

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: P1208257

Luminaire Tested: UPW-SA1-060-727-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208257
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-SA1-060-727-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 4433 lumens
Efficiency: N/A
Efficacy: 75.1 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

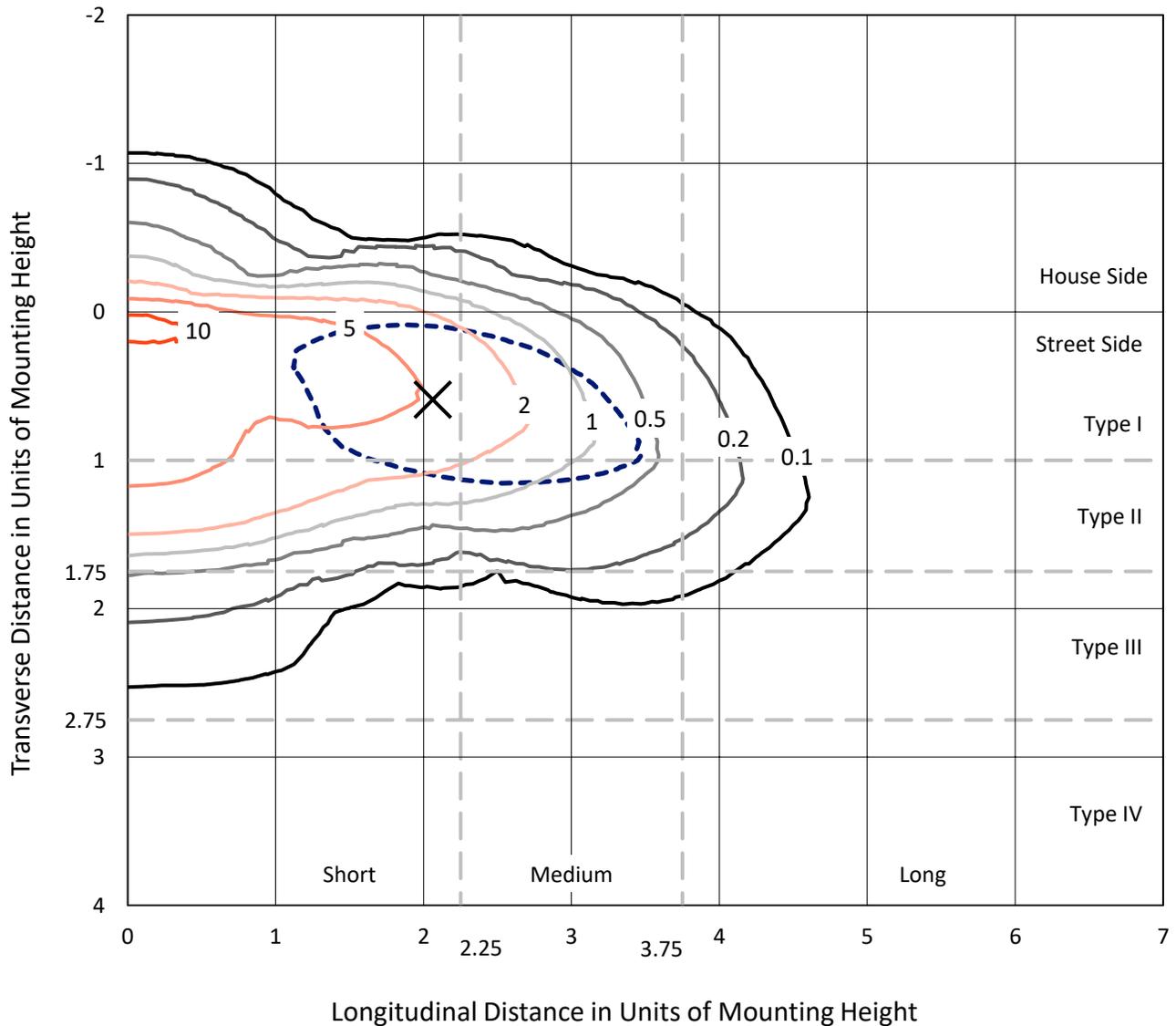
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

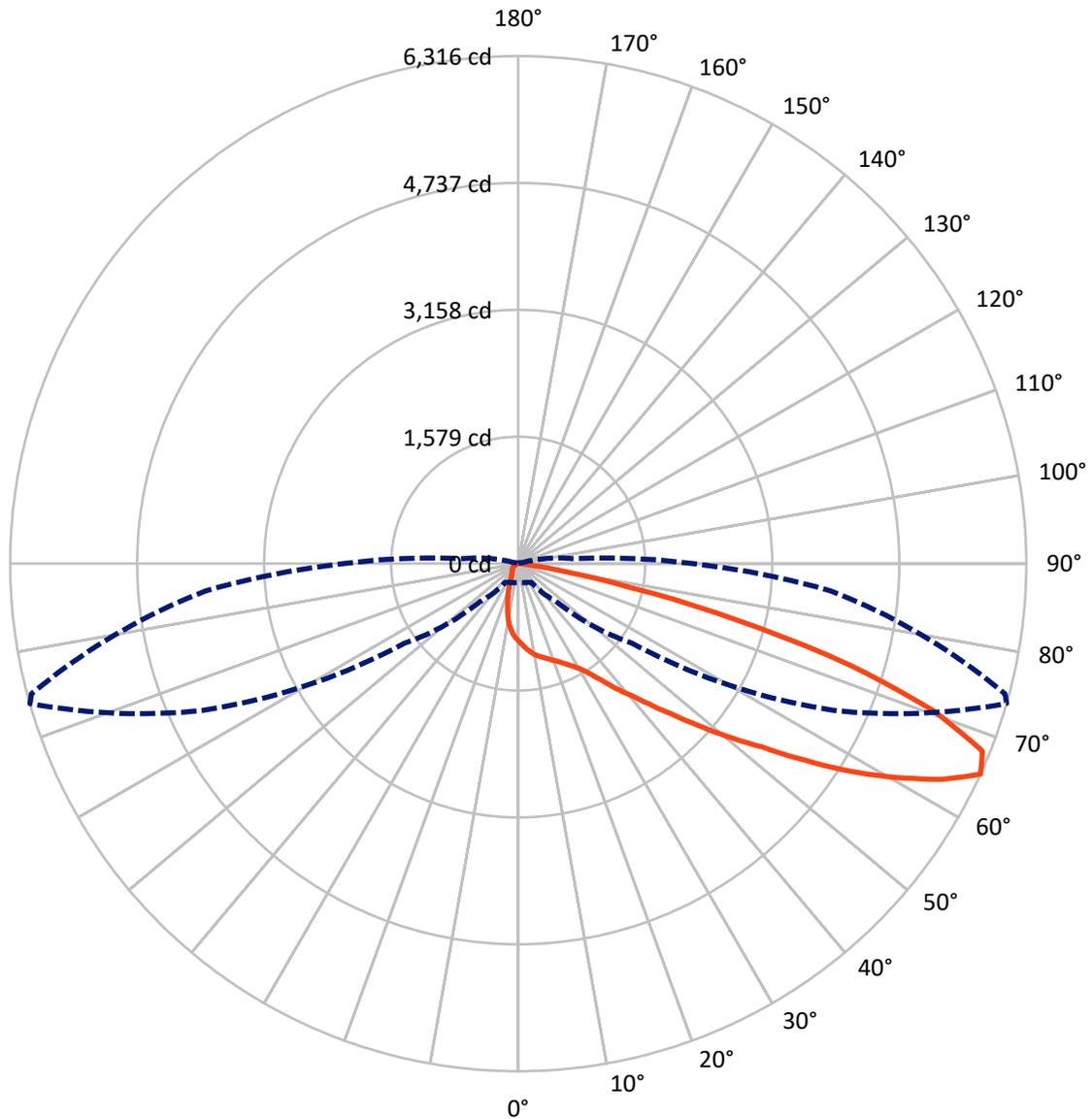
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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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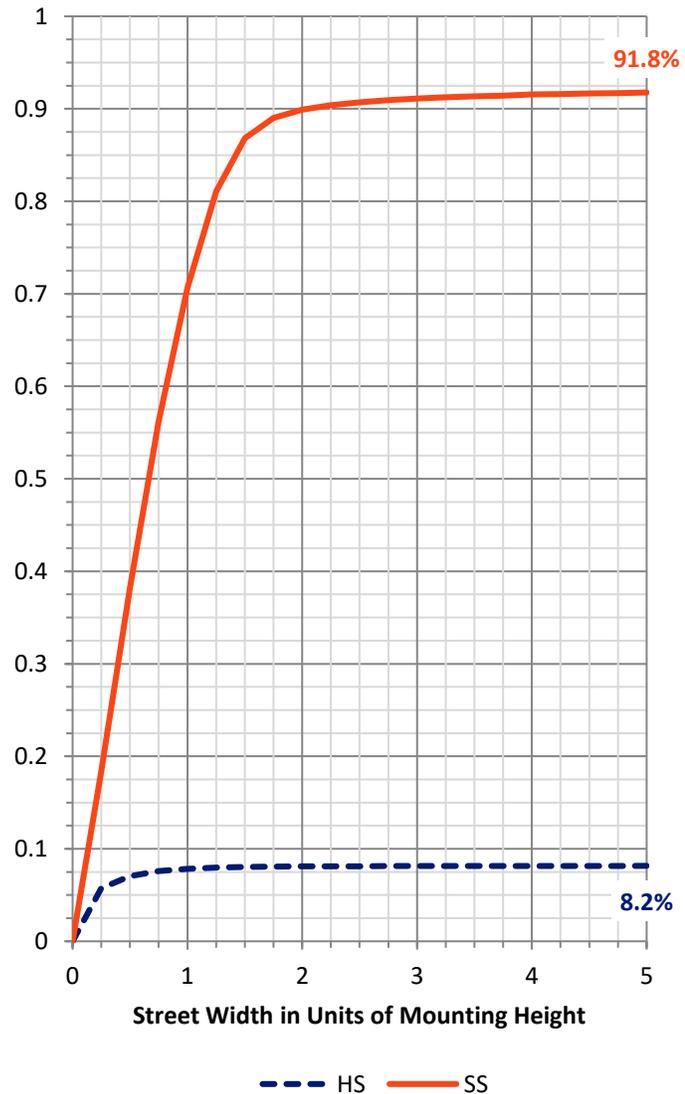
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	364.4	0.0	364.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	4068.6	0.0	4068.6
	% Fixture	91.8	0.0	91.8
Total	Lumens	4433.0	0.0	4433.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.9
10°-20°	202.0	4.6
20°-30°	315.0	7.1
30°-40°	497.2	11.2
40°-50°	773.3	17.4
50°-60°	1117.9	25.2
60°-70°	1010.4	22.8
70°-80°	406.1	9.2
