

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: P1209638

Luminaire Tested: UPW-SA2-130-827-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-827-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8673 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

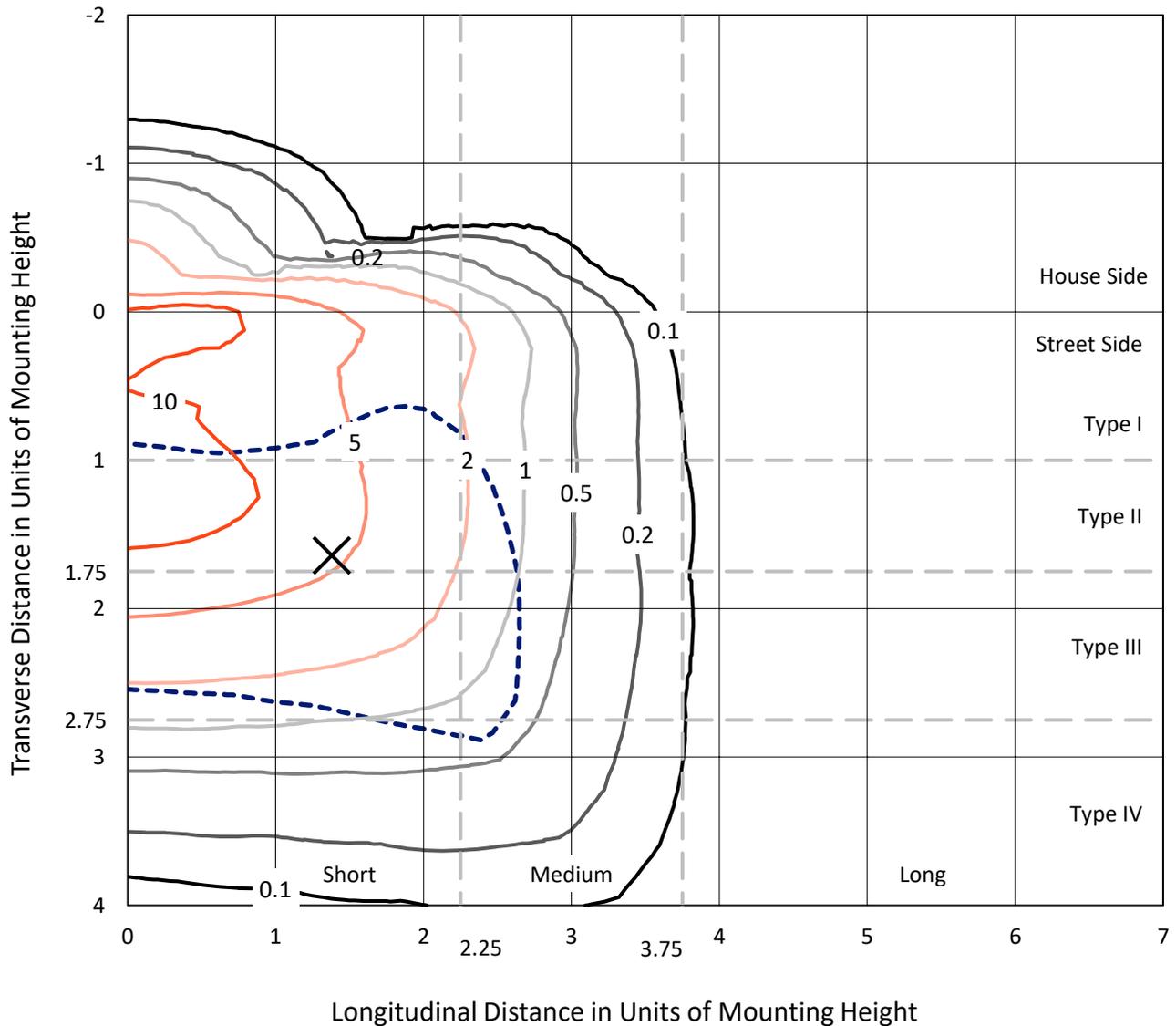
Input Watts (W): 128
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209638
 CATALOG NUMBER: UPW-SA2-130-827-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

