

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: P1208745

Luminaire Tested: UPW-SA2-070-727-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208745  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-727-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5625 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

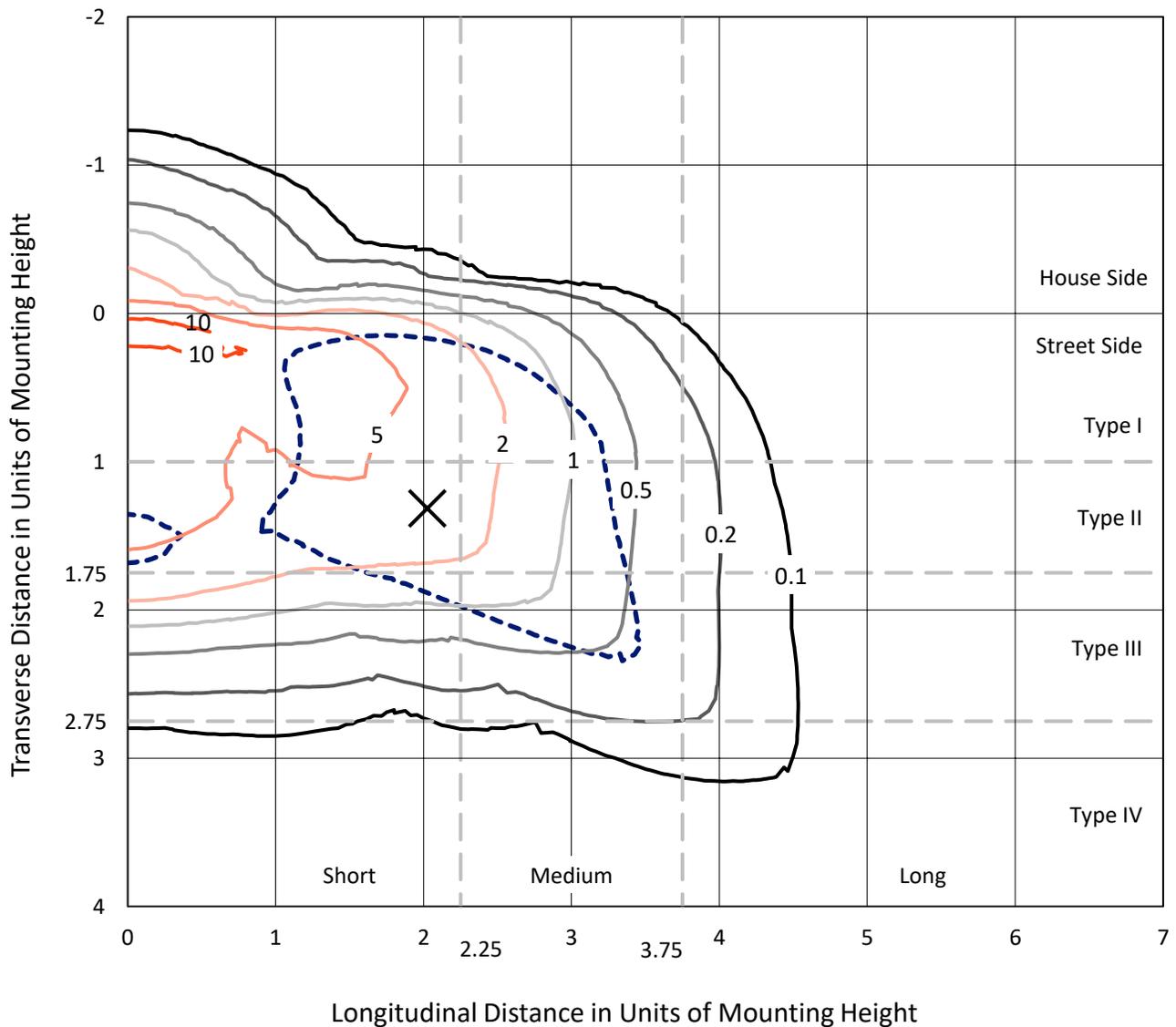
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1208745  
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### Iso-Footcandle Lines of Horizontal Illumination

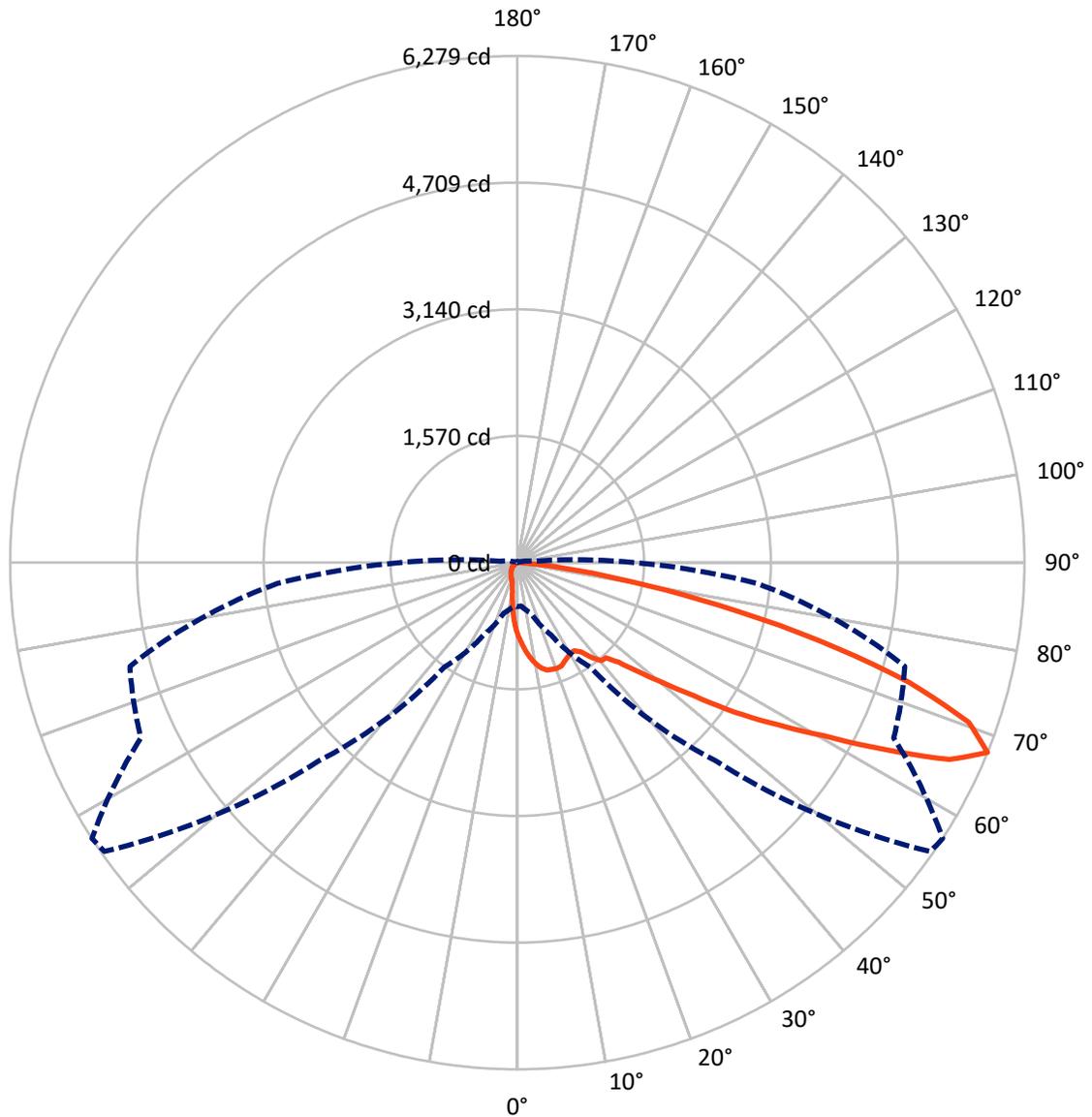
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P1208745  
CATALOG NUMBER: UPW-SA2-070-727-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: UPW-SA2-070-727-U-SL3-HSS

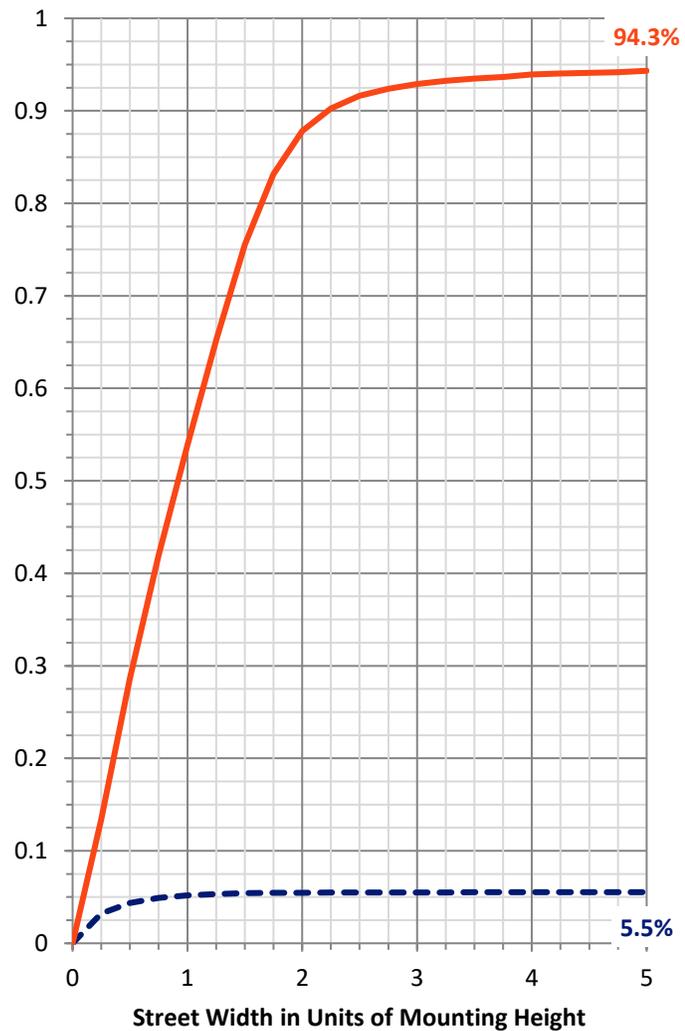
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	313.1	0.0	313.1
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	5311.9	0.0	5311.9
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	5625.0	0.0	5625.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.4	1.4
10°-20°	209.2	3.7
20°-30°	306.2	5.4
30°-40°	460.5	8.2
40°-50°	751.3	13.4
