

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: P1208853

Luminaire Tested: UPW-SA2-070-750-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-750-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6726 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

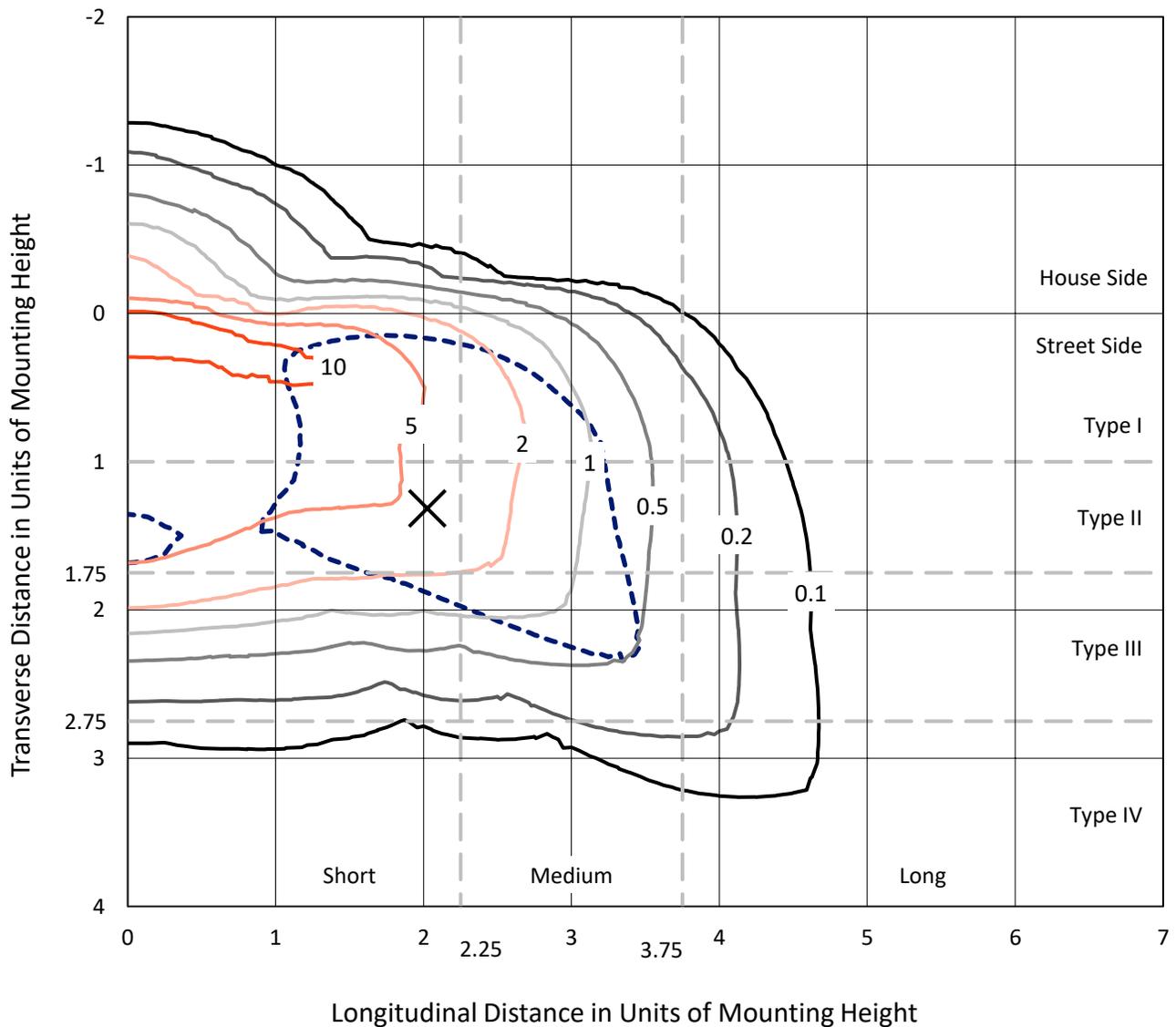
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

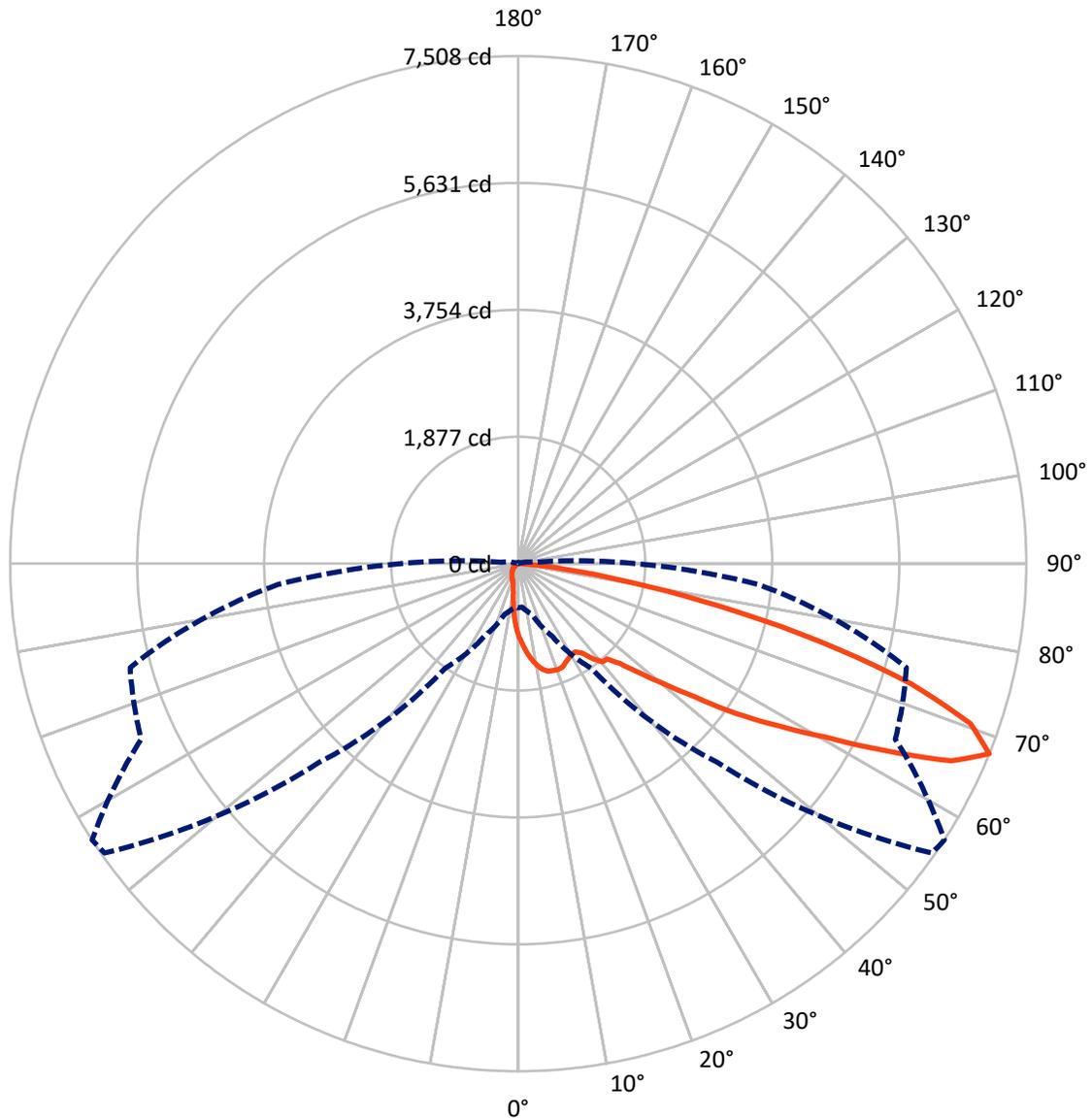
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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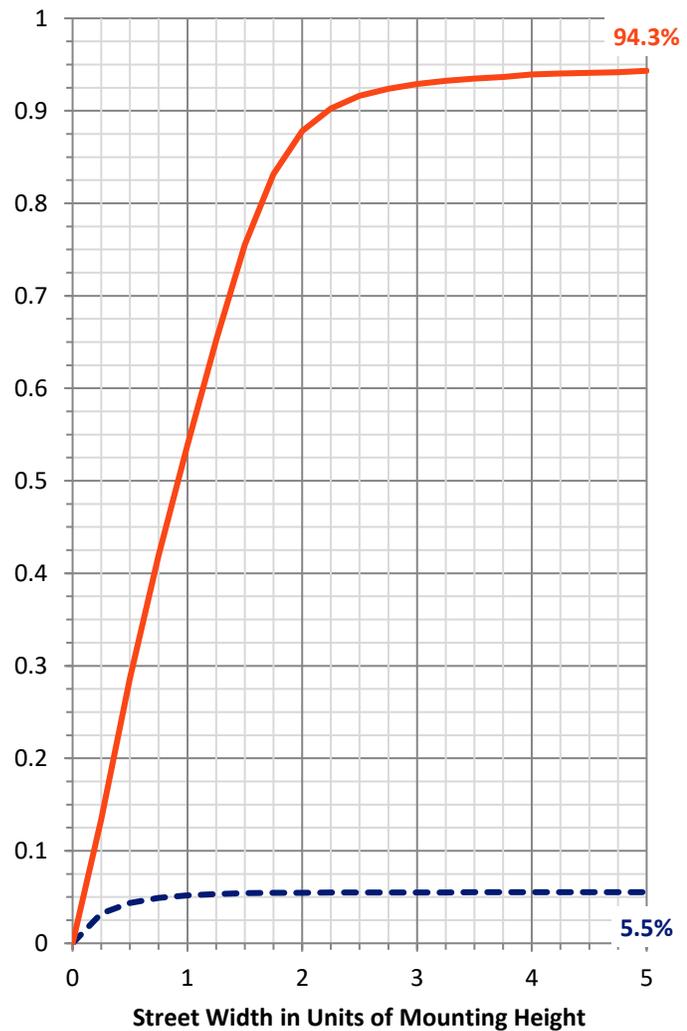
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	374.3	0.0	374.3
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	6351.7	0.0	6351.7
	% Fixture	94.4	0.0	94.4
Total	Lumens	6726.0	0.0	6726.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.4
10°-20°	250.2	3.7
20°-30°	366.2	5.4
30°-40°	550.6	8.2
40°-50°	898.3	13.4
50°-60°	1700.2	25.3
60°-70°	1943.0	28.9
70°-80°	848.1	12.6
80°-90°	73.3	1.1
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°	6726.0	100.0
0°-180°	6726.0	100.0



--- HS — SS

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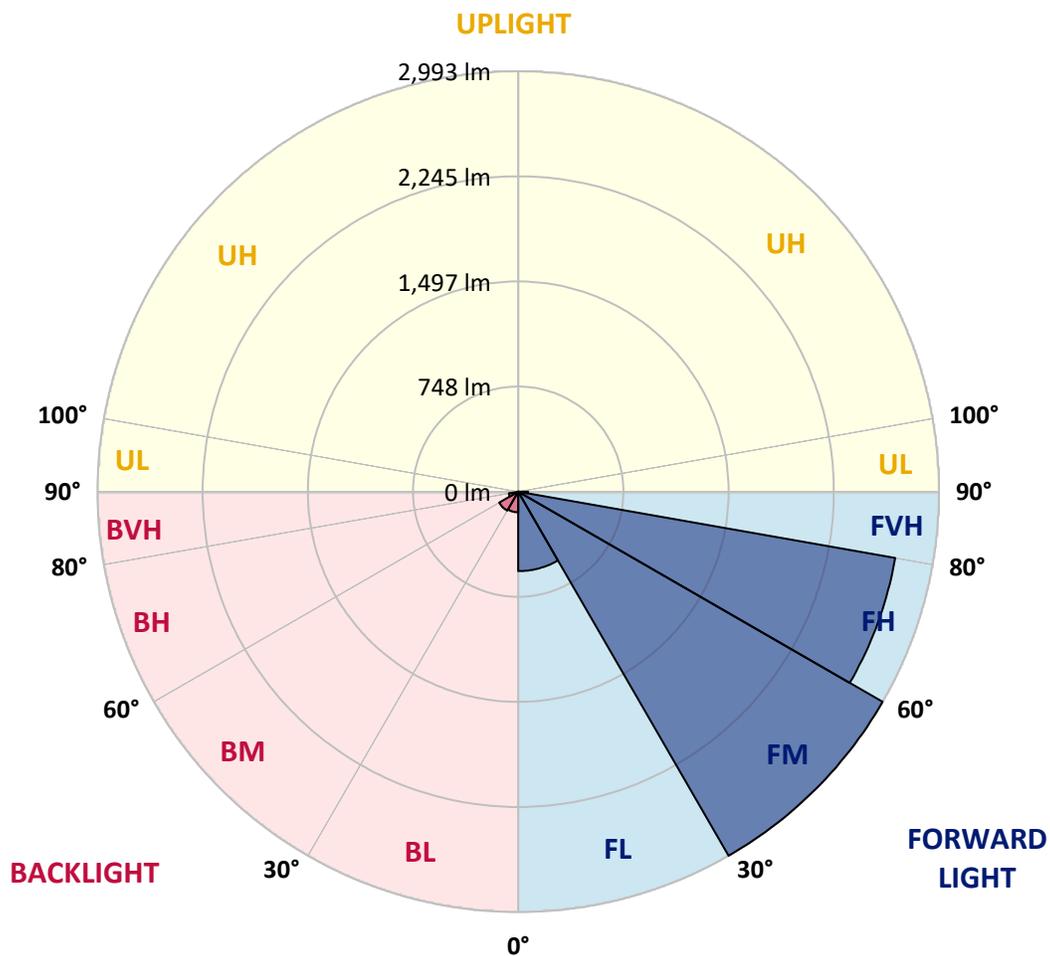