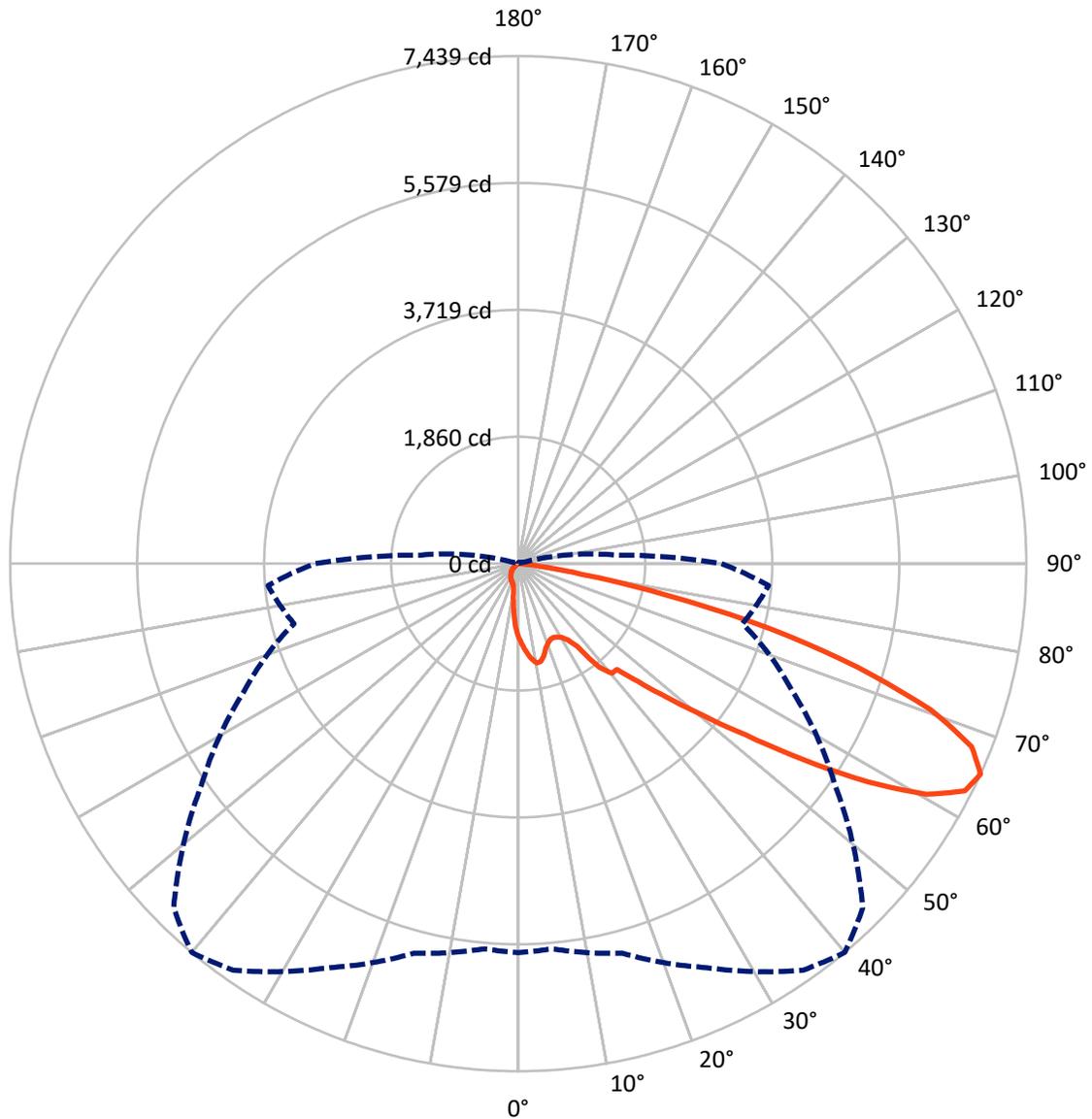
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P1209638
CATALOG NUMBER: UPW-SA2-130-827-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P1209638

