

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: P1208905

Luminaire Tested: UPW-SA2-070-827-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208905  
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-SA2-070-827-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH 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: 5018 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

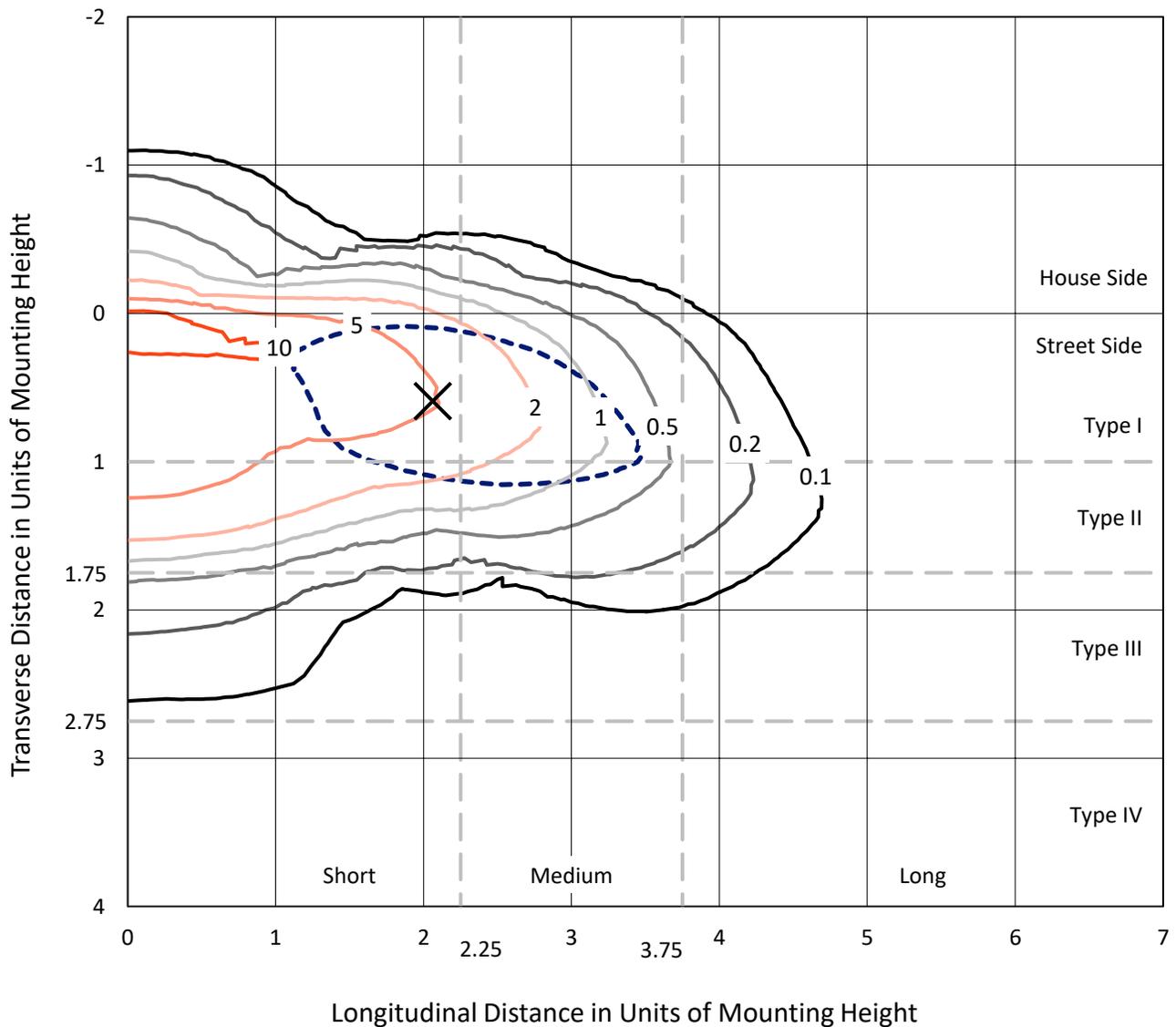
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

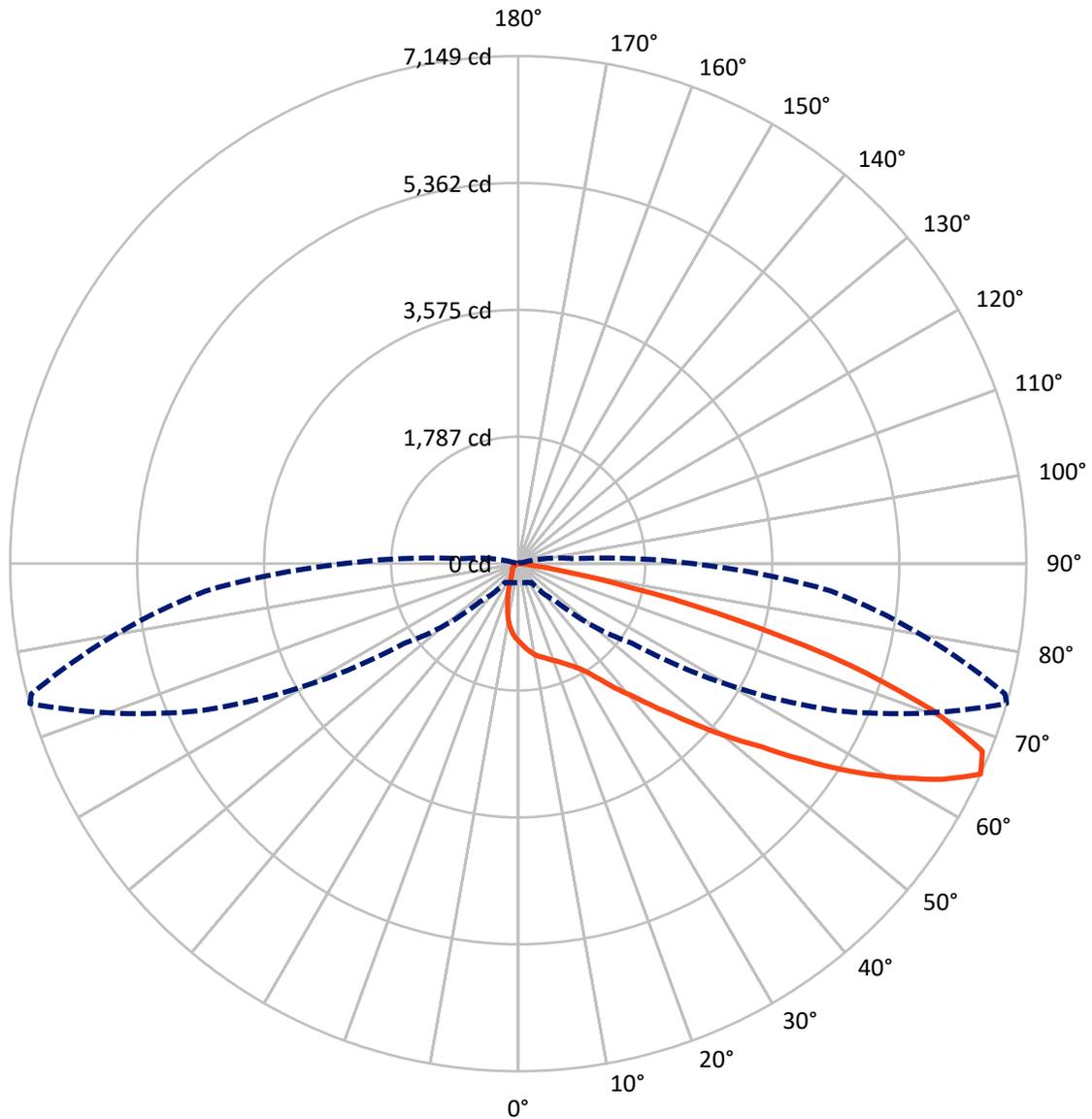
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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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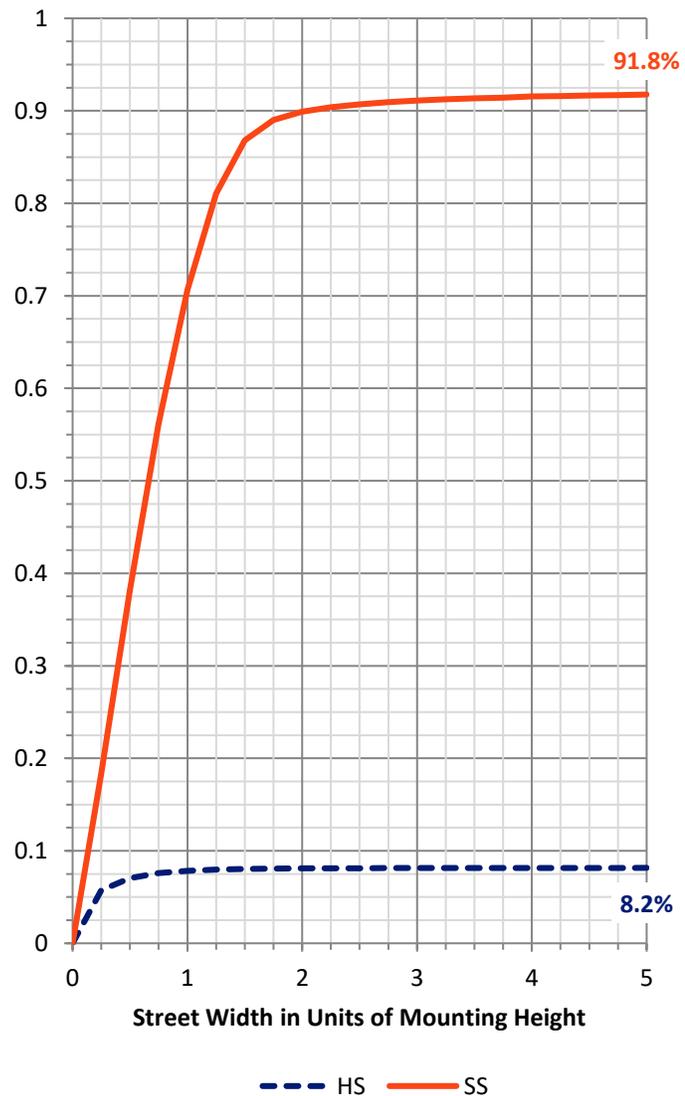
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	412.5	0.0	412.5
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	4605.5	0.0	4605.5
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	5018.0	0.0	5018.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.3	1.9
10°-20°	228.7	4.6
20°-30°	356.5	7.1
30°-40°	562.8	11.2
40°-50°	875.4	17.4
50°-60°	1265.4	25.2
60°-70°	1143.8	22.8
70°-80°	459.7	9.2
