

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: P1209476

Luminaire Tested: UPW-SA2-130-727-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-727-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 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: 9866 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

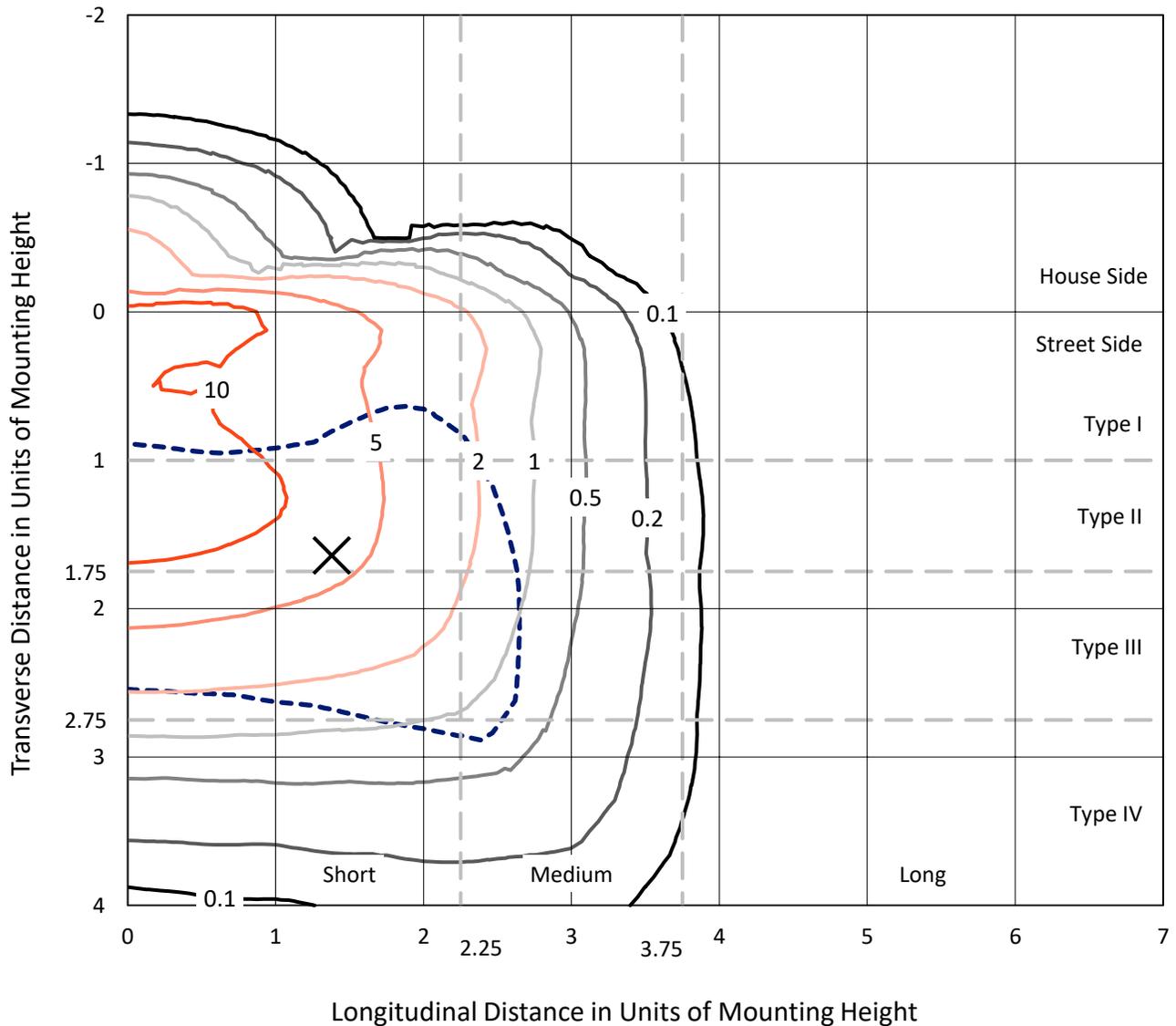
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209476
 CATALOG NUMBER: UPW-SA2-130-727-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