CATALOG NUMBER: UPW-SA2-130-827-U-SL4-HSS

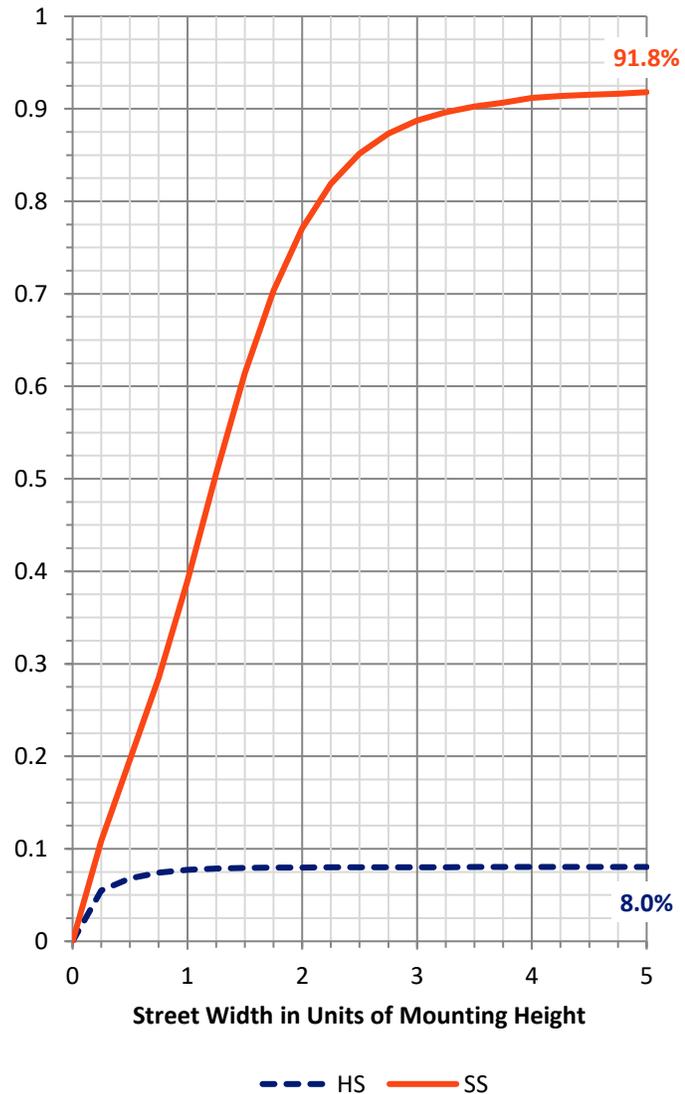
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	701.9	0.0	701.9
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	7971.1	0.0	7971.1
	% Fixture	91.9	0.0	91.9
Total	Lumens	8673.0	0.0	8673.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	1.1
10°-20°	279.4	3.2
20°-30°	436.0	5.0
30°-40°	722.5	8.3
40°-50°	1225.1	14.1
50°-60°	2158.0	24.9
60°-70°	2687.8	31.0
70°-80°	1010.2	11.6
80°-90°	54.7	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°	8673.0	100.0
0°-180°	8673.0	100.0