50°-60°	1421.9	25.3
60°-70°	1625.0	28.9
70°-80°	709.2	12.6
80°-90°	61.3	1.1
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°	5625.0	100.0
0°-180°	5625.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P1208745

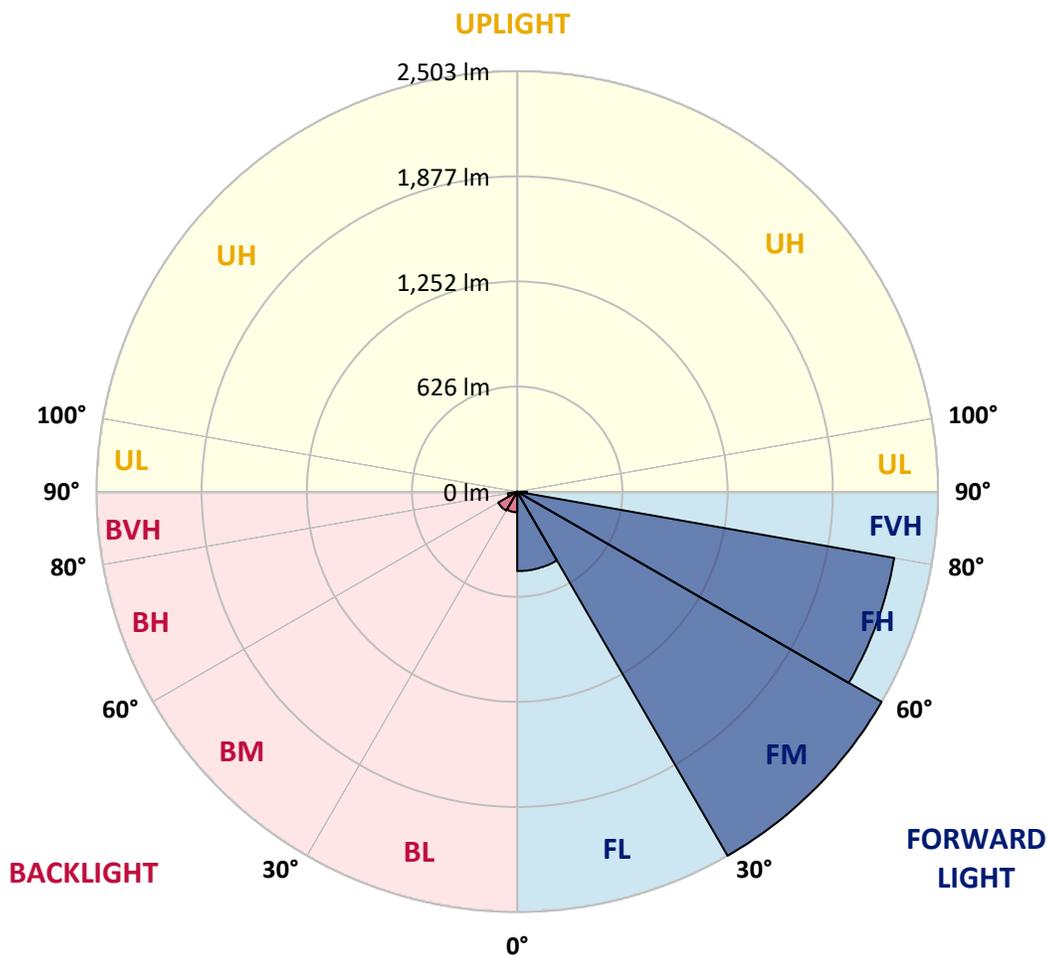
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.0	8.4			
FM (30°-60°)	2503.3	44.5			
FH (60°-80°)	2277.5	40.5			G2/5000
FVH (80°-90°)	58.2	1.0			G1/100
BL (0°-30°)	122.8	2.2	B1/500		
BM (30°-60°)	130.4	2.3	B0/220		
BH (60°-80°)	56.7	1.0	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-G2**

Type III Short





REPORT NUMBER: P1208745

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9
2.5°	1056.4	1065.2	1068.6	1053.8	1039.8	1029.4	1008.4	995.3	975.2	950.8	916.7
5°	1211.8	1211.0	1202.2	1190.9	1184.8	1151.6	1116.7	1102.7	1070.4	1009.3	942.9
7.5°	1270.3	1275.6	1281.7	1274.7	1264.2	1246.8	1205.7	1195.2	1148.1	1068.6	975.2
10°	1243.3	1252.0	1262.5	1280.8	1315.7	1321.8	1290.4	1279.1	1222.3	1135.0	1002.3
12.5°	1118.4	1131.5	1149.0	1208.3	1289.5	1340.2	1347.2	1343.7	1295.6	1194.4	1021.5
15°	952.5	938.6	984.0	1066.0	1199.6	1315.7	1378.6	1381.2	1356.8	1250.2	1042.5
