

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: P1208662

Luminaire Tested: UPW-SA1-070-827-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208662  
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-SA1-070-827-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 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: 4275 lumens  
Efficiency: N/A  
Efficacy: 64.8 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

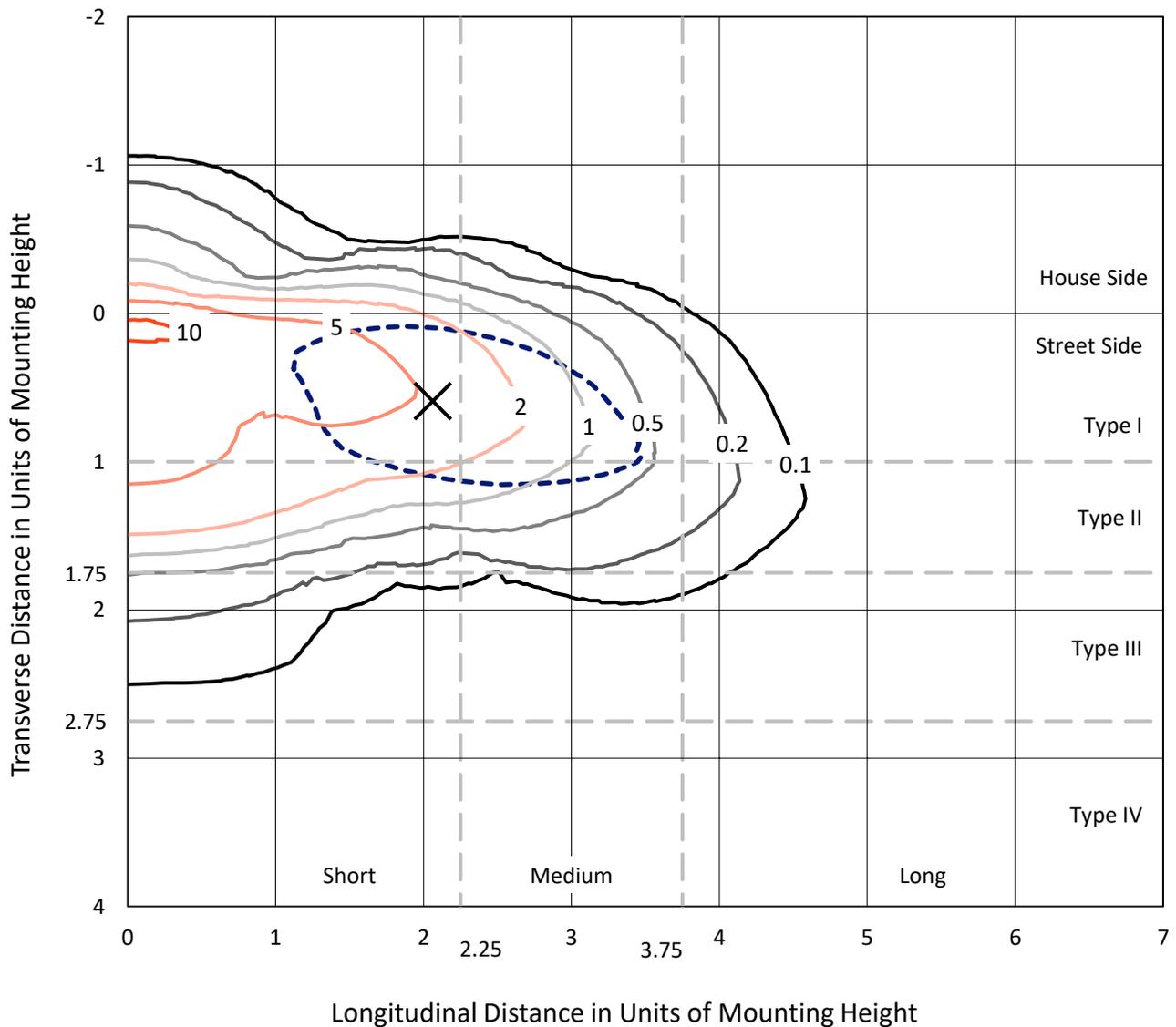
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

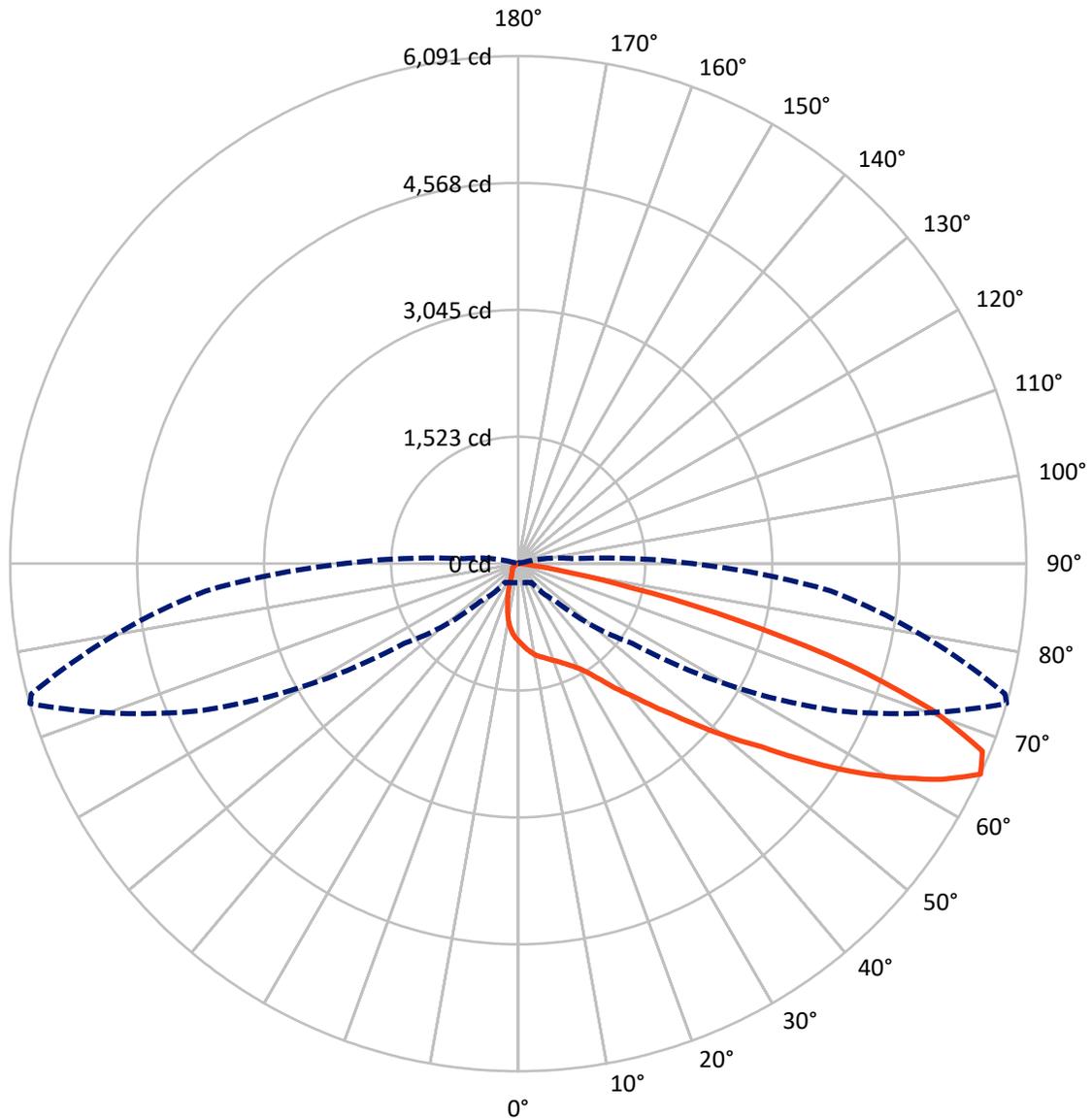
× Max cd  
 - - - 1/2 Max cd



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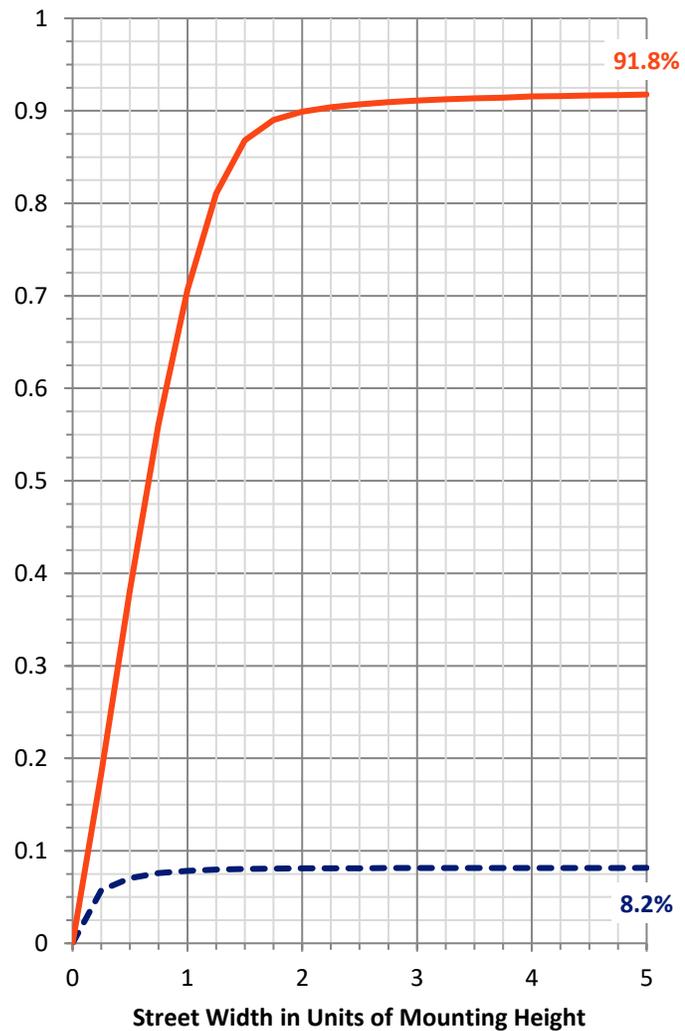
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	351.4	0.0	351.4
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	3923.6	0.0	3923.6
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	4275.0	0.0	4275.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.5	1.9
10°-20°	194.8	4.6
20°-30°	303.8	7.1
30°-40°	479.5	11.2
40°-50°	745.8	17.4
50°-60°	1078.1	25.2
60°-70°	974.4	22.8