80°-90°	28.5	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°	4433.0	100.0
0°-180°	4433.0	100.0



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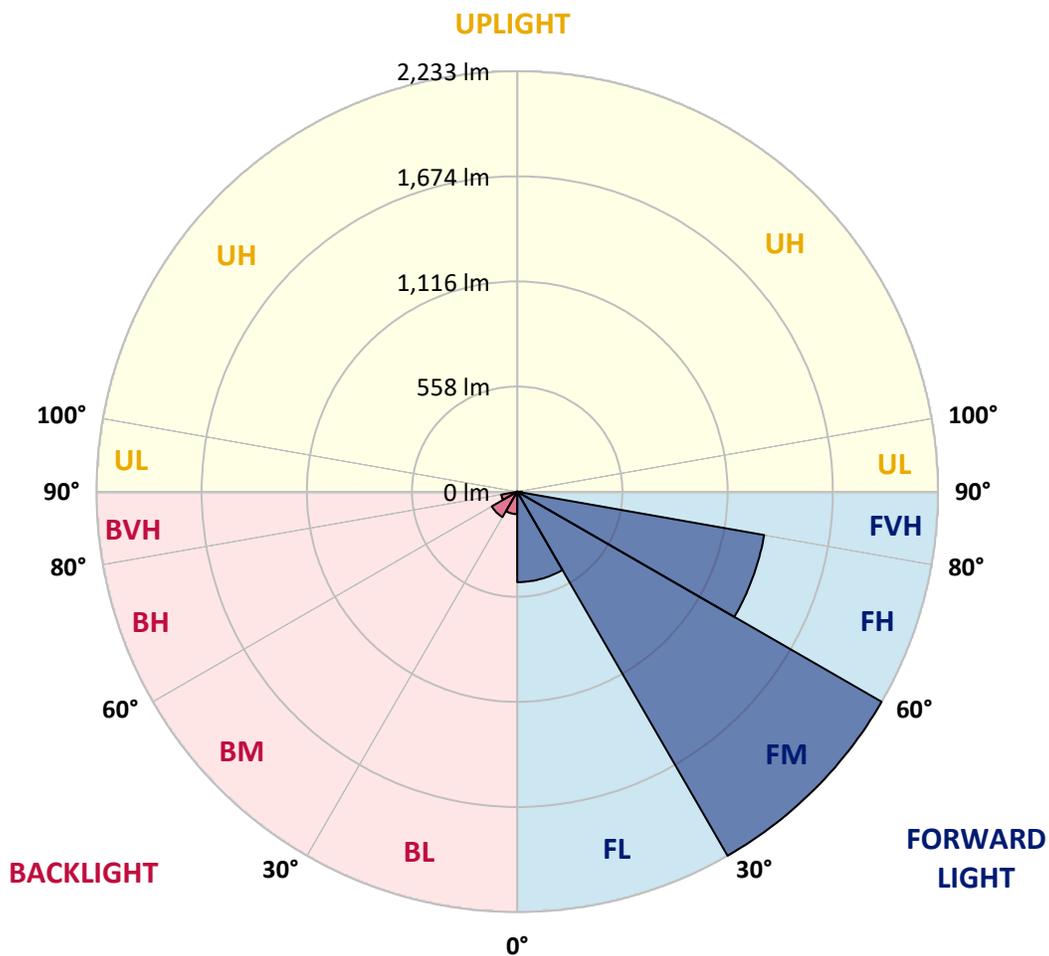
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.2	10.8			
FM (30°-60°)	2232.5	50.4			
FH (60°-80°)	1330.5	30.0			G1/1800
FVH (80°-90°)	25.3	0.6			G1/100
BL (0°-30°)	119.2	2.7	B1/500		
BM (30°-60°)	155.9	3.5	B0/220		
BH (60°-80°)	86.1	1.9	B0/110		G0/110
BVH (80°-90°)	3.2	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°	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8
2.5°	1089.9	1085.8	1087.8	1079.0	1077.7	1068.9	1049.2	1029.6	1011.3	1006.5	984.1
5°	1169.2	1167.1	1165.1	1163.8	1157.7	1150.9	1123.1	1096.7	1062.8	1056.7	1009.9
7.5°	1190.2	1188.2	1192.2	1199.0	1203.1	1199.7	1179.3	1153.6	1110.9	1104.1	1036.3
10°	1143.4	1141.4	1159.7	1186.1	1210.5	1228.1	1220.7	1197.6	1152.9	1146.1	1054.6
12.5°	1040.4	1037.7	1067.5	1121.7	1179.3	1229.5	1244.4	1228.8	1186.8	1179.3	1069.5
15°	946.2	942.1	971.9	1026.8	1099.4	1196.3	1253.2	1258.0	1214.6	1209.8	1085.8
17.5°	896.0	896.7	915.0	960.4	1030.2	1136.0	1243.7	1285.1	1251.9	1245.8	1103.4