REPORT NUMBER: P1209638

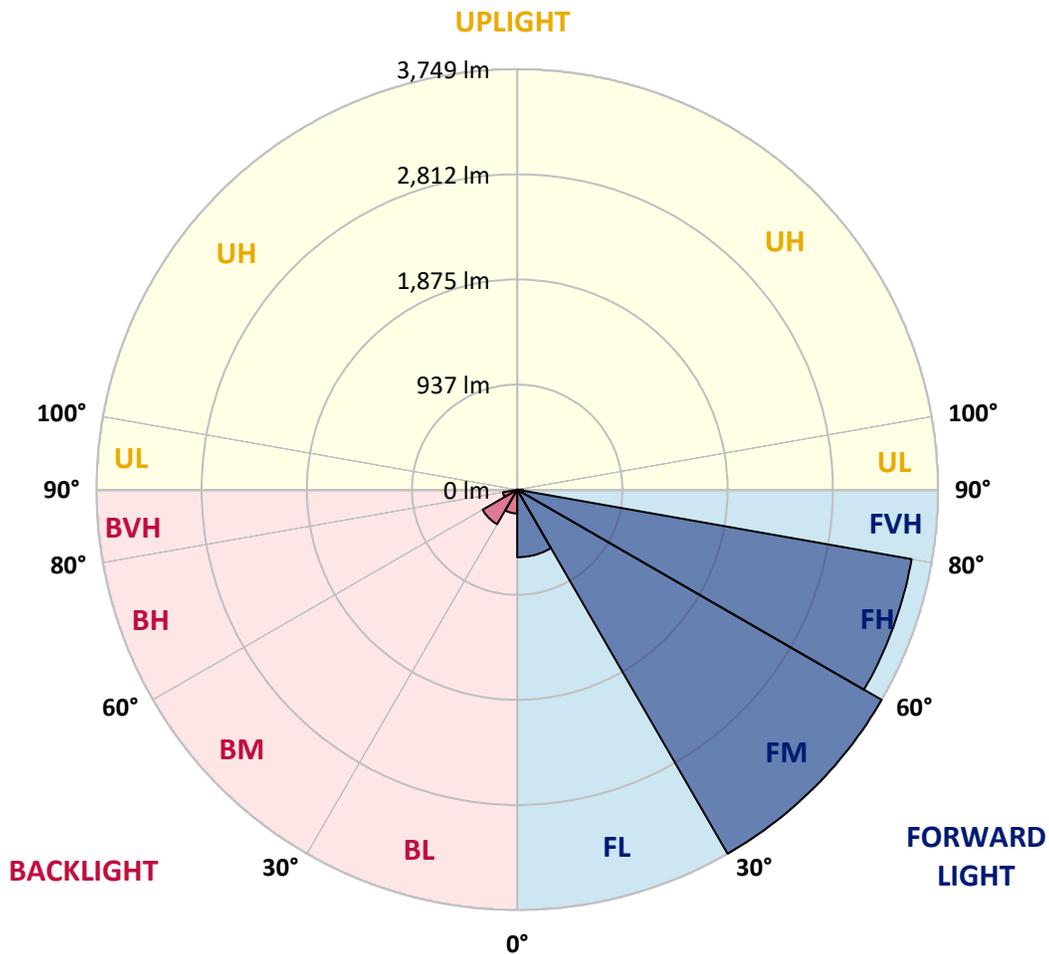
CATALOG NUMBER: UPW-SA2-130-827-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	602.3	6.9			
FM	(30°-60°)	3749.2	43.2			
FH	(60°-80°)	3568.4	41.1			G2/5000
FVH	(80°-90°)	51.1	0.6			G1/100
BL	(0°-30°)	212.4	2.4	B1/500		
BM	(30°-60°)	356.4	4.1	B1/1000		
BH	(60°-80°)	129.5	1.5	B1/500		G1/500
BVH	(80°-90°)	3.6	0.0			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 IV Short