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.6	8.4			
FM	(30°-60°)	2993.2	44.5			
FH	(60°-80°)	2723.2	40.5			G2/5000
FVH	(80°-90°)	69.6	1.0			G1/100
BL	(0°-30°)	146.9	2.2	B1/500		
BM	(30°-60°)	156.0	2.3	B0/220		
BH	(60°-80°)	67.8	1.0	B0/110		G0/110
BVH	(80°-90°)	3.7	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1
2.5°	1263.2	1273.6	1277.8	1260.1	1243.4	1230.8	1205.8	1190.1	1166.1	1136.9	1096.2
5°	1449.0	1448.0	1437.5	1424.0	1416.7	1377.0	1335.2	1318.5	1279.9	1206.8	1127.5
7.5°	1519.0	1525.2	1532.5	1524.2	1511.7	1490.8	1441.7	1429.2	1372.8	1277.8	1166.1
10°	1486.6	1497.0	1509.6	1531.5	1573.3	1580.6	1543.0	1529.4	1461.6	1357.2	1198.5
12.5°	1337.3	1353.0	1373.9	1444.8	1541.9	1602.5	1610.8	1606.7	1549.2	1428.1	1221.4
15°	1139.0	1122.3	1176.6	1274.7	1434.4	1573.3	1648.4	1651.6	1622.3	1495.0	1246.5
17.5°	989.7	1005.3	1029.4	1103.5	1269.5	1468.9	1643.2	1663.0	1676.6	1566.0	1275.7
20°	964.6	965.7	976.1	1016.8	1103.5	1343.6	1625.5	1672.4	1743.4	1635.9	1288.3
22.5°	988.6	982.4	987.6	995.9	1050.2	1216.2	1587.9	1664.1	1783.1	1722.5	1314.4