70°-80°	391.7	9.2
80°-90°	27.5	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°	4275.0	100.0
0°-180°	4275.0	100.0



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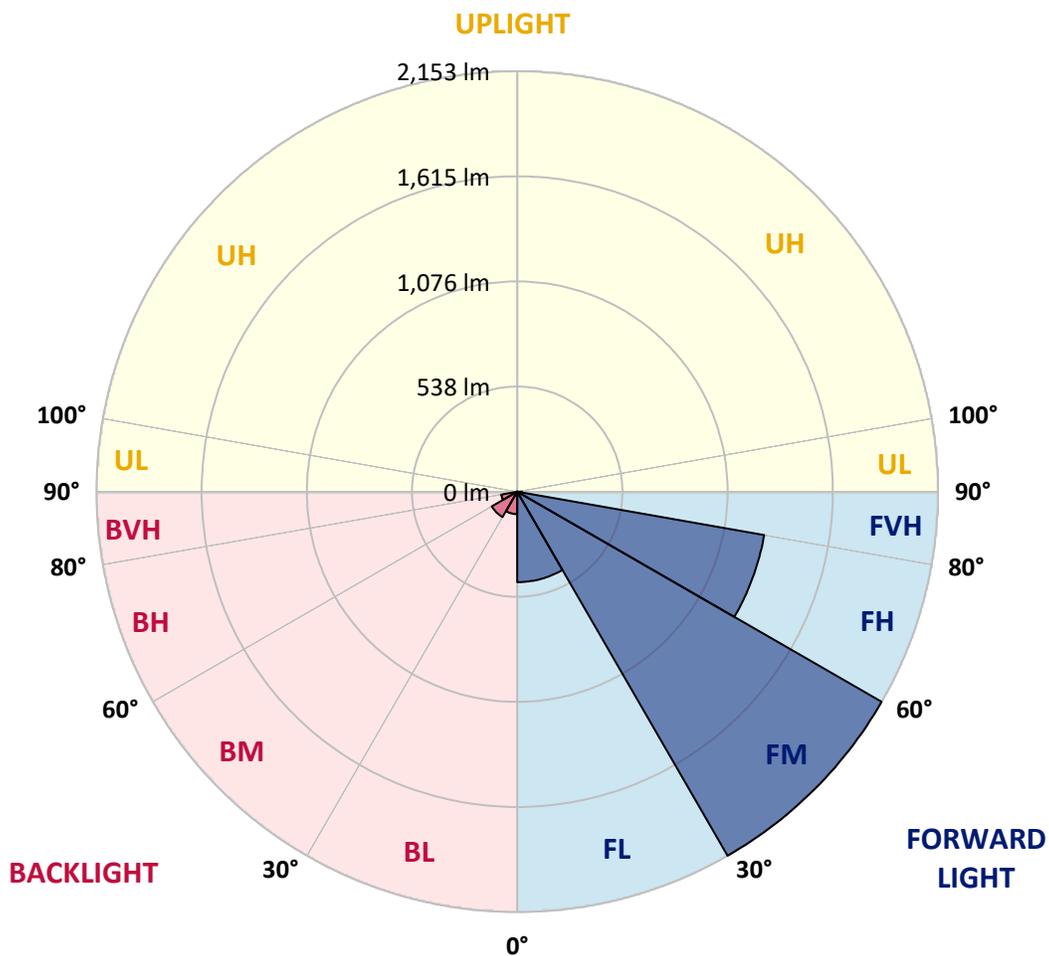
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.1	10.8			
FM	(30°-60°)	2152.9	50.4			
FH	(60°-80°)	1283.1	30.0			G1/1800
FVH	(80°-90°)	24.4	0.6			G1/100
BL	(0°-30°)	114.9	2.7	B1/500		
BM	(30°-60°)	150.4	3.5	B0/220		
BH	(60°-80°)	83.0	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°	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4
2.5°	1051.0	1047.1	1049.1	1040.6	1039.3	1030.8	1011.8	992.9	975.2	970.6	949.1
5°	1127.5	1125.5	1123.6	1122.3	1116.4	1109.9	1083.1	1057.6	1024.9	1019.0	973.9
7.5°	1147.8	1145.8	1149.7	1156.3	1160.2	1156.9	1137.3	1112.5	1071.3	1064.8	999.4
10°	1102.7	1100.7	1118.4	1143.9	1167.4	1184.4	1177.2	1155.0	1111.8	1105.3	1017.0
12.5°	1003.3	1000.7	1029.5	1081.8	1137.3	1185.7	1200.1	1185.0	1144.5	1137.3	1031.4
15°	912.5	908.5	937.3	990.2	1060.2	1153.7	1208.6	1213.1	1171.3	1166.7	1047.1
17.5°	864.1	864.8	882.4	926.2	993.5	1095.5	1199.4	1239.3	1207.3	1201.4	1064.1