80°-90°	32.3	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°	5018.0	100.0
0°-180°	5018.0	100.0



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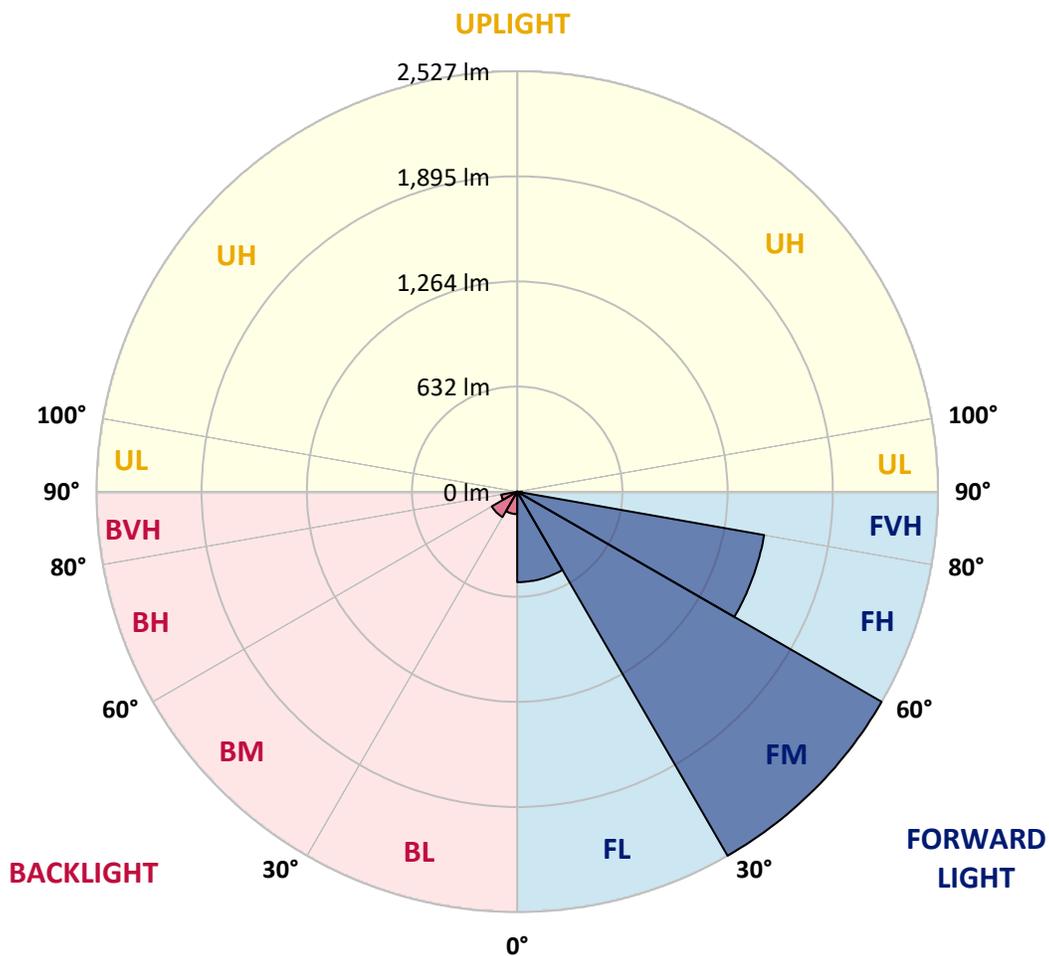
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	543.6	10.8			
FM	(30°-60°)	2527.1	50.4			
FH	(60°-80°)	1506.1	30.0			G1/1800
FVH	(80°-90°)	28.7	0.6			G1/100
BL	(0°-30°)	134.9	2.7	B1/500		
BM	(30°-60°)	176.5	3.5	B0/220		
BH	(60°-80°)	97.5	1.9	B0/110		G0/110
BVH	(80°-90°)	3.6	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°	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3
2.5°	1233.7	1229.1	1231.4	1221.4	1219.9	1209.9	1187.7	1165.4	1144.7	1139.3	1114.0
5°	1323.5	1321.2	1318.9	1317.3	1310.4	1302.8	1271.3	1241.4	1203.0	1196.1	1143.2
7.5°	1347.3	1345.0	1349.6	1357.2	1361.8	1358.0	1335.0	1305.8	1257.5	1249.8	1173.1
10°	1294.3	1292.0	1312.7	1342.7	1370.3	1390.2	1381.8	1355.7	1305.1	1297.4	1193.8
12.5°	1177.7	1174.6	1208.4	1269.8	1335.0	1391.8	1408.6	1391.0	1343.4	1335.0	1210.7
15°	1071.1	1066.5	1100.2	1162.4	1244.4	1354.2	1418.6	1424.0	1374.9	1369.5	1229.1
17.5°	1014.3	1015.0	1035.8	1087.2	1166.2	1285.9	1407.9	1454.7	1417.1	1410.2	1249.1