17.5°	827.7	840.8	860.9	922.8	1061.7	1228.4	1374.2	1390.8	1402.2	1309.6	1066.9
20°	806.7	807.6	816.3	850.4	922.8	1123.6	1359.4	1398.7	1458.0	1368.1	1077.4
22.5°	826.8	821.6	825.9	832.9	878.3	1017.1	1327.9	1391.7	1491.2	1440.6	1099.2
25°	853.0	859.1	851.2	842.5	868.7	969.1	1291.3	1356.8	1541.0	1505.2	1108.8
27.5°	926.3	929.8	908.9	877.4	887.0	947.3	1234.5	1328.8	1616.1	1577.6	1124.5
30°	1045.9	1042.5	998.8	947.3	925.5	961.3	1198.7	1298.3	1656.2	1633.5	1116.7
32.5°	1135.0	1128.0	1085.2	1032.0	993.6	1014.5	1198.7	1301.8	1737.4	1731.3	1131.5
35°	1215.3	1209.2	1156.0	1113.2	1080.0	1099.2	1266.0	1358.5	1853.5	1912.9	1183.9
37.5°	1302.6	1286.0	1244.1	1169.9	1159.4	1233.7	1410.9	1487.7	2037.8	2081.4	1185.6
40°	1440.6	1426.6	1359.4	1282.5	1225.8	1334.1	1524.4	1597.7	2167.8	2216.7	1178.7
42.5°	1630.0	1596.9	1513.9	1402.2	1311.4	1388.2	1537.5	1613.4	2266.5	2427.2	1245.9
45°	1836.1	1826.5	1711.2	1567.2	1471.1	1461.5	1676.3	1760.1	2485.6	2766.8	1391.7
47.5°	2133.8	2058.7	1906.8	1753.1	1671.1	1606.5	1889.3	2016.8	2752.8	3164.0	1609.1
50°	2447.2	2403.6	2172.2	1960.1	1859.7	1836.1	2226.3	2341.6	3095.1	3611.0	1971.4
52.5°	2981.6	2881.2	2568.6	2301.4	2127.7	2105.0	2593.0	2740.6	3481.0	4144.5	2337.2