20°	916.4	917.7	919.8	937.4	979.4	1083.1	1222.7	1314.2	1288.5	1281.7	1125.8
22.5°	975.3	978.7	973.3	963.8	969.2	1044.5	1201.0	1346.1	1330.5	1323.7	1141.4
25°	1085.1	1081.1	1064.1	1026.2	999.1	1032.9	1193.6	1382.7	1383.4	1375.2	1160.4
27.5°	1215.9	1205.1	1184.8	1124.4	1058.0	1051.9	1191.5	1422.0	1445.0	1433.5	1182.1
30°	1327.1	1321.7	1296.6	1241.0	1141.4	1096.0	1197.0	1460.0	1518.2	1512.1	1210.5
32.5°	1399.0	1397.6	1379.3	1342.0	1254.6	1167.1	1220.7	1511.5	1628.7	1608.4	1264.7
35°	1459.3	1453.2	1438.9	1414.5	1361.7	1264.1	1270.8	1594.2	1777.8	1771.7	1351.5
37.5°	1527.7	1520.3	1503.3	1472.8	1436.2	1378.6	1350.8	1701.2	1967.6	1964.9	1466.1
40°	1607.0	1602.3	1585.3	1544.7	1499.3	1464.7	1434.2	1811.7	2151.3	2132.3	1571.8
42.5°	1685.0	1686.3	1673.5	1631.4	1569.8	1523.0	1533.2	1924.2	2390.6	2381.1	1736.5
45°	1773.8	1769.0	1762.2	1731.7	1665.3	1569.1	1628.0	2080.1	2668.4	2692.2	1975.7
47.5°	1836.1	1834.8	1848.3	1825.3	1770.4	1643.0	1725.6	2273.3	3010.0	3032.4	2238.7
50°	1852.4	1850.4	1895.8	1914.7	1912.7	1786.0	1859.8	2518.0	3385.5	3382.2	2532.9
52.5°	1748.0	1752.8	1840.9	1941.9	2036.1	2006.2	2101.8	2854.8	3786.8	3798.3	2809.4