25°	1020.0	1027.3	1017.9	1007.4	1038.7	1158.8	1544.0	1622.3	1842.6	1799.8	1325.8
27.5°	1107.6	1111.8	1086.8	1049.2	1060.7	1132.7	1476.2	1588.9	1932.4	1886.4	1344.6
30°	1250.7	1246.5	1194.3	1132.7	1106.6	1149.4	1433.4	1552.4	1980.4	1953.3	1335.2
32.5°	1357.2	1348.8	1297.7	1234.0	1188.0	1213.1	1433.4	1556.6	2077.5	2070.2	1353.0
35°	1453.2	1445.9	1382.2	1331.1	1291.4	1314.4	1513.8	1624.4	2216.3	2287.3	1415.6
37.5°	1557.6	1537.8	1487.7	1398.9	1386.4	1475.1	1687.1	1778.9	2436.6	2488.8	1417.7
40°	1722.5	1705.8	1625.5	1533.6	1465.7	1595.2	1822.8	1910.5	2592.2	2650.6	1409.4
42.5°	1949.1	1909.4	1810.2	1676.6	1568.0	1659.9	1838.4	1929.3	2710.1	2902.2	1489.7
45°	2195.5	2184.0	2046.2	1873.9	1759.1	1747.6	2004.4	2104.6	2972.2	3308.3	1664.1
47.5°	2551.5	2461.7	2280.0	2096.3	1998.2	1920.9	2259.1	2411.6	3291.6	3783.3	1924.0
50°	2926.2	2874.0	2597.4	2343.7	2223.6	2195.5	2662.1	2799.9	3700.9	4317.8	2357.3
52.5°	3565.1	3445.1	3071.4	2751.9	2544.1	2517.0	3100.6	3277.0	4162.3	4955.7	2794.7
55°	3995.3	3921.1	3545.3	3304.2	3031.7	2949.2	3721.7	3914.9	4727.1	5512.1	3232.1
57.5°	4133.1	4042.2	3704.0	3645.5	3582.9	3629.9	4365.9	4526.6	5118.6	5946.4	3619.4
