

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: P1208500

Luminaire Tested: UPW-SA1-070-727-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-727-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS 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: 4864 lumens
Efficiency: N/A
Efficacy: 72.6 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

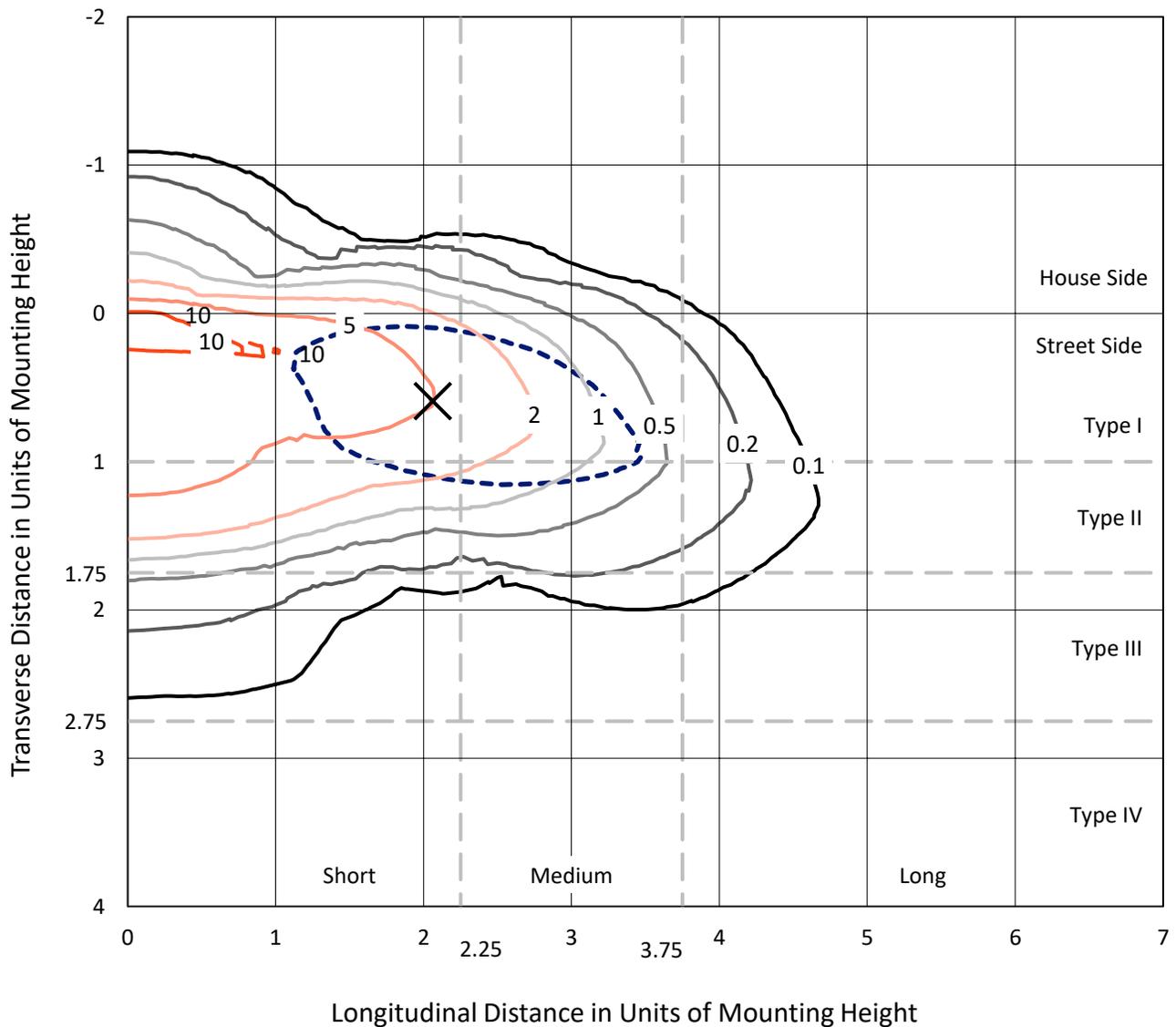
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

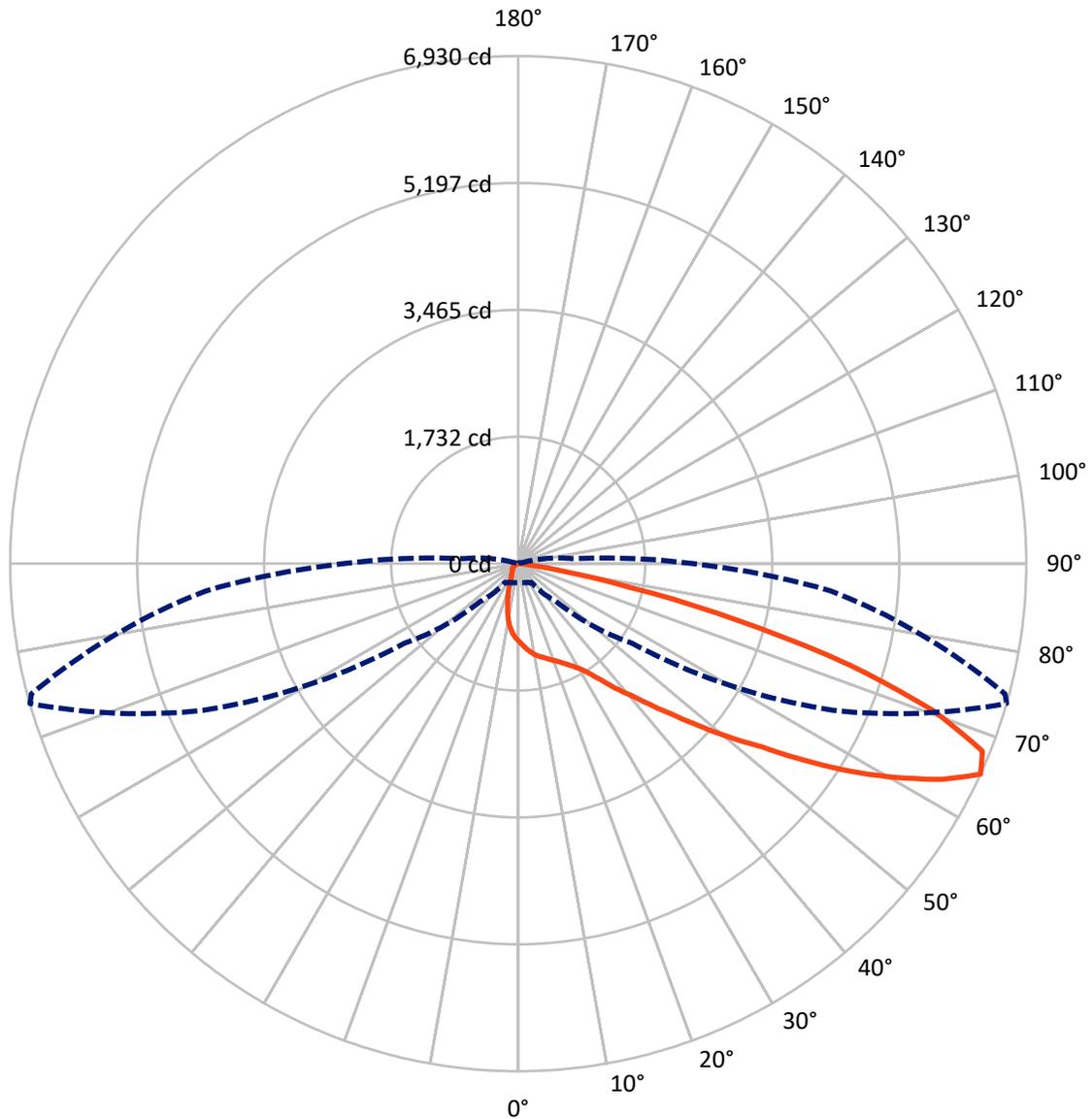
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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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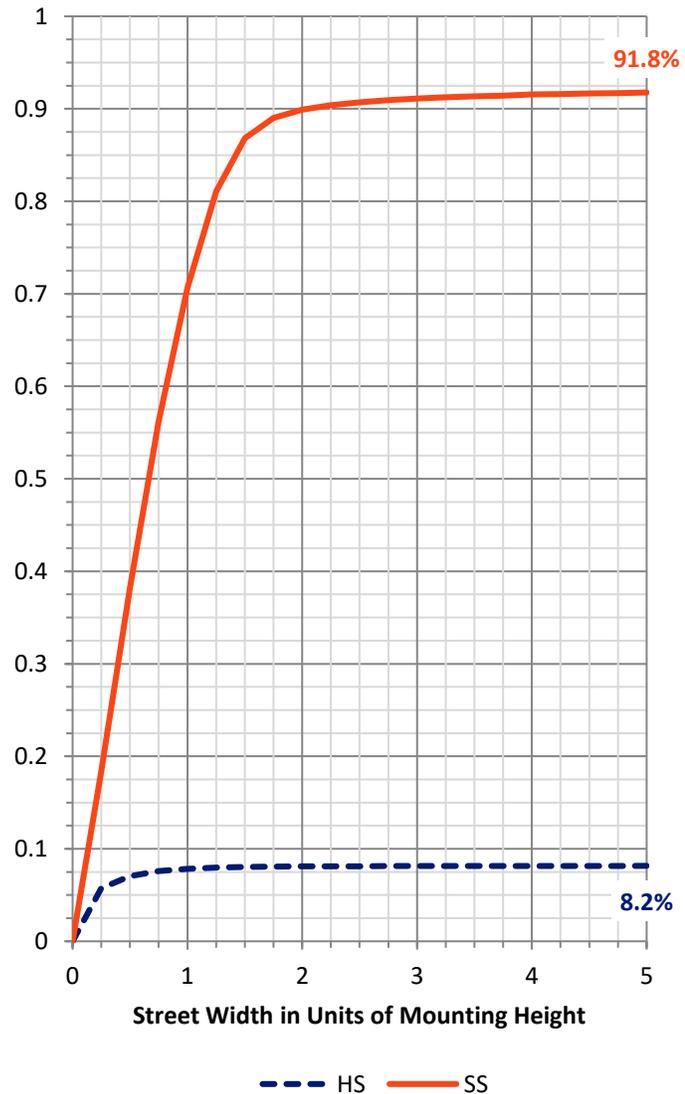
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	399.8	0.0	399.8
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	4464.2	0.0	4464.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	4864.0	0.0	4864.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	1.9
10°-20°	221.7	4.6
20°-30°	345.6	7.1
30°-40°	545.5	11.2
40°-50°	848.5	17.4
50°-60°	1226.6	25.2
60°-70°	1108.7	22.8
70°-80°	445.6	9.2