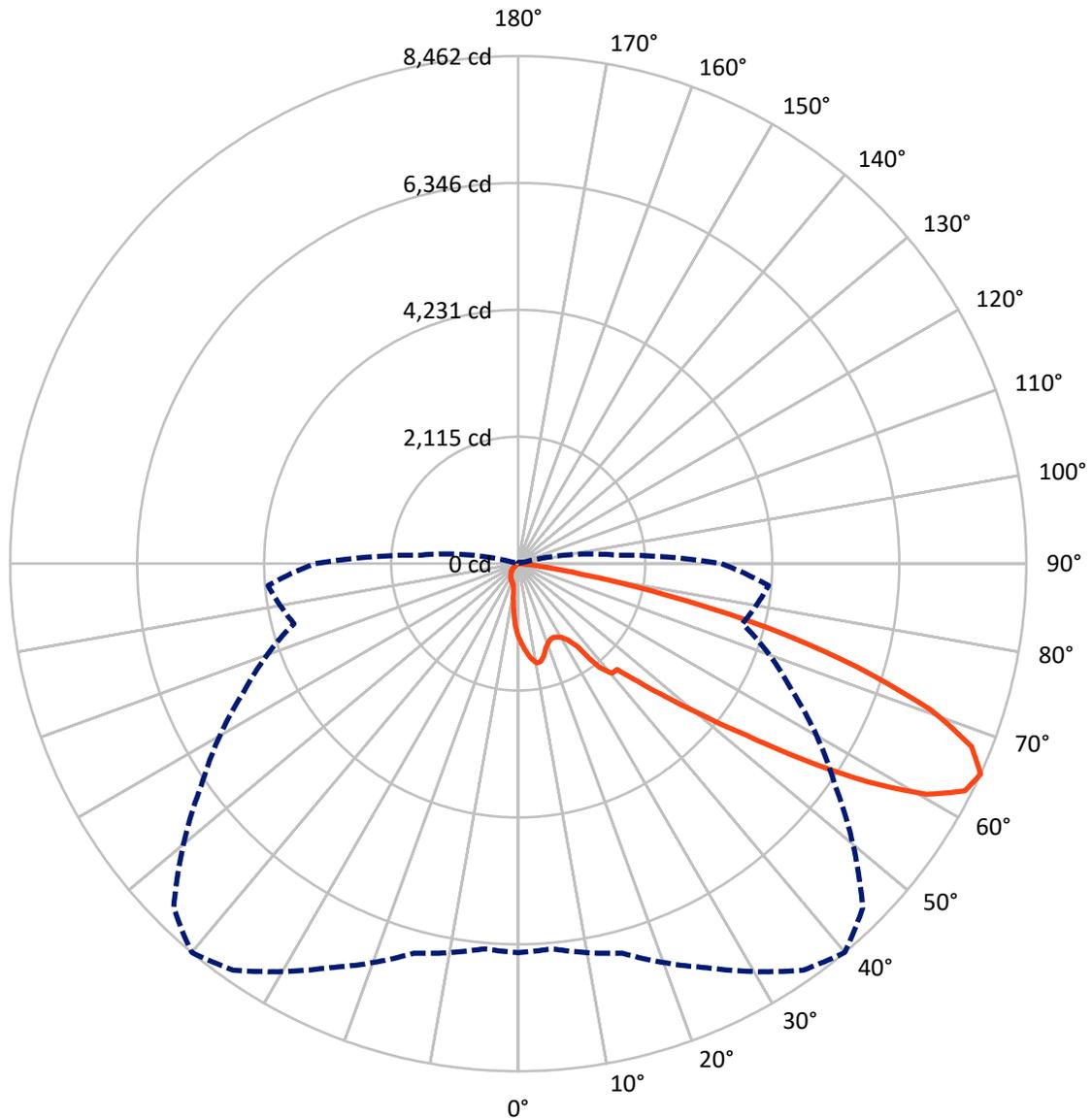
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P1209476
CATALOG NUMBER: UPW-SA2-130-727-U-SL4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209476

