

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: P1208095

Luminaire Tested: UPW-SA1-040-740-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-740-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 4283 lumens
Efficiency: N/A
Efficacy: 97.3 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): 44
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

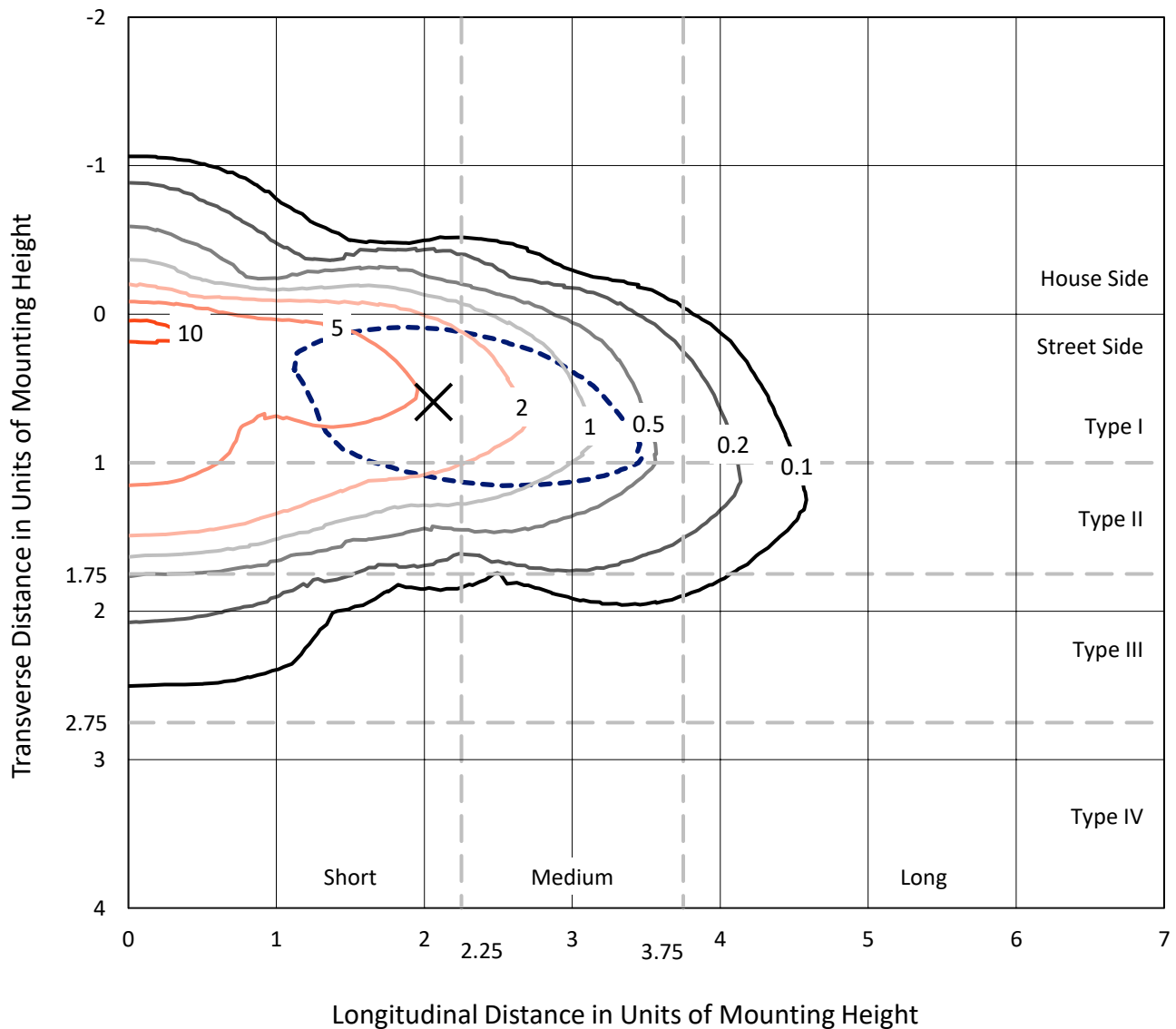


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

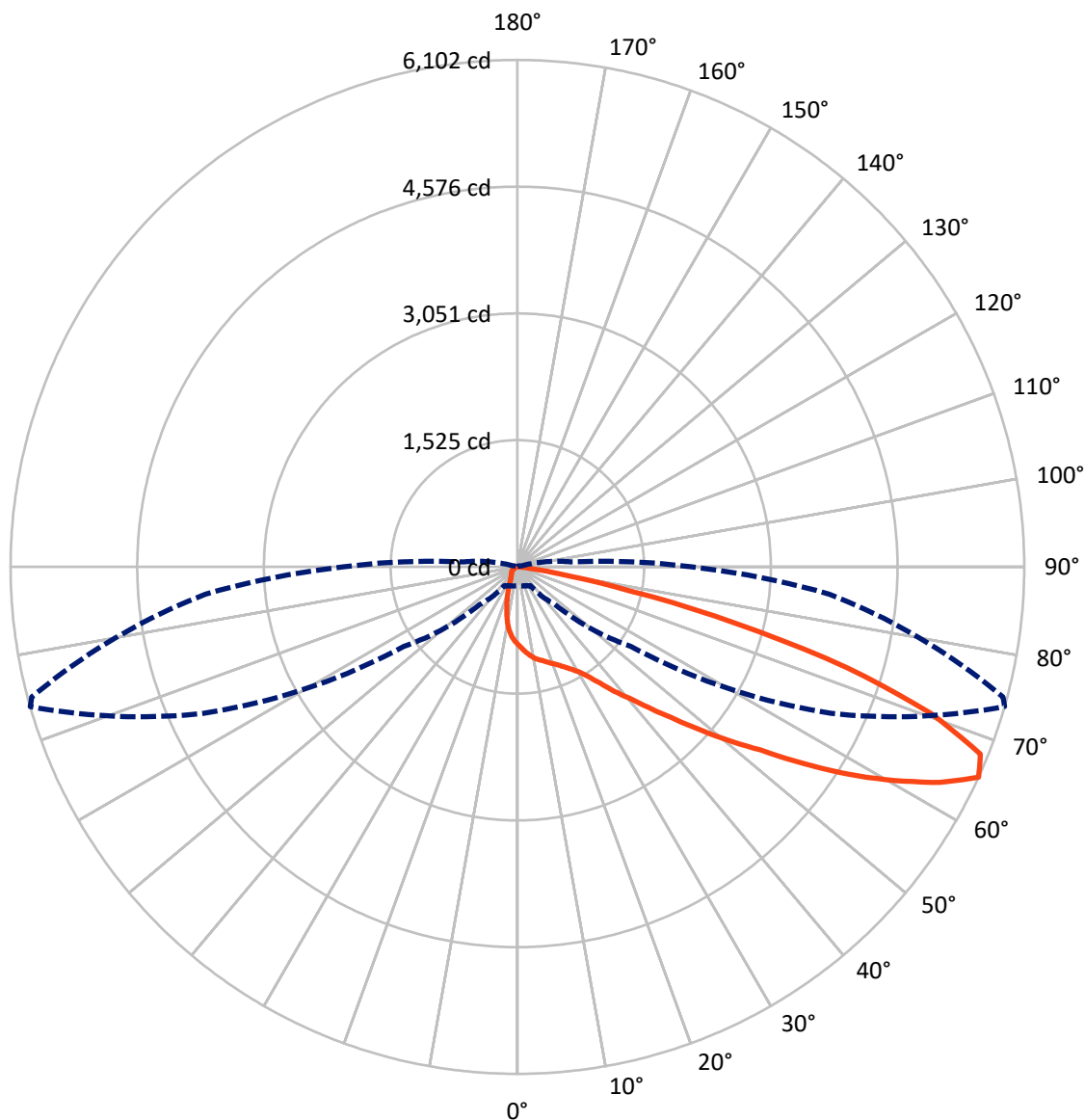


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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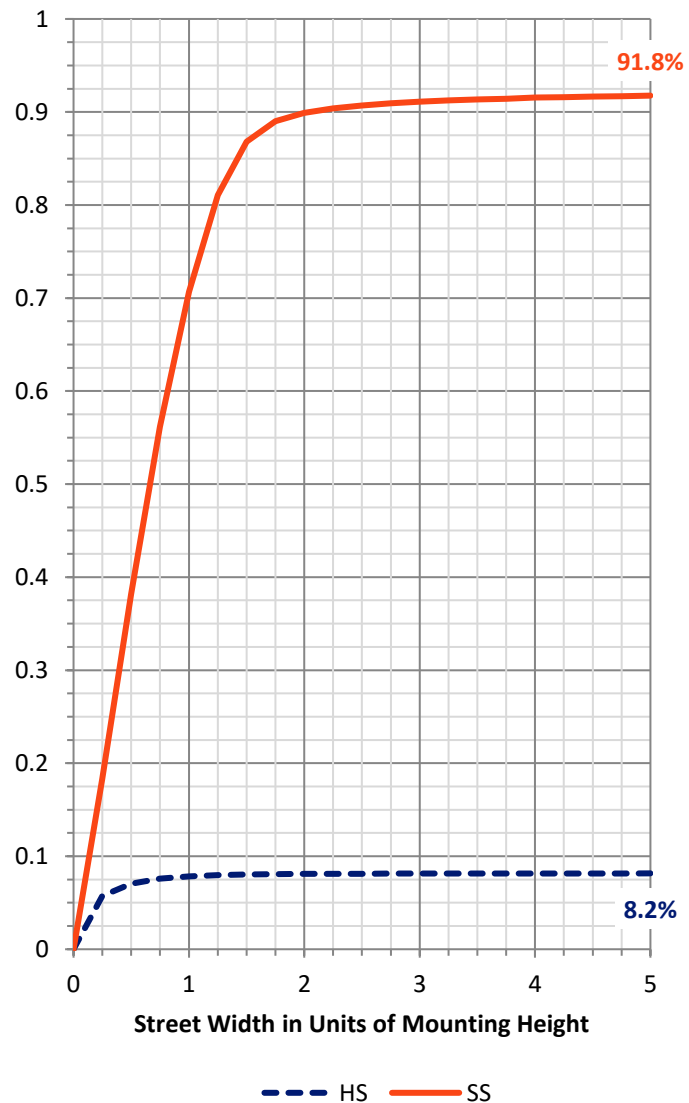
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	352.1	0.0	352.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	3930.9	0.0	3930.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	4283.0	0.0	4283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	1.9
10°-20°	195.2	4.6
20°-30°	304.3	7.1
30°-40°	480.4	11.2
40°-50°	747.2	17.4
50°-60°	1080.1	25.2
60°-70°	976.3	22.8
70°-80°	392.4	9.2
80°-90°	27.6	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°	4283.0	100.0