80°-90°	31.3	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°	4864.0	100.0
0°-180°	4864.0	100.0



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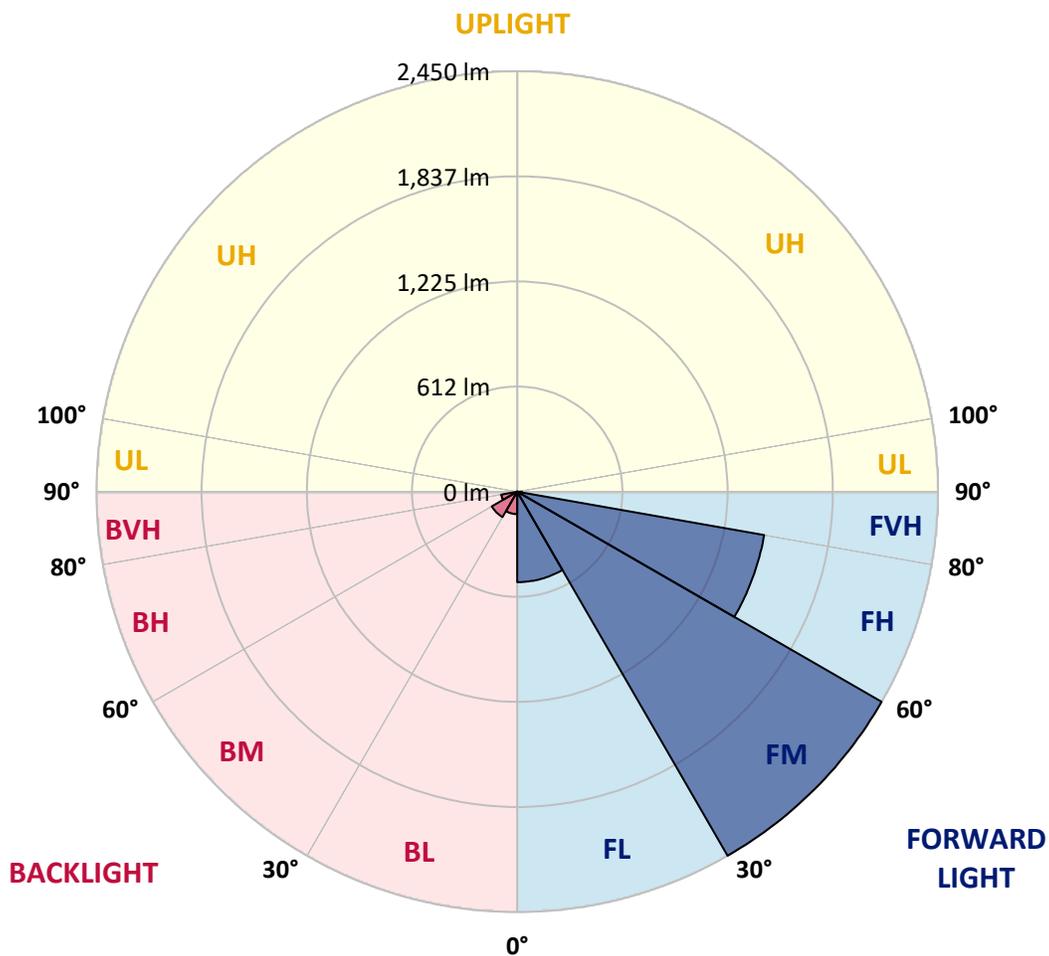
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.9	10.8			
FM (30°-60°)	2449.6	50.4			
FH (60°-80°)	1459.8	30.0			G1/1800
FVH (80°-90°)	27.8	0.6			G1/100
BL (0°-30°)	130.8	2.7	B1/500		
BM (30°-60°)	171.1	3.5	B0/220		
BH (60°-80°)	94.5	1.9	B0/110		G0/110
BVH (80°-90°)	3.5	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1195.8	1191.4	1193.6	1183.9	1182.5	1172.8	1151.2	1129.7	1109.6	1104.4	1079.8
5°	1282.9	1280.6	1278.4	1276.9	1270.2	1262.8	1232.3	1203.3	1166.1	1159.4	1108.1
7.5°	1305.9	1303.7	1308.1	1315.6	1320.0	1316.3	1294.0	1265.8	1218.9	1211.5	1137.1
10°	1254.6	1252.4	1272.4	1301.4	1328.2	1347.6	1339.4	1314.1	1265.0	1257.6	1157.2
12.5°	1141.6	1138.6	1171.3	1230.8	1294.0	1349.0	1365.4	1348.3	1302.2	1294.0	1173.5
15°	1038.2	1033.7	1066.4	1126.7	1206.3	1312.6	1375.1	1380.3	1332.7	1327.5	1191.4
17.5°	983.2	983.9	1004.0	1053.8	1130.4	1246.4	1364.7	1410.0	1373.6	1366.9	1210.7