20°	1037.3	1038.8	1041.1	1061.1	1108.6	1226.0	1384.1	1487.7	1458.5	1450.8	1274.4
22.5°	1104.0	1107.9	1101.7	1091.0	1097.1	1182.3	1359.5	1523.7	1506.1	1498.4	1292.0
25°	1228.3	1223.7	1204.6	1161.6	1130.9	1169.3	1351.1	1565.2	1565.9	1556.7	1313.5
27.5°	1376.4	1364.1	1341.1	1272.8	1197.6	1190.7	1348.8	1609.6	1635.7	1622.7	1338.0
30°	1502.2	1496.1	1467.7	1404.8	1292.0	1240.6	1354.9	1652.6	1718.6	1711.7	1370.3
32.5°	1583.6	1582.0	1561.3	1519.1	1420.1	1321.2	1381.8	1710.9	1843.7	1820.6	1431.7
35°	1651.8	1644.9	1628.8	1601.2	1541.4	1430.9	1438.6	1804.5	2012.4	2005.5	1529.9
37.5°	1729.3	1720.9	1701.7	1667.2	1625.8	1560.5	1529.1	1925.7	2227.3	2224.2	1659.5
40°	1819.1	1813.7	1794.6	1748.5	1697.1	1658.0	1623.5	2050.8	2435.2	2413.7	1779.2
42.5°	1907.3	1908.9	1894.3	1846.7	1776.9	1724.0	1735.5	2178.2	2706.0	2695.3	1965.6
45°	2007.8	2002.5	1994.8	1960.3	1885.1	1776.1	1842.9	2354.6	3020.6	3047.4	2236.5
47.5°	2078.4	2076.9	2092.2	2066.2	2004.0	1859.8	1953.4	2573.3	3407.3	3432.6	2534.2
50°	2096.8	2094.5	2145.9	2167.4	2165.1	2021.7	2105.3	2850.3	3832.3	3828.5	2867.1
52.5°	1978.7	1984.1	2083.8	2198.1	2304.8	2271.0	2379.2	3231.6	4286.5	4299.6	3180.2