55°	1448.4	1478.3	1575.9	1809.7	2057.8	2230.6	2413.6	3318.4	4316.1	4285.6	3027.0
57.5°	908.2	892.6	1057.3	1396.2	1790.7	2247.5	2665.7	3784.1	4881.4	4842.8	3346.9
60°	462.9	442.6	538.8	778.8	1243.1	1889.0	2671.2	4190.1	5402.6	5359.3	3670.2
62.5°	283.3	279.9	299.6	380.2	643.9	1274.2	2314.6	4435.4	5912.3	5877.8	3889.1
65°	238.6	237.9	245.4	258.2	285.3	661.5	1727.0	4315.5	6315.6	6265.5	3902.0
67.5°	211.5	211.5	227.1	233.2	189.8	284.7	1059.4	3816.6	6221.4	6211.9	3630.2
70°	182.3	179.6	201.3	219.6	157.9	146.4	545.6	3066.3	5465.7	5496.8	3092.1
72.5°	137.6	140.3	162.7	187.1	129.5	103.0	249.4	2145.9	4303.9	4318.9	2429.9
75°	103.7	106.4	126.1	153.2	104.4	77.9	137.6	1394.2	2818.9	2852.8	1419.3
77.5°	79.3	80.0	99.6	126.7	80.7	59.6	92.9	774.7	1428.8	1398.3	551.7
80°	54.9	56.9	77.9	98.3	64.4	44.7	62.4	335.5	515.8	475.8	171.5
82.5°	20.3	26.4	54.9	71.2	45.4	31.9	46.1	134.9	151.1	141.7	63.0
85°	3.4	3.4	29.8	52.2	24.4	19.0	29.1	46.8	49.5	52.2	32.5
87.5°	0.0	0.0	3.4	11.5	4.1	2.7	8.1	11.5	23.7	26.4	17.6
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°	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8