20°	883.7	885.0	887.0	904.0	944.5	1044.5	1179.1	1267.4	1242.5	1236.0	1085.7
22.5°	940.6	943.8	938.6	929.5	934.7	1007.2	1158.2	1298.1	1283.1	1276.5	1100.7
25°	1046.5	1042.5	1026.2	989.6	963.4	996.1	1151.0	1333.4	1334.1	1326.2	1119.0
27.5°	1172.6	1162.2	1142.5	1084.4	1020.3	1014.4	1149.1	1371.3	1393.5	1382.4	1139.9
30°	1279.8	1274.6	1250.4	1196.8	1100.7	1056.9	1154.3	1407.9	1464.1	1458.2	1167.4
32.5°	1349.1	1347.8	1330.1	1294.2	1209.9	1125.5	1177.2	1457.6	1570.7	1551.1	1219.7
35°	1407.3	1401.4	1387.7	1364.1	1313.1	1219.0	1225.6	1537.3	1714.5	1708.6	1303.3
37.5°	1473.3	1466.1	1449.7	1420.3	1385.0	1329.5	1302.7	1640.6	1897.5	1894.9	1413.8
40°	1549.8	1545.2	1528.8	1489.6	1445.8	1412.5	1383.1	1747.2	2074.6	2056.3	1515.8
42.5°	1624.9	1626.2	1613.8	1573.3	1513.8	1468.7	1478.5	1855.7	2305.3	2296.2	1674.6
45°	1710.5	1706.0	1699.4	1670.0	1606.0	1513.2	1570.0	2006.0	2573.3	2596.2	1905.3
47.5°	1770.7	1769.4	1782.4	1760.2	1707.3	1584.4	1664.1	2192.3	2902.8	2924.3	2158.9
50°	1786.4	1784.4	1828.2	1846.5	1844.5	1722.3	1793.6	2428.2	3264.9	3261.6	2442.6