55°	1639.6	1673.3	1783.8	2048.5	2329.3	2525.0	2732.1	3756.4	4885.7	4851.2	3426.5
57.5°	1028.1	1010.4	1196.9	1580.5	2027.0	2544.1	3017.5	4283.4	5525.6	5481.9	3788.6
60°	524.0	501.0	609.9	881.5	1407.1	2138.3	3023.7	4743.0	6115.6	6066.5	4154.6
62.5°	320.7	316.9	339.1	430.4	728.9	1442.4	2620.1	5020.8	6692.6	6653.4	4402.4
65°	270.1	269.3	277.7	292.3	323.0	748.8	1954.9	4885.0	7149.1	7092.3	4416.9
67.5°	239.4	239.4	257.0	263.9	214.8	322.2	1199.2	4320.3	7042.4	7031.7	4109.3
70°	206.4	203.3	227.9	248.6	178.8	165.7	617.6	3471.0	6186.9	6222.2	3500.1
72.5°	155.7	158.8	184.1	211.8	146.5	116.6	282.3	2429.1	4871.9	4888.8	2750.5
75°	117.4	120.5	142.7	173.4	118.2	88.2	155.7	1578.2	3190.9	3229.3	1606.6
77.5°	89.8	90.5	112.8	143.5	91.3	67.5	105.1	876.9	1617.3	1582.8	624.5
80°	62.1	64.4	88.2	111.2	72.9	50.6	70.6	379.8	583.9	538.6	194.1
82.5°	23.0	29.9	62.1	80.6	51.4	36.1	52.2	152.7	171.1	160.4	71.4
85°	3.8	3.8	33.8	59.1	27.6	21.5	33.0	52.9	56.0	59.1	36.8
87.5°	0.0	0.0	3.8	13.0	4.6	3.1	9.2	13.0	26.9	29.9	19.9
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°	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3	1093.3