0°-180°	4283.0	100.0

Coefficient of Utilization



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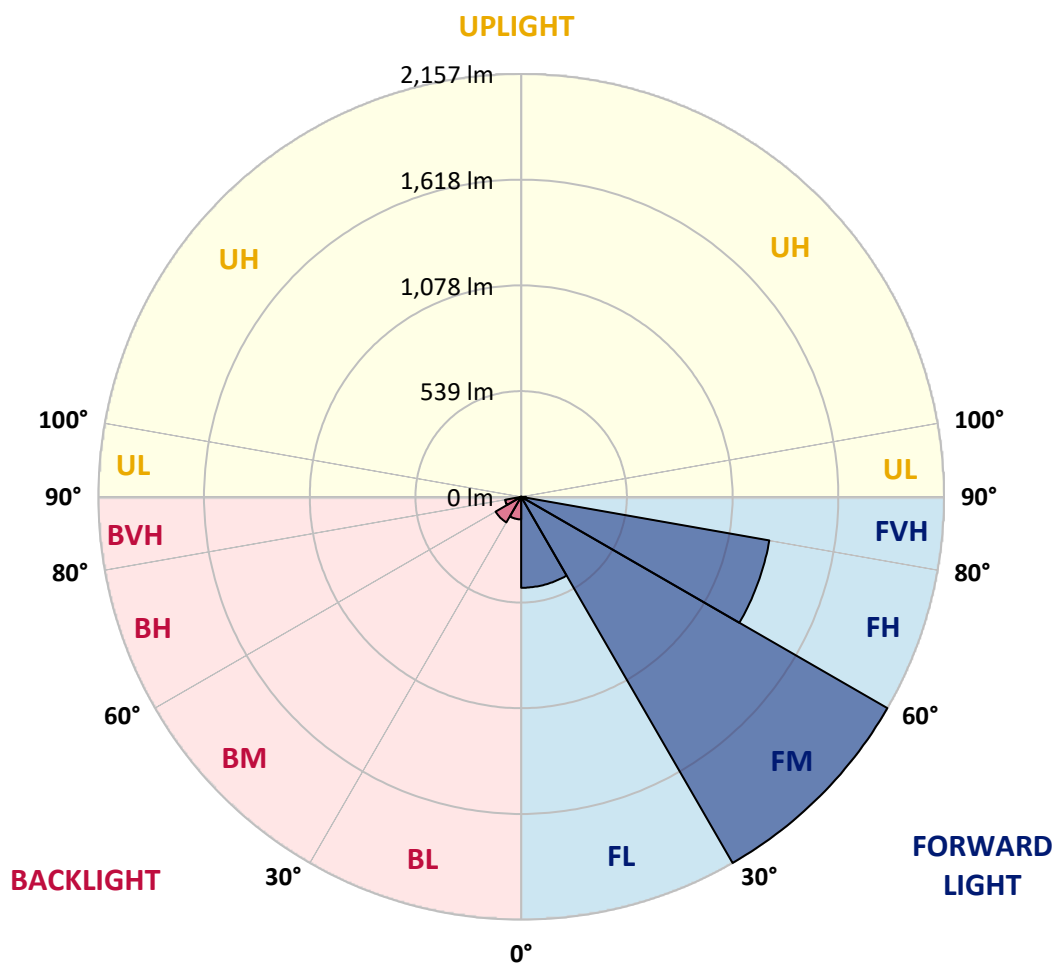
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.0	10.8			
FM	(30°-60°)	2157.0	50.4			
FH	(60°-80°)	1285.5	30.0			G1/1800
FVH	(80°-90°)	24.5	0.6			G1/100
BL	(0°-30°)	115.2	2.7	B1/500		
BM	(30°-60°)	150.6	3.5	B0/220		
BH	(60°-80°)	83.2	1.9	B0/110		G0/110
BVH	(80°-90°)	3.1	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°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	1053.0	1049.1	1051.0	1042.5	1041.2	1032.7	1013.7	994.7	977.0	972.5	950.8
5°	1129.6	1127.7	1125.7	1124.4	1118.5	1111.9	1085.1	1059.6	1026.8	1020.9	975.7
7.5°	1149.9	1148.0	1151.9	1158.4	1162.4	1159.1	1139.4	1114.6	1073.3	1066.8	1001.3
10°	1104.7	1102.8	1120.5	1146.0	1169.6	1186.6	1179.4	1157.1	1113.9	1107.4	1018.9
12.5°	1005.2	1002.6	1031.4	1083.8	1139.4	1187.9	1202.3	1187.2	1146.6	1139.4	1033.4
15°	914.2	910.2	939.1	992.1	1062.2	1155.8	1210.8	1215.4	1173.5	1168.9	1049.1
17.5°	865.7	866.4	884.1	927.9	995.4	1097.5	1201.7	1241.6	1209.5	1203.6	1066.1