52.5°	1685.7	1690.3	1775.3	1872.6	1963.5	1934.7	2026.9	2753.1	3651.8	3662.9	2709.3
55°	1396.8	1425.6	1519.7	1745.2	1984.4	2151.1	2327.6	3200.2	4162.3	4132.9	2919.1
57.5°	875.9	860.8	1019.7	1346.5	1726.9	2167.4	2570.7	3649.2	4707.4	4670.2	3227.6
60°	446.4	426.8	519.6	751.0	1198.8	1821.7	2576.0	4040.7	5210.1	5168.2	3539.4
62.5°	273.2	269.9	288.9	366.7	620.9	1228.8	2232.1	4277.3	5701.6	5668.3	3750.5
65°	230.1	229.4	236.6	249.0	275.2	637.9	1665.4	4161.7	6090.5	6042.1	3762.9
67.5°	203.9	203.9	219.0	224.8	183.0	274.5	1021.6	3680.6	5999.7	5990.5	3500.8
70°	175.8	173.2	194.1	211.8	152.3	141.2	526.2	2957.0	5270.9	5300.9	2981.9
72.5°	132.7	135.3	156.9	180.4	124.8	99.4	240.5	2069.4	4150.5	4164.9	2343.3
75°	100.0	102.6	121.6	147.7	100.7	75.2	132.7	1344.5	2718.4	2751.1	1368.7
77.5°	76.5	77.1	96.1	122.2	77.8	57.5	89.5	747.1	1377.8	1348.4	532.1
80°	52.9	54.9	75.2	94.8	62.1	43.1	60.1	323.5	497.4	458.8	165.4
82.5°	19.6	25.5	52.9	68.6	43.8	30.7	44.4	130.1	145.8	136.6	60.8
85°	3.3	3.3	28.8	50.3	23.5	18.3	28.1	45.1	47.7	50.3	31.4
87.5°	0.0	0.0	3.3	11.1	3.9	2.6	7.8	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°	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4	931.4