60°	3580.8	3577.7	3384.5	3537.0	3847.0	4389.9	5126.9	5197.9	5435.9	6212.6	3860.6
62.5°	2575.5	2567.1	2605.7	2983.7	3562.0	4904.6	6174.0	6094.7	5711.5	6360.9	3991.1
65°	1335.2	1341.5	1535.7	2033.6	2865.7	4864.9	7132.4	7032.2	5881.7	6270.1	3899.2
67.5°	651.4	646.2	772.5	1182.8	1892.7	4153.9	7461.2	7508.2	6149.0	5937.0	3567.2
70°	324.7	328.8	420.7	624.3	1033.5	2983.7	6890.2	7089.6	5902.6	5228.2	3037.9
72.5°	228.6	231.8	286.0	370.6	483.4	1811.3	5718.8	6062.3	4926.5	4159.2	2141.2
75°	163.9	169.1	209.8	276.7	268.3	909.3	4420.2	4623.7	3571.4	2568.2	1134.8
77.5°	119.0	126.3	163.9	213.0	185.8	382.1	3060.9	3055.7	2014.9	1220.4	459.3
80°	78.3	83.5	121.1	157.6	132.6	177.5	1793.5	1689.1	891.5	467.7	167.0
82.5°	43.8	45.9	81.4	109.6	91.9	83.5	801.8	739.1	301.7	171.2	78.3
85°	3.1	5.2	48.0	68.9	49.1	41.8	224.5	203.6	97.1	78.3	41.8
87.5°	0.0	0.0	6.3	12.5	8.4	6.3	54.3	47.0	29.2	45.9	20.9
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°	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1	1070.1
2.5°	1079.5	1050.2	1006.4	963.6	921.8	884.2	857.1	830.0	818.5	792.4	837.3