REPORT NUMBER: P1209638

CATALOG NUMBER: UPW-SA2-130-827-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1
2.5°	1226.1	1215.9	1213.4	1208.3	1195.5	1194.2	1191.7	1168.7	1152.1	1135.5	1109.9
5°	1344.9	1337.3	1330.9	1329.6	1320.7	1309.2	1306.6	1274.7	1244.0	1209.5	1155.9
7.5°	1431.8	1424.1	1424.1	1424.1	1413.9	1410.1	1410.1	1376.9	1347.5	1295.1	1222.3
10°	1449.7	1444.6	1449.7	1462.4	1475.2	1480.3	1485.4	1477.8	1453.5	1396.0	1307.9
12.5°	1405.0	1399.8	1405.0	1424.1	1448.4	1472.7	1504.6	1545.5	1554.4	1514.8	1399.8
15°	1360.3	1353.9	1343.7	1339.8	1365.4	1402.4	1445.8	1556.9	1638.7	1627.2	1505.9
17.5°	1332.2	1330.9	1306.6	1273.4	1276.0	1304.1	1360.3	1511.0	1679.6	1728.1	1604.2
20°	1305.3	1301.5	1274.7	1227.4	1217.2	1242.7	1290.0	1447.1	1671.9	1821.3	1706.4
22.5°	1291.3	1286.2	1250.4	1194.2	1184.0	1207.0	1249.1	1378.1	1633.6	1876.3	1803.5
25°	1307.9	1304.1	1253.0	1187.8	1178.9	1198.0	1235.1	1341.1	1583.8	1896.7	1881.4
27.5°	1364.1	1356.4	1288.7	1210.8	1199.3	1217.2	1247.9	1328.3	1540.3	1889.0	1944.0
30°	1555.7	1526.3	1425.4	1279.8	1244.0	1255.5	1279.8	1344.9	1512.2	1878.8	2014.2
32.5°	1927.3	1912.0	1743.4	1479.0	1343.7	1333.4	1350.0	1396.0	1531.4	1932.5	2144.5
35°	2573.6	2554.5	2315.6	1895.4	1545.5	1489.3	1479.0	1518.6	1677.0	1946.5	2166.2
37.5°	3076.9	3059.0	2858.5	2543.0	2111.3	1928.6	1809.8	1793.2	1686.0	1881.4	2193.0
40°	3322.1	3291.4	2997.7	2572.4	2250.5	2113.8	1982.3	1714.0	1594.0	1843.0	2262.0
42.5°	3914.7	3830.4	3484.3	2951.7	2370.5	2120.2	1887.8	1604.2	1627.2	1882.6	2369.3
45°	4573.8	4578.9	4160.0	3452.4	2763.9	2465.1	2173.9	1735.8	1746.0	1983.5	2511.0
47.5°	5333.7	5245.6	4802.4	4087.2	3255.7	2917.2	2591.5	1964.4	1914.6	2145.8	2701.4
50°	5886.8	5830.6	5485.7	4811.3	3862.4	3477.9	3050.0	2308.0	2190.5	2332.2	2894.2
52.5°	6192.0	6179.3	6006.8	5466.6	4613.4	4166.3	3606.9	2710.3	2527.6	2537.9	3037.3
55°	6432.2	6397.7	6390.0	6125.6	5462.7	5069.3	4341.3	3256.9	2955.5	2738.4	3180.3
57.5°	6673.6	6634.0	6667.2	6619.9	6376.0	6037.5	5222.6	3850.9	3328.5	2951.7	3351.5
60°	6677.4	6637.8	6731.0	6930.3	7038.8	6863.9	6116.7	4499.7	3739.7	3170.1	3583.9
62.5°	6369.6	6330.0	6489.6	6904.7	7358.2	7336.4	6810.2	5121.7	4149.7	3388.5	3776.8
65°	5699.0	5667.1	5911.0	6533.1	7272.6	7438.6	7133.4	5662.0	4428.2	3398.7	3677.2
67.5°	4346.4	4403.9	4817.7	5676.0	6828.1	7161.5	7087.4	5803.8	4291.5	3089.6	3297.8
70°	2804.8	2909.5	3371.9	4384.7	5810.1	6405.3	6443.7	5152.4	3591.6	2512.3	2477.8
72.5°	1493.1	1512.2	1938.8	2836.7	4418.0	5199.6	5257.1	3879.0	2457.4	1669.3	1352.6
75°	653.9	706.3	949.0	1595.3	2944.0	3810.0	3638.8	2324.6	1268.3	763.8	523.7
77.5°	235.0	254.2	369.1	780.4	1661.7	2230.1	2078.1	1104.8	512.2	338.5	153.3
80°	113.7	115.0	148.2	297.6	694.8	940.0	817.4	390.8	233.7	190.3	60.0
82.5°	38.3	47.3	84.3	117.5	258.0	320.6	236.3	145.6	139.2	144.3	42.1
85°	0.0	1.3	42.1	63.9	66.4	75.4	60.0	63.9	85.6	86.9	14.0
87.5°	0.0	0.0	0.0	12.8	14.0	14.0	7.7	15.3	35.8	42.1	2.6
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: P1209638