CATALOG NUMBER: UPW-SA2-130-727-U-SL4-HSS

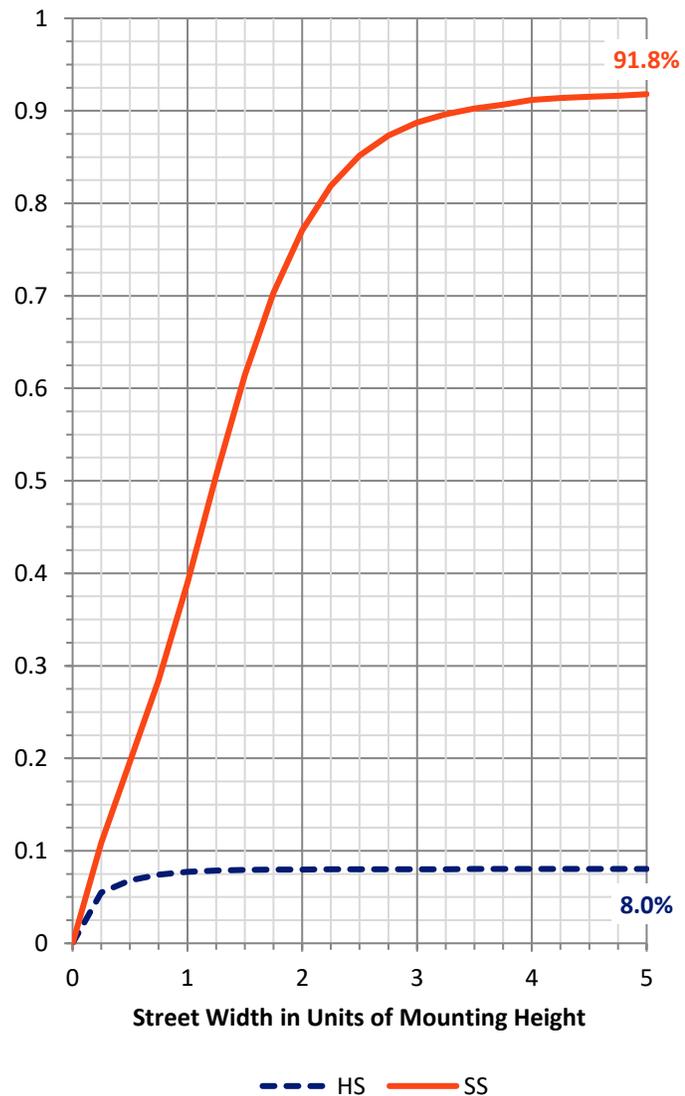
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	798.5	0.0	798.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	9067.5	0.0	9067.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	9866.0	0.0	9866.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	1.1
10°-20°	317.8	3.2
20°-30°	496.0	5.0
30°-40°	821.9	8.3
40°-50°	1393.6	14.1
50°-60°	2454.8	24.9
60°-70°	3057.6	31.0
70°-80°	1149.1	11.6
80°-90°	62.2	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°	9866.0	100.0
0°-180°	9866.0	100.0



REPORT NUMBER: P1209476

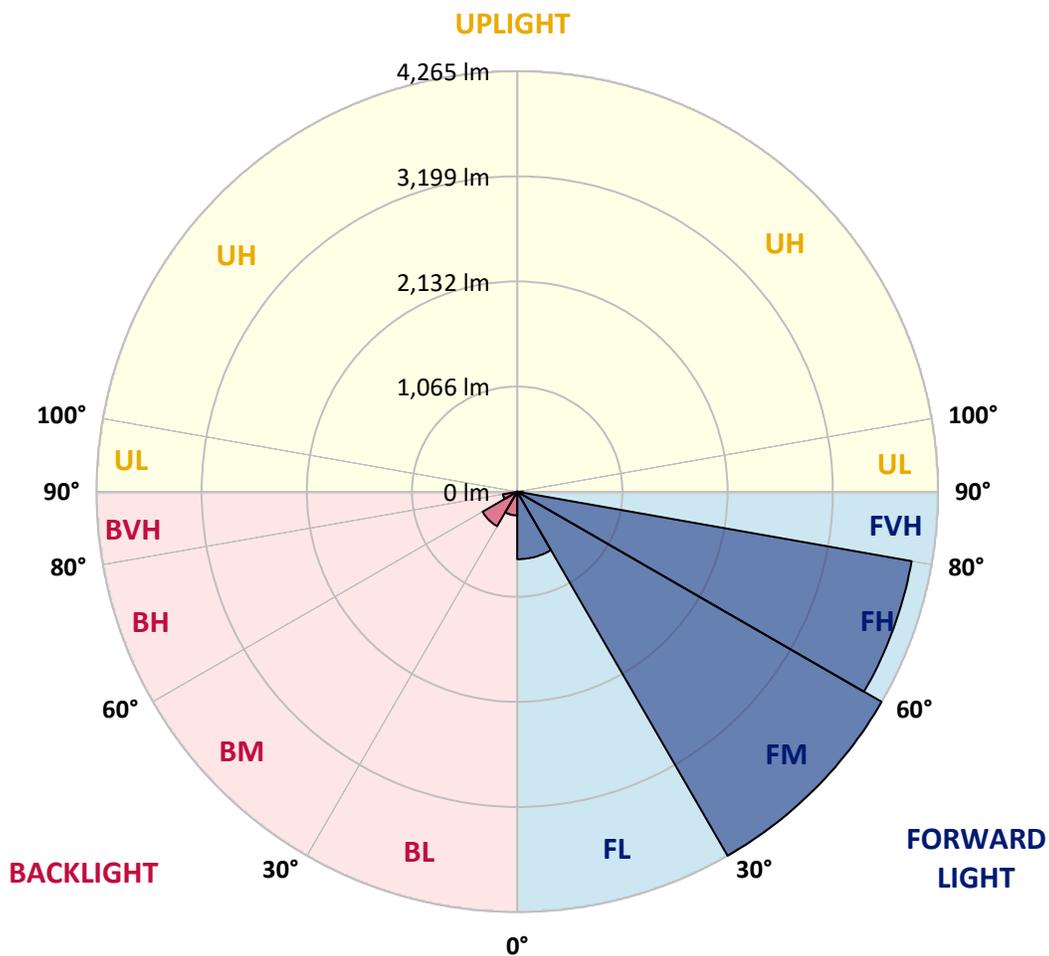
CATALOG NUMBER: UPW-SA2-130-727-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	685.2	6.9			
FM	(30°-60°)	4264.9	43.2			
FH	(60°-80°)	4059.3	41.1			G2/5000
FVH	(80°-90°)	58.1	0.6			G1/100
BL	(0°-30°)	241.6	2.4	B1/500		
BM	(30°-60°)	405.4	4.1	B1/1000		
BH	(60°-80°)	147.4	1.5	B1/500		G1/500
BVH	(80°-90°)	4.1	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: P1209476