2.5°	1097.1	1081.0	1048.8	1021.2	978.2	940.6	916.8	898.4	884.6	868.5	852.4
5°	1109.4	1071.8	992.8	903.8	812.5	730.4	662.9	601.5	561.6	557.0	537.8
7.5°	1120.2	1060.3	926.8	768.8	629.1	510.2	426.6	375.2	330.7	316.9	323.0
10°	1120.2	1040.4	839.4	622.2	454.2	333.0	271.6	237.8	225.6	220.2	215.6
12.5°	1117.1	1008.1	729.6	484.9	316.1	242.4	214.8	202.5	195.6	192.6	191.0
15°	1112.5	969.0	621.5	362.1	241.7	207.9	194.1	184.9	178.8	175.7	173.4
17.5°	1109.4	928.3	523.3	274.7	208.7	189.5	178.0	168.8	163.4	158.8	158.0
20°	1100.2	880.8	428.1	225.6	189.5	173.4	161.1	152.7	147.3	141.9	141.9
22.5°	1085.6	813.3	338.3	196.4	173.4	157.3	144.2	135.8	130.4	127.4	125.8
25°	1067.2	746.5	268.5	179.5	158.0	140.4	128.9	120.5	115.9	114.3	112.8
27.5°	1046.5	679.8	221.0	165.7	143.5	126.6	113.6	107.4	104.3	102.8	101.3
30°	1029.6	619.2	191.8	154.2	129.7	112.8	101.3	95.9	93.6	92.8	91.3
32.5°	1031.2	567.8	171.9	141.2	118.9	102.0	90.5	85.2	85.2	84.4	84.4
35°	1059.5	535.5	158.0	129.7	107.4	91.3	81.3	76.7	78.3	78.3	77.5
37.5°	1090.2	503.3	145.0	117.4	97.4	81.3	71.4	69.1	69.8	70.6	70.6
40°	1130.1	479.5	134.3	105.9	87.5	72.9	64.4	62.1	62.1	62.1	61.4