2.5°	969.2	955.0	926.5	902.1	864.2	831.0	810.0	793.7	781.5	767.3	753.0
5°	980.1	946.9	877.1	798.4	717.8	645.3	585.6	531.4	496.1	492.1	475.1
7.5°	989.6	936.7	818.8	679.1	555.8	450.7	376.8	331.4	292.1	279.9	285.3
10°	989.6	919.1	741.5	549.7	401.2	294.2	239.9	210.1	199.3	194.5	190.5
12.5°	986.9	890.6	644.6	428.4	279.2	214.2	189.8	178.9	172.8	170.1	168.8
15°	982.8	856.0	549.0	319.9	213.5	183.7	171.5	163.3	157.9	155.2	153.2
17.5°	980.1	820.1	462.3	242.6	184.4	167.4	157.2	149.1	144.4	140.3	139.6
20°	971.9	778.1	378.2	199.3	167.4	153.2	142.3	134.9	130.1	125.4	125.4
22.5°	959.1	718.5	298.9	173.5	153.2	138.9	127.4	120.0	115.2	112.5	111.2
25°	942.8	659.5	237.2	158.6	139.6	124.0	113.9	106.4	102.3	101.0	99.6
27.5°	924.5	600.5	195.2	146.4	126.7	111.8	100.3	94.9	92.2	90.8	89.5
30°	909.6	547.0	169.4	136.2	114.5	99.6	89.5	84.7	82.7	82.0	80.7
32.5°	910.9	501.6	151.8	124.7	105.1	90.1	80.0	75.2	75.2	74.6	74.6
35°	936.0	473.1	139.6	114.5	94.9	80.7	71.8	67.8	69.1	69.1	68.5
37.5°	963.1	444.6	128.1	103.7	86.1	71.8	63.0	61.0	61.7	62.4	62.4
40°	998.4	423.6	118.6	93.5	77.3	64.4	56.9	54.9	54.9	54.9	54.2