20°	885.4	886.7	888.6	905.7	946.3	1046.5	1181.4	1269.8	1244.9	1238.3	1087.7
22.5°	942.3	945.6	940.4	931.2	936.4	1009.1	1160.4	1300.5	1285.5	1278.9	1102.8
25°	1048.4	1044.5	1028.1	991.4	965.3	998.0	1153.2	1335.9	1336.6	1328.7	1121.1
27.5°	1174.8	1164.3	1144.7	1086.4	1022.2	1016.3	1151.2	1373.9	1396.1	1385.0	1142.1
30°	1282.2	1277.0	1252.7	1199.0	1102.8	1058.9	1156.5	1410.6	1466.9	1461.0	1169.6
32.5°	1351.6	1350.3	1332.6	1296.6	1212.1	1127.7	1179.4	1460.3	1573.6	1554.0	1222.0
35°	1409.9	1404.0	1390.3	1366.7	1315.6	1221.3	1227.8	1540.2	1717.7	1711.8	1305.8
37.5°	1476.0	1468.8	1452.5	1423.0	1387.6	1332.0	1305.1	1643.7	1901.0	1898.4	1416.4
40°	1552.7	1548.1	1531.7	1492.4	1448.5	1415.1	1385.7	1750.4	2078.5	2060.2	1518.6
42.5°	1628.0	1629.3	1616.8	1576.2	1516.6	1471.5	1481.3	1859.1	2309.7	2300.5	1677.7
45°	1713.7	1709.2	1702.6	1673.1	1609.0	1516.0	1573.0	2009.7	2578.2	2601.1	1908.9
47.5°	1774.0	1772.7	1785.8	1763.5	1710.5	1587.4	1667.3	2196.4	2908.2	2929.8	2163.0
50°	1789.7	1787.7	1831.6	1850.0	1848.0	1725.5	1796.9	2432.8	3271.0	3267.7	2447.2
52.5°	1688.9	1693.4	1778.6	1876.2	1967.2	1938.4	2030.7	2758.2	3658.7	3669.8	2714.4