2.5°	934.7	921.0	893.5	870.0	833.4	801.3	781.1	765.4	753.6	739.9	726.2
5°	945.1	913.1	845.8	770.0	692.2	622.3	564.7	512.4	478.5	474.5	458.2
7.5°	954.3	903.3	789.6	654.9	536.0	434.7	363.4	319.6	281.7	269.9	275.2
10°	954.3	886.3	715.1	530.1	386.9	283.7	231.4	202.6	192.2	187.6	183.7
12.5°	951.7	858.9	621.6	413.1	269.3	206.5	183.0	172.6	166.7	164.1	162.8
15°	947.8	825.5	529.4	308.5	205.9	177.1	165.4	157.5	152.3	149.7	147.7
17.5°	945.1	790.9	445.8	234.0	177.8	161.4	151.6	143.8	139.2	135.3	134.6
20°	937.3	750.4	364.7	192.2	161.4	147.7	137.3	130.1	125.5	120.9	120.9
22.5°	924.9	692.8	288.3	167.3	147.7	134.0	122.9	115.7	111.1	108.5	107.2
25°	909.2	636.0	228.8	152.9	134.6	119.6	109.8	102.6	98.7	97.4	96.1
27.5°	891.5	579.1	188.2	141.2	122.2	107.8	96.7	91.5	88.9	87.6	86.3
30°	877.2	527.5	163.4	131.4	110.5	96.1	86.3	81.7	79.7	79.1	77.8
32.5°	878.5	483.7	146.4	120.3	101.3	86.9	77.1	72.6	72.6	71.9	71.9
35°	902.7	456.2	134.6	110.5	91.5	77.8	69.3	65.4	66.7	66.7	66.0
37.5°	928.8	428.8	123.5	100.0	83.0	69.3	60.8	58.8	59.5	60.1	60.1