20°	1005.5	1006.9	1009.2	1028.5	1074.6	1188.4	1341.6	1442.0	1413.7	1406.3	1235.3
22.5°	1070.2	1073.9	1067.9	1057.5	1063.5	1146.0	1317.8	1477.0	1459.9	1452.4	1252.4
25°	1190.6	1186.2	1167.6	1125.9	1096.2	1133.4	1309.6	1517.1	1517.9	1508.9	1273.2
27.5°	1334.2	1322.3	1300.0	1233.8	1160.9	1154.2	1307.4	1560.3	1585.5	1572.9	1297.0
30°	1456.1	1450.2	1422.7	1361.7	1252.4	1202.5	1313.3	1601.9	1665.9	1659.2	1328.2
32.5°	1535.0	1533.5	1513.4	1472.5	1376.6	1280.6	1339.4	1658.4	1787.1	1764.8	1387.7
35°	1601.2	1594.5	1578.8	1552.1	1494.1	1387.0	1394.4	1749.1	1950.7	1944.0	1482.9
37.5°	1676.3	1668.1	1649.5	1616.0	1575.9	1512.7	1482.2	1866.6	2158.9	2155.9	1608.6
40°	1763.3	1758.1	1739.5	1694.9	1645.0	1607.1	1573.6	1987.9	2360.5	2339.6	1724.6
42.5°	1848.8	1850.3	1836.2	1790.0	1722.4	1671.1	1682.2	2111.3	2623.0	2612.6	1905.3
45°	1946.2	1941.0	1933.6	1900.1	1827.2	1721.6	1786.3	2282.4	2927.9	2953.9	2167.8
47.5°	2014.6	2013.2	2028.0	2002.7	1942.5	1802.7	1893.4	2494.3	3302.7	3327.2	2456.4
50°	2032.5	2030.3	2080.1	2100.9	2098.7	1959.6	2040.7	2762.8	3714.7	3711.0	2779.1
52.5°	1918.0	1923.2	2019.8	2130.7	2234.0	2201.3	2306.2	3132.4	4155.0	4167.6	3082.6
