	60.8	55.1	52.3	51.3
47.5°	1873.2	666.2	140.7	96.9	75.1	65.6	58.9	52.3	44.7	40.9	39.9
50°	2127.0	750.8	134.0	88.4	67.5	58.9	51.3	42.8	35.2	31.4	31.4
52.5°	2364.6	850.6	127.4	80.8	59.9	54.2	43.7	34.2	27.6	24.7	23.8
55°	2578.4	962.8	119.8	72.2	54.2	47.5	36.1	26.6	20.0	17.1	16.2
57.5°	2836.0	1104.4	110.2	63.7	48.5	40.9	28.5	19.0	13.3	9.5	8.6
60°	3117.3	1175.6	97.9	56.1	41.8	34.2	21.9	13.3	7.6	3.8	3.8
62.5°	3208.5	1140.5	82.7	48.5	36.1	27.6	16.2	8.6	2.9	0.0	0.0
65°	3042.2	977.0	70.3	42.8	31.4	20.9	11.4	4.8	0.0	0.0	0.0
67.5°	2659.2	760.3	58.0	37.1	26.6	17.1	7.6	1.0	0.0	0.0	0.0
70°	2195.4	563.6	48.5	30.4	22.8	13.3	4.8	0.0	0.0	0.0	0.0
72.5°	1694.6	400.1	41.8	25.7	19.0	10.5	2.9	0.0	0.0	0.0	0.0
75°	957.1	214.8	38.0	25.7	17.1	8.6	1.9	0.0	0.0	0.0	0.0
77.5°	395.4	98.8	33.3	25.7	17.1	9.5	2.9	0.0	0.0	0.0	0.0
80°	123.6	50.4	28.5	26.6	18.1	10.5	2.9	0.0	0.0	0.0	0.0
82.5°	58.0	39.0	29.5	24.7	16.2	9.5	2.9	0.0	0.0	0.0	0.0
85°	30.4	20.0	20.9	20.9	14.3	8.6	2.9	0.0	0.0	0.0	0.0
87.5°	8.6	1.0	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)