5°	1085.7	1033.5	929.1	827.9	740.2	646.2	584.6	540.8	518.9	499.0	500.1
7.5°	1092.0	1012.6	851.9	680.7	554.3	455.2	399.8	380.0	371.7	361.2	361.2
10°	1084.7	979.2	741.2	535.6	407.1	353.9	323.6	316.3	320.5	319.5	322.6
12.5°	1084.7	939.6	628.5	417.6	334.1	302.8	294.4	293.4	299.6	303.8	305.9
15°	1071.1	879.0	515.7	342.4	292.3	280.8	277.7	277.7	281.9	286.0	285.0
17.5°	1059.6	818.5	421.8	294.4	267.3	264.1	262.0	259.9	265.2	269.3	270.4
20°	1031.4	733.9	347.6	265.2	250.6	246.4	245.3	243.2	248.5	252.6	255.8
22.5°	990.7	637.9	297.5	243.2	235.9	230.7	227.6	228.6	233.8	238.0	235.9
25°	936.4	553.3	261.0	227.6	217.1	214.0	209.8	211.9	213.0	217.1	220.3
27.5°	876.9	470.8	237.0	215.1	204.6	198.4	193.1	192.1	193.1	198.4	196.3
30°	789.2	398.8	220.3	200.4	189.0	180.6	174.3	171.2	170.2	171.2	172.3
32.5°	722.4	350.8	208.8	189.0	174.3	163.9	156.6	150.3	148.2	146.2	146.2
35°	679.6	324.7	197.3	173.3	159.7	149.3	137.8	130.5	126.3	124.2	125.3
37.5°	587.8	279.8	183.7	161.8	146.2	133.6	122.1	110.7	107.5	109.6	109.6
40°	510.5	240.1	171.2	148.2	130.5	119.0	106.5	92.9	90.8	97.1	98.1
42.5°	481.3	222.4	159.7	135.7	116.9	107.5	90.8	80.4	80.4	85.6	86.6