CATALOG NUMBER: UPW-SA2-130-727-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1
2.5°	1394.8	1383.2	1380.3	1374.5	1359.9	1358.5	1355.6	1329.4	1310.5	1291.6	1262.6
5°	1529.9	1521.2	1513.9	1512.5	1502.3	1489.2	1486.3	1450.0	1415.1	1375.9	1314.9
7.5°	1628.7	1620.0	1620.0	1620.0	1608.4	1604.0	1604.0	1566.3	1532.8	1473.3	1390.4
10°	1649.1	1643.3	1649.1	1663.6	1678.1	1683.9	1689.7	1681.0	1653.4	1588.0	1487.8
12.5°	1598.2	1592.4	1598.2	1620.0	1647.6	1675.2	1711.5	1758.0	1768.2	1723.2	1592.4
15°	1547.4	1540.1	1528.5	1524.1	1553.2	1595.3	1644.7	1771.1	1864.1	1851.0	1713.0
17.5°	1515.4	1513.9	1486.3	1448.6	1451.5	1483.4	1547.4	1718.8	1910.6	1965.8	1824.9
20°	1484.9	1480.5	1450.0	1396.3	1384.6	1413.7	1467.5	1646.2	1901.9	2071.9	1941.1
22.5°	1468.9	1463.1	1422.4	1358.5	1346.9	1373.0	1421.0	1567.7	1858.3	2134.3	2051.5
25°	1487.8	1483.4	1425.3	1351.2	1341.0	1362.8	1405.0	1525.6	1801.6	2157.6	2140.2
27.5°	1551.7	1543.0	1466.0	1377.4	1364.3	1384.6	1419.5	1511.0	1752.2	2148.9	2211.3
30°	1769.7	1736.2	1621.5	1455.8	1415.1	1428.2	1455.8	1529.9	1720.3	2137.2	2291.3
32.5°	2192.5	2175.0	1983.2	1682.5	1528.5	1516.9	1535.7	1588.0	1742.1	2198.3	2439.5
35°	2927.6	2905.8	2634.1	2156.1	1758.0	1694.1	1682.5	1727.5	1907.7	2214.3	2464.2
37.5°	3500.1	3479.8	3251.6	2892.8	2401.7	2193.9	2058.8	2039.9	1917.9	2140.2	2494.7
40°	3779.1	3744.2	3410.0	2926.2	2560.1	2404.6	2254.9	1949.8	1813.2	2096.6	2573.1
42.5°	4453.2	4357.3	3963.6	3357.7	2696.6	2411.9	2147.4	1824.9	1851.0	2141.6	2695.2
45°	5202.9	5208.7	4732.2	3927.3	3144.1	2804.1	2472.9	1974.5	1986.1	2256.4	2856.4
47.5°	6067.4	5967.2	5463.0	4649.4	3703.5	3318.5	2948.0	2234.6	2177.9	2440.9	3072.9
50°	6696.5	6632.6	6240.3	5473.2	4393.6	3956.3	3469.6	2625.4	2491.8	2653.0	3292.3
52.5°	7043.8	7029.2	6833.1	6218.5	5248.0	4739.4	4103.1	3083.1	2875.3	2887.0	3455.1
55°	7316.9	7277.7	7269.0	6968.2	6214.2	5766.7	4938.5	3705.0	3362.1	3115.1	3617.8
57.5°	7591.5	7546.5	7584.3	7530.5	7253.0	6868.0	5941.0	4380.6	3786.3	3357.7	3812.5
60°	7595.9	7550.8	7656.9	7883.6	8007.1	7808.0	6958.0	5118.6	4254.2	3606.2	4076.9
62.5°	7245.7	7200.7	7382.3	7854.5	8370.3	8345.6	7747.0	5826.2	4720.5	3854.6	4296.3
65°	6482.9	6446.6	6724.1	7431.7	8272.9	8461.8	8114.6	6440.8	5037.3	3866.2	4183.0
67.5°	4944.3	5009.7	5480.4	6456.8	7767.3	8146.5	8062.3	6602.1	4881.8	3514.6	3751.4
70°	3190.6	3309.8	3835.7	4987.9	6609.3	7286.4	7330.0	5861.1	4085.6	2857.9	2818.7
72.5°	1698.5	1720.3	2205.5	3226.9	5025.7	5914.8	5980.2	4412.5	2795.4	1899.0	1538.6
75°	743.9	803.5	1079.5	1814.7	3349.0	4334.1	4139.4	2644.3	1442.8	868.8	595.7
77.5°	267.3	289.1	419.9	887.7	1890.3	2536.8	2363.9	1256.8	582.6	385.0	174.4
80°	129.3	130.8	168.5	338.5	790.4	1069.4	929.9	444.6	265.9	216.5	68.3
82.5°	43.6	53.8	95.9	133.7	293.5	364.7	268.8	165.6	158.4	164.2	47.9
85°	0.0	1.5	47.9	72.6	75.6	85.7	68.3	72.6	97.3	98.8	16.0
87.5°	0.0	0.0	0.0	14.5	16.0	16.0	8.7	17.4	40.7	47.9	2.9
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: P1209476