CATALOG NUMBER: UPW-SA2-130-827-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1
2.5°	1094.6	1079.3	1048.6	1023.1	988.6	964.3	938.8	927.3	919.6	887.7	885.1
5°	1126.5	1092.0	1021.8	945.2	869.8	795.7	725.5	685.9	651.4	637.3	620.7
7.5°	1173.8	1121.4	997.5	866.0	724.2	609.2	531.3	487.9	452.1	445.8	440.6
10°	1238.9	1159.7	977.1	763.8	564.5	456.0	392.1	364.0	352.5	350.0	346.1
12.5°	1310.4	1208.3	954.1	645.0	441.9	350.0	323.1	323.1	329.5	332.1	332.1
15°	1402.4	1264.5	910.7	539.0	355.1	306.5	305.3	310.4	316.8	319.3	320.6
17.5°	1482.9	1323.2	855.7	441.9	305.3	291.2	293.8	297.6	304.0	309.1	309.1
20°	1569.7	1376.9	799.5	364.0	281.0	277.2	279.7	284.8	292.5	296.3	297.6
22.5°	1646.4	1419.0	734.4	312.9	264.4	264.4	268.2	273.3	282.3	288.7	288.7
25°	1710.2	1452.2	664.2	278.4	249.1	250.3	254.2	261.8	270.8	277.2	278.4
27.5°	1760.0	1468.8	583.7	250.3	233.7	233.7	240.1	249.1	260.6	268.2	268.2
30°	1823.9	1494.4	522.4	229.9	217.1	217.1	222.2	233.7	249.1	259.3	259.3
32.5°	1919.7	1539.1	457.3	212.0	201.8	201.8	206.9	217.1	232.5	245.2	247.8
35°	1935.0	1518.6	390.8	198.0	187.8	186.5	189.0	198.0	210.7	219.7	223.5
37.5°	1959.3	1518.6	328.2	182.6	173.7	172.4	173.7	177.5	182.6	185.2	183.9
40°	2012.9	1528.9	275.9	169.9	160.9	158.4	157.1	155.8	150.7	144.3	143.1
42.5°	2097.2	1555.7	231.2	155.8	146.9	144.3	140.5	131.6	120.1	111.1	111.1
45°	2198.1	1579.9	194.1	144.3	134.1	131.6	120.1	106.0	92.0	85.6	85.6
47.5°	2322.0	1609.3	164.8	134.1	123.9	117.5	98.3	81.7	70.2	67.7	67.7
50°	2465.1	1627.2	139.2	122.6	113.7	102.2	77.9	63.9	54.9	53.6	53.6
52.5°	2564.7	1625.9	118.8	112.4	103.5	85.6	62.6	51.1	44.7	42.1	42.1
55°	2660.5	1608.0	99.6	99.6	89.4	69.0	51.1	42.1	35.8	33.2	31.9
57.5°	2776.7	1599.1	85.6	83.0	72.8	56.2	42.1	34.5	28.1	23.0	21.7
60°	2961.9	1614.4	71.5	66.4	57.5	44.7	34.5	26.8	20.4	14.0	12.8
62.5°	3085.8	1599.1	58.8	53.6	46.0	35.8	25.5	19.2	11.5	7.7	6.4
65°	2970.8	1427.9	49.8	43.4	37.0	28.1	19.2	12.8	5.1	1.3	0.0
67.5°	2568.5	1140.6	42.1	35.8	29.4	21.7	14.0	7.7	1.3	0.0	0.0
70°	1867.3	768.9	37.0	29.4	23.0	17.9	10.2	3.8	0.0	0.0	0.0
72.5°	977.1	361.5	33.2	26.8	20.4	14.0	7.7	2.6	0.0	0.0	0.0
75°	342.3	130.3	30.7	25.5	17.9	11.5	6.4	2.6	0.0	0.0	0.0
77.5°	107.3	58.8	30.7	26.8	19.2	11.5	6.4	2.6	0.0	0.0	0.0
80°	48.5	38.3	28.1	25.5	17.9	11.5	6.4	1.3	0.0	0.0	0.0
82.5°	34.5	30.7	26.8	23.0	16.6	10.2	5.1	1.3	0.0	0.0	0.0
85°	12.8	10.2	10.2	12.8	11.5	6.4	2.6	0.0	0.0	0.0	0.0
87.5°	1.3	1.3	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)