55°	1399.4	1428.2	1522.5	1748.5	1988.1	2155.1	2331.9	3206.2	4170.1	4140.6	2924.6
57.5°	877.5	862.4	1021.6	1349.0	1730.1	2171.5	2575.5	3656.0	4716.2	4678.9	3233.7
60°	447.3	427.6	520.6	752.4	1201.0	1825.1	2580.8	4048.3	5219.8	5177.9	3546.0
62.5°	273.7	270.5	289.4	367.4	622.1	1231.1	2236.3	4285.4	5712.3	5678.9	3757.5
65°	230.5	229.9	237.1	249.5	275.7	639.1	1668.6	4169.4	6101.9	6053.5	3770.0
67.5°	204.3	204.3	219.4	225.3	183.4	275.0	1023.5	3687.5	6010.9	6001.7	3507.4
70°	176.2	173.5	194.5	212.2	152.6	141.4	527.2	2962.6	5280.7	5310.9	2987.4
72.5°	132.9	135.6	157.2	180.7	125.1	99.5	241.0	2073.3	4158.3	4172.7	2347.6
75°	100.2	102.8	121.8	148.0	100.8	75.3	132.9	1347.0	2723.5	2756.3	1371.3
77.5°	76.6	77.3	96.3	122.5	77.9	57.6	89.7	748.5	1380.4	1351.0	533.0
80°	53.0	55.0	75.3	95.0	62.2	43.2	60.2	324.2	498.3	459.7	165.7
82.5°	19.6	25.5	53.0	68.8	43.9	30.8	44.5	130.3	146.0	136.9	60.9
85°	3.3	3.3	28.8	50.4	23.6	18.3	28.2	45.2	47.8	50.4	31.4
87.5°	0.0	0.0	3.3	11.1	3.9	2.6	7.9	11.1	22.9	25.5	17.0
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°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	936.4	922.7	895.2	871.6	834.9	802.8	782.5	766.8	755.0	741.3	727.5