55°	1589.3	1622.0	1729.1	1985.6	2257.8	2447.5	2648.3	3641.1	4735.8	4702.3	3321.3
57.5°	996.5	979.4	1160.1	1532.0	1964.8	2466.1	2924.9	4152.0	5356.0	5313.6	3672.3
60°	507.9	485.6	591.2	854.5	1363.9	2072.6	2930.9	4597.5	5927.9	5880.3	4027.1
62.5°	310.9	307.1	328.7	417.2	706.5	1398.1	2539.7	4866.7	6487.2	6449.2	4267.3
65°	261.8	261.0	269.2	283.3	313.1	725.8	1894.9	4735.0	6929.7	6874.6	4281.4
67.5°	232.0	232.0	249.1	255.8	208.2	312.3	1162.4	4187.7	6826.3	6815.9	3983.2
70°	200.1	197.1	220.9	241.0	173.3	160.6	598.7	3364.4	5997.1	6031.3	3392.7
72.5°	151.0	153.9	178.5	205.3	142.0	113.0	273.7	2354.5	4722.4	4738.8	2666.1
75°	113.8	116.8	138.3	168.1	114.5	85.5	151.0	1529.8	3093.0	3130.2	1557.3
77.5°	87.0	87.8	109.3	139.1	88.5	65.4	101.9	850.0	1567.7	1534.2	605.4
80°	60.2	62.5	85.5	107.8	70.7	49.1	68.4	368.1	565.9	522.1	188.2
82.5°	22.3	29.0	60.2	78.1	49.8	35.0	50.6	148.0	165.8	155.4	69.2
85°	3.7	3.7	32.7	57.3	26.8	20.8	32.0	51.3	54.3	57.3	35.7
87.5°	0.0	0.0	3.7	12.6	4.5	3.0	8.9	12.6	26.0	29.0	19.3
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°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1063.5	1047.9	1016.6	989.8	948.2	911.8	888.7	870.9	857.5	841.9	826.2