42.5°	1220.7	477.2	125.1	95.9	78.3	64.4	58.3	55.2	53.7	52.9	51.4
45°	1348.0	494.1	118.9	86.7	69.1	58.3	52.9	49.1	44.5	42.2	41.4
47.5°	1512.2	537.8	113.6	78.3	60.6	52.9	47.6	42.2	36.1	33.0	32.2
50°	1717.1	606.1	108.2	71.4	54.5	47.6	41.4	34.5	28.4	25.3	25.3
52.5°	1908.9	686.7	102.8	65.2	48.3	43.7	35.3	27.6	22.2	19.9	19.2
55°	2081.5	777.2	96.7	58.3	43.7	38.4	29.2	21.5	16.1	13.8	13.0
57.5°	2289.4	891.5	89.0	51.4	39.1	33.0	23.0	15.3	10.7	7.7	6.9
60°	2516.5	949.1	79.0	45.3	33.8	27.6	17.6	10.7	6.1	3.1	3.1
62.5°	2590.2	920.7	66.7	39.1	29.2	22.2	13.0	6.9	2.3	0.0	0.0
65°	2455.9	788.7	56.8	34.5	25.3	16.9	9.2	3.8	0.0	0.0	0.0
67.5°	2146.7	613.8	46.8	29.9	21.5	13.8	6.1	0.8	0.0	0.0	0.0
70°	1772.3	455.0	39.1	24.6	18.4	10.7	3.8	0.0	0.0	0.0	0.0
72.5°	1368.0	323.0	33.8	20.7	15.3	8.4	2.3	0.0	0.0	0.0	0.0
75°	772.6	173.4	30.7	20.7	13.8	6.9	1.5	0.0	0.0	0.0	0.0
77.5°	319.2	79.8	26.9	20.7	13.8	7.7	2.3	0.0	0.0	0.0	0.0
80°	99.7	40.7	23.0	21.5	14.6	8.4	2.3	0.0	0.0	0.0	0.0
82.5°	46.8	31.5	23.8	19.9	13.0	7.7	2.3	0.0	0.0	0.0	0.0
85°	24.6	16.1	16.9	16.9	11.5	6.9	2.3	0.0	0.0	0.0	0.0
87.5°	6.9	0.8	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)