45°	516.8	217.1	149.3	124.2	105.4	95.0	78.3	68.9	68.9	74.1	75.2
47.5°	629.5	225.5	138.8	112.7	97.1	83.5	64.7	60.6	60.6	62.6	63.7
50°	868.6	252.6	128.4	101.3	88.7	71.0	56.4	52.2	51.2	52.2	52.2
52.5°	1172.4	306.9	116.9	90.8	78.3	59.5	49.1	44.9	41.8	41.8	40.7
55°	1479.3	365.4	105.4	80.4	67.9	51.2	41.8	37.6	32.4	30.3	29.2
57.5°	1749.7	412.4	91.9	71.0	58.5	43.8	36.5	28.2	20.9	16.7	16.7
60°	1917.8	424.9	79.3	61.6	48.0	37.6	29.2	18.8	10.4	8.4	7.3
62.5°	1949.1	385.2	67.9	52.2	40.7	31.3	20.9	10.4	4.2	1.0	1.0
65°	1864.5	303.8	58.5	43.8	33.4	25.1	13.6	5.2	0.0	0.0	0.0
67.5°	1722.5	239.1	49.1	36.5	28.2	19.8	8.4	1.0	0.0	0.0	0.0
70°	1502.3	191.0	42.8	31.3	24.0	16.7	5.2	0.0	0.0	0.0	0.0
72.5°	1106.6	126.3	37.6	28.2	20.9	12.5	3.1	0.0	0.0	0.0	0.0
75°	605.5	80.4	34.5	26.1	19.8	10.4	2.1	0.0	0.0	0.0	0.0
77.5°	245.3	56.4	30.3	25.1	19.8	10.4	2.1	0.0	0.0	0.0	0.0
80°	92.9	39.7	26.1	21.9	18.8	10.4	2.1	0.0	0.0	0.0	0.0
82.5°	49.1	32.4	25.1	21.9	17.7	9.4	1.0	0.0	0.0	0.0	0.0
85°	24.0	10.4	12.5	12.5	14.6	8.4	1.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.0	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)