5°	946.9	914.8	847.4	771.4	693.5	623.4	565.8	513.4	479.4	475.4	459.1
7.5°	956.1	905.0	791.1	656.2	537.0	435.5	364.1	320.2	282.2	270.5	275.7
10°	956.1	888.0	716.4	531.1	387.7	284.2	231.8	203.0	192.5	187.9	184.0
12.5°	953.5	860.5	622.8	413.9	269.8	206.9	183.4	172.9	167.0	164.4	163.1
15°	949.5	827.1	530.4	309.1	206.3	177.5	165.7	157.8	152.6	150.0	148.0
17.5°	946.9	792.4	446.6	234.4	178.1	161.7	151.9	144.1	139.5	135.6	134.9
20°	939.1	751.8	365.4	192.5	161.7	148.0	137.5	130.3	125.7	121.1	121.1
22.5°	926.6	694.1	288.8	167.6	148.0	134.2	123.1	115.9	111.3	108.7	107.4
25°	910.9	637.2	229.2	153.2	134.9	119.8	110.0	102.8	98.9	97.6	96.3
27.5°	893.2	580.2	188.6	141.4	122.5	108.1	96.9	91.7	89.1	87.8	86.4
30°	878.8	528.5	163.7	131.6	110.7	96.3	86.4	81.9	79.9	79.2	77.9
32.5°	880.1	484.6	146.7	120.5	101.5	87.1	77.3	72.7	72.7	72.0	72.0
35°	904.4	457.1	134.9	110.7	91.7	77.9	69.4	65.5	66.8	66.8	66.1
37.5°	930.5	429.6	123.8	100.2	83.2	69.4	60.9	58.9	59.6	60.2	60.2
40°	964.6	409.3	114.6	90.4	74.7	62.2	55.0	53.0	53.0	53.0	52.4