55°	3341.3	3279.3	2965.0	2763.3	2535.4	2466.4	3112.5	3274.0	3953.3	4609.8	2703.0
57.5°	3456.5	3380.6	3097.7	3048.8	2996.4	3035.7	3651.2	3785.7	4280.7	4973.0	3027.0
60°	2994.7	2992.0	2830.5	2958.0	3217.3	3671.3	4287.7	4347.0	4546.1	5195.7	3228.6
62.5°	2153.9	2146.9	2179.2	2495.3	2978.9	4101.7	5163.4	5097.0	4776.6	5319.7	3337.8
65°	1116.7	1121.9	1284.3	1700.8	2396.6	4068.5	5964.9	5881.0	4918.9	5243.7	3260.9
67.5°	544.8	540.4	646.1	989.2	1582.9	3474.0	6239.9	6279.2	5142.4	4965.2	2983.3
70°	271.5	275.0	351.8	522.1	864.3	2495.3	5762.3	5929.1	4936.4	4372.4	2540.7
72.5°	191.2	193.8	239.2	309.9	404.2	1514.8	4782.7	5070.0	4120.0	3478.3	1790.7
75°	137.1	141.4	175.5	231.4	224.4	760.4	3696.6	3866.9	2986.8	2147.8	949.0
77.5°	99.5	105.6	137.1	178.1	155.4	319.5	2559.9	2555.5	1685.0	1020.6	384.2
80°	65.5	69.8	101.3	131.8	110.9	148.4	1499.9	1412.6	745.6	391.1	139.7
82.5°	36.7	38.4	68.1	91.7	76.8	69.8	670.5	618.1	252.3	143.2	65.5
85°	2.6	4.4	40.2	57.6	41.0	34.9	187.7	170.2	81.2	65.5	34.9
87.5°	0.0	0.0	5.2	10.5	7.0	5.2	45.4	39.3	24.4	38.4	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208745