5°	1075.4	1038.9	962.3	876.1	787.6	708.0	642.5	583.0	544.4	539.9	521.3
7.5°	1085.8	1027.8	898.4	745.2	609.8	494.6	413.5	363.7	320.5	307.1	313.1
10°	1085.8	1008.4	813.6	603.1	440.3	322.8	263.3	230.5	218.6	213.4	209.0
12.5°	1082.8	977.2	707.2	470.0	306.4	235.0	208.2	196.3	189.6	186.7	185.2
15°	1078.3	939.3	602.4	351.0	234.3	201.5	188.2	179.2	173.3	170.3	168.1
17.5°	1075.4	899.9	507.2	266.2	202.3	183.7	172.5	163.6	158.4	153.9	153.2
20°	1066.4	853.7	415.0	218.6	183.7	168.1	156.2	148.0	142.8	137.6	137.6
22.5°	1052.3	788.3	328.0	190.4	168.1	152.5	139.8	131.6	126.4	123.5	122.0
25°	1034.5	723.6	260.3	174.0	153.2	136.1	124.9	116.8	112.3	110.8	109.3
27.5°	1014.4	658.9	214.2	160.6	139.1	122.7	110.1	104.1	101.1	99.7	98.2
30°	998.0	600.2	185.9	149.5	125.7	109.3	98.2	93.0	90.7	90.0	88.5
32.5°	999.5	550.3	166.6	136.8	115.3	98.9	87.8	82.5	82.5	81.8	81.8
35°	1027.0	519.1	153.2	125.7	104.1	88.5	78.8	74.4	75.9	75.9	75.1
37.5°	1056.8	487.9	140.6	113.8	94.4	78.8	69.2	66.9	67.7	68.4	68.4
40°	1095.4	464.8	130.1	102.6	84.8	70.7	62.5	60.2	60.2	60.2	59.5