42.5°	1041.9	407.3	106.7	81.9	66.8	55.0	49.8	47.1	45.8	45.2	43.9
45°	1150.6	421.7	101.5	74.0	58.9	49.8	45.2	41.9	38.0	36.0	35.4
47.5°	1290.7	459.1	96.9	66.8	51.7	45.2	40.6	36.0	30.8	28.2	27.5
50°	1465.6	517.3	92.3	60.9	46.5	40.6	35.4	29.5	24.2	21.6	21.6
52.5°	1629.3	586.1	87.8	55.7	41.3	37.3	30.1	23.6	19.0	17.0	16.4
55°	1776.6	663.4	82.5	49.8	37.3	32.7	24.9	18.3	13.8	11.8	11.1
57.5°	1954.1	760.9	76.0	43.9	33.4	28.2	19.6	13.1	9.2	6.5	5.9
60°	2147.9	810.1	67.4	38.6	28.8	23.6	15.1	9.2	5.2	2.6	2.6
62.5°	2210.8	785.8	57.0	33.4	24.9	19.0	11.1	5.9	2.0	0.0	0.0
65°	2096.2	673.2	48.5	29.5	21.6	14.4	7.9	3.3	0.0	0.0	0.0
67.5°	1832.3	523.9	39.9	25.5	18.3	11.8	5.2	0.7	0.0	0.0	0.0
70°	1512.7	388.3	33.4	21.0	15.7	9.2	3.3	0.0	0.0	0.0	0.0
72.5°	1167.6	275.7	28.8	17.7	13.1	7.2	2.0	0.0	0.0	0.0	0.0
75°	659.4	148.0	26.2	17.7	11.8	5.9	1.3	0.0	0.0	0.0	0.0
77.5°	272.4	68.1	22.9	17.7	11.8	6.5	2.0	0.0	0.0	0.0	0.0
80°	85.1	34.7	19.6	18.3	12.4	7.2	2.0	0.0	0.0	0.0	0.0
82.5°	39.9	26.8	20.3	17.0	11.1	6.5	2.0	0.0	0.0	0.0	0.0
85°	21.0	13.8	14.4	14.4	9.8	5.9	2.0	0.0	0.0	0.0	0.0
87.5°	5.9	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)