CATALOG NUMBER: UPW-SA2-070-727-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9	894.9
2.5°	902.8	878.3	841.6	805.8	770.9	739.5	716.8	694.1	684.5	662.7	700.2
5°	908.0	864.3	777.0	692.3	619.0	540.4	488.9	452.3	433.9	417.3	418.2
7.5°	913.2	846.9	712.4	569.2	463.6	380.7	334.4	317.8	310.8	302.1	302.1
10°	907.1	818.9	619.9	447.9	340.5	296.0	270.7	264.5	268.0	267.2	269.8
12.5°	907.1	785.8	525.6	349.2	279.4	253.2	246.2	245.3	250.6	254.1	255.8
15°	895.8	735.1	431.3	286.4	244.5	234.9	232.2	232.2	235.7	239.2	238.3
17.5°	886.2	684.5	352.7	246.2	223.5	220.9	219.1	217.4	221.8	225.3	226.1
20°	862.6	613.8	290.7	221.8	209.5	206.0	205.2	203.4	207.8	211.3	213.9
22.5°	828.5	533.4	248.8	203.4	197.3	192.9	190.3	191.2	195.6	199.1	197.3
25°	783.1	462.7	218.3	190.3	181.6	179.0	175.5	177.2	178.1	181.6	184.2
27.5°	733.4	393.8	198.2	179.9	171.1	165.9	161.5	160.6	161.5	165.9	164.1
30°	660.0	333.5	184.2	167.6	158.0	151.0	145.8	143.2	142.3	143.2	144.1
32.5°	604.2	293.4	174.6	158.0	145.8	137.1	131.0	125.7	124.0	122.2	122.2
35°	568.4	271.5	165.0	144.9	133.6	124.8	115.2	109.1	105.6	103.9	104.8
37.5°	491.5	234.0	153.7	135.3	122.2	111.8	102.1	92.5	89.9	91.7	91.7
40°	426.9	200.8	143.2	124.0	109.1	99.5	89.1	77.7	76.0	81.2	82.1