42.5°	1078.4	421.6	110.5	84.7	69.1	56.9	51.5	48.8	47.4	46.8	45.4
45°	1190.9	436.5	105.1	76.6	61.0	51.5	46.8	43.4	39.3	37.3	36.6
47.5°	1335.9	475.1	100.3	69.1	53.5	46.8	42.0	37.3	31.9	29.1	28.5
50°	1516.9	535.5	95.6	63.0	48.1	42.0	36.6	30.5	25.1	22.4	22.4
52.5°	1686.3	606.6	90.8	57.6	42.7	38.6	31.2	24.4	19.7	17.6	16.9
55°	1838.8	686.6	85.4	51.5	38.6	33.9	25.8	19.0	14.2	12.2	11.5
57.5°	2022.5	787.6	78.6	45.4	34.6	29.1	20.3	13.6	9.5	6.8	6.1
60°	2223.1	838.4	69.8	40.0	29.8	24.4	15.6	9.5	5.4	2.7	2.7
62.5°	2288.2	813.3	59.0	34.6	25.8	19.7	11.5	6.1	2.0	0.0	0.0
65°	2169.6	696.8	50.2	30.5	22.4	14.9	8.1	3.4	0.0	0.0	0.0
67.5°	1896.4	542.2	41.3	26.4	19.0	12.2	5.4	0.7	0.0	0.0	0.0
70°	1565.7	401.9	34.6	21.7	16.3	9.5	3.4	0.0	0.0	0.0	0.0
72.5°	1208.5	285.3	29.8	18.3	13.6	7.5	2.0	0.0	0.0	0.0	0.0
75°	682.5	153.2	27.1	18.3	12.2	6.1	1.4	0.0	0.0	0.0	0.0
77.5°	282.0	70.5	23.7	18.3	12.2	6.8	2.0	0.0	0.0	0.0	0.0
80°	88.1	35.9	20.3	19.0	12.9	7.5	2.0	0.0	0.0	0.0	0.0
82.5°	41.3	27.8	21.0	17.6	11.5	6.8	2.0	0.0	0.0	0.0	0.0
85°	21.7	14.2	14.9	14.9	10.2	6.1	2.0	0.0	0.0	0.0	0.0
87.5°	6.1	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)