40°	962.8	408.5	114.4	90.2	74.5	62.1	54.9	52.9	52.9	52.9	52.3
42.5°	1039.9	406.6	106.5	81.7	66.7	54.9	49.7	47.1	45.8	45.1	43.8
45°	1148.4	420.9	101.3	73.9	58.8	49.7	45.1	41.8	37.9	35.9	35.3
47.5°	1288.3	458.2	96.7	66.7	51.6	45.1	40.5	35.9	30.7	28.1	27.5
50°	1462.8	516.4	92.2	60.8	46.4	40.5	35.3	29.4	24.2	21.6	21.6
52.5°	1626.2	585.0	87.6	55.6	41.2	37.3	30.1	23.5	19.0	17.0	16.3
55°	1773.3	662.1	82.4	49.7	37.3	32.7	24.8	18.3	13.7	11.8	11.1
57.5°	1950.4	759.5	75.8	43.8	33.3	28.1	19.6	13.1	9.2	6.5	5.9
60°	2143.9	808.5	67.3	38.6	28.8	23.5	15.0	9.2	5.2	2.6	2.6
62.5°	2206.7	784.4	56.9	33.3	24.8	19.0	11.1	5.9	2.0	0.0	0.0
65°	2092.3	671.9	48.4	29.4	21.6	14.4	7.8	3.3	0.0	0.0	0.0
67.5°	1828.9	522.9	39.9	25.5	18.3	11.8	5.2	0.7	0.0	0.0	0.0
70°	1509.9	387.6	33.3	20.9	15.7	9.2	3.3	0.0	0.0	0.0	0.0
72.5°	1165.4	275.2	28.8	17.6	13.1	7.2	2.0	0.0	0.0	0.0	0.0
75°	658.2	147.7	26.1	17.6	11.8	5.9	1.3	0.0	0.0	0.0	0.0
77.5°	271.9	68.0	22.9	17.6	11.8	6.5	2.0	0.0	0.0	0.0	0.0
80°	85.0	34.6	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°	20.9	13.7	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)