42.5°	402.5	186.0	133.6	113.5	97.8	89.9	76.0	67.2	67.2	71.6	72.5
45°	432.2	181.6	124.8	103.9	88.2	79.4	65.5	57.6	57.6	62.0	62.9
47.5°	526.5	188.6	116.1	94.3	81.2	69.8	54.1	50.6	50.6	52.4	53.3
50°	726.4	211.3	107.4	84.7	74.2	59.4	47.1	43.7	42.8	43.7	43.7
52.5°	980.5	256.7	97.8	76.0	65.5	49.8	41.0	37.5	34.9	34.9	34.0
55°	1237.1	305.6	88.2	67.2	56.7	42.8	34.9	31.4	27.1	25.3	24.4
57.5°	1463.3	344.9	76.8	59.4	48.9	36.7	30.6	23.6	17.5	14.0	14.0
60°	1603.8	355.3	66.4	51.5	40.2	31.4	24.4	15.7	8.7	7.0	6.1
62.5°	1630.0	322.2	56.7	43.7	34.0	26.2	17.5	8.7	3.5	0.9	0.9
65°	1559.3	254.1	48.9	36.7	27.9	21.0	11.3	4.4	0.0	0.0	0.0
67.5°	1440.6	199.9	41.0	30.6	23.6	16.6	7.0	0.9	0.0	0.0	0.0
70°	1256.4	159.8	35.8	26.2	20.1	14.0	4.4	0.0	0.0	0.0	0.0
72.5°	925.5	105.6	31.4	23.6	17.5	10.5	2.6	0.0	0.0	0.0	0.0
75°	506.4	67.2	28.8	21.8	16.6	8.7	1.7	0.0	0.0	0.0	0.0
77.5°	205.2	47.1	25.3	21.0	16.6	8.7	1.7	0.0	0.0	0.0	0.0
80°	77.7	33.2	21.8	18.3	15.7	8.7	1.7	0.0	0.0	0.0	0.0
82.5°	41.0	27.1	21.0	18.3	14.8	7.9	0.9	0.0	0.0	0.0	0.0
85°	20.1	8.7	10.5	10.5	12.2	7.0	0.9	0.0	0.0	0.0	0.0
87.5°	4.4	0.0	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)