42.5°	1183.2	462.6	121.2	93.0	75.9	62.5	56.5	53.5	52.1	51.3	49.8
45°	1306.7	478.9	115.3	84.0	66.9	56.5	51.3	47.6	43.1	40.9	40.2
47.5°	1465.8	521.3	110.1	75.9	58.8	51.3	46.1	40.9	35.0	32.0	31.2
50°	1664.4	587.5	104.9	69.2	52.8	46.1	40.2	33.5	27.5	24.5	24.5
52.5°	1850.3	665.6	99.7	63.2	46.9	42.4	34.2	26.8	21.6	19.3	18.6
55°	2017.6	753.4	93.7	56.5	42.4	37.2	28.3	20.8	15.6	13.4	12.6
57.5°	2219.2	864.2	86.3	49.8	37.9	32.0	22.3	14.9	10.4	7.4	6.7
60°	2439.3	919.9	76.6	43.9	32.7	26.8	17.1	10.4	5.9	3.0	3.0
62.5°	2510.7	892.4	64.7	37.9	28.3	21.6	12.6	6.7	2.2	0.0	0.0
65°	2380.5	764.5	55.0	33.5	24.5	16.4	8.9	3.7	0.0	0.0	0.0
67.5°	2080.8	594.9	45.4	29.0	20.8	13.4	5.9	0.7	0.0	0.0	0.0
70°	1717.9	441.0	37.9	23.8	17.8	10.4	3.7	0.0	0.0	0.0	0.0
72.5°	1326.0	313.1	32.7	20.1	14.9	8.2	2.2	0.0	0.0	0.0	0.0
75°	748.9	168.1	29.7	20.1	13.4	6.7	1.5	0.0	0.0	0.0	0.0
77.5°	309.4	77.3	26.0	20.1	13.4	7.4	2.2	0.0	0.0	0.0	0.0
80°	96.7	39.4	22.3	20.8	14.1	8.2	2.2	0.0	0.0	0.0	0.0
82.5°	45.4	30.5	23.1	19.3	12.6	7.4	2.2	0.0	0.0	0.0	0.0
85°	23.8	15.6	16.4	16.4	11.2	6.7	2.2	0.0	0.0	0.0	0.0
87.5°	6.7	0.7	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)