CATALOG NUMBER: UPW-SA2-130-727-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1	1232.1
2.5°	1245.2	1227.7	1192.8	1163.8	1124.6	1097.0	1067.9	1054.8	1046.1	1009.8	1006.9
5°	1281.5	1242.2	1162.3	1075.2	989.4	905.2	825.3	780.2	741.0	725.0	706.1
7.5°	1335.2	1275.7	1134.7	985.1	823.8	693.0	604.4	555.0	514.3	507.1	501.3
10°	1409.3	1319.3	1111.5	868.8	642.2	518.7	446.0	414.1	401.0	398.1	393.7
12.5°	1490.7	1374.5	1085.3	733.7	502.7	398.1	367.6	367.6	374.9	377.8	377.8
15°	1595.3	1438.4	1035.9	613.1	403.9	348.7	347.2	353.1	360.3	363.2	364.7
17.5°	1686.8	1505.2	973.5	502.7	347.2	331.3	334.2	338.5	345.8	351.6	351.6
20°	1785.6	1566.3	909.5	414.1	319.6	315.3	318.2	324.0	332.7	337.1	338.5
22.5°	1872.8	1614.2	835.4	356.0	300.8	300.8	305.1	310.9	321.1	328.4	328.4
25°	1945.5	1652.0	755.5	316.7	283.3	284.8	289.1	297.8	308.0	315.3	316.7
27.5°	2002.1	1670.9	664.0	284.8	265.9	265.9	273.1	283.3	296.4	305.1	305.1
30°	2074.8	1699.9	594.2	261.5	247.0	247.0	252.8	265.9	283.3	294.9	294.9
32.5°	2183.7	1750.8	520.1	241.2	229.6	229.6	235.4	247.0	264.4	279.0	281.9
35°	2201.2	1727.5	444.6	225.2	213.6	212.1	215.0	225.2	239.7	249.9	254.3
37.5°	2228.8	1727.5	373.4	207.8	197.6	196.1	197.6	202.0	207.8	210.7	209.2
40°	2289.8	1739.1	313.8	193.2	183.1	180.2	178.7	177.3	171.4	164.2	162.7
42.5°	2385.7	1769.7	263.0	177.3	167.1	164.2	159.8	149.7	136.6	126.4	126.4
45°	2500.5	1797.3	220.8	164.2	152.6	149.7	136.6	120.6	104.6	97.3	97.3
47.5°	2641.4	1830.7	187.4	152.6	140.9	133.7	111.9	93.0	79.9	77.0	77.0
50°	2804.1	1851.0	158.4	139.5	129.3	116.2	88.6	72.6	62.5	61.0	61.0
52.5°	2917.5	1849.6	135.1	127.9	117.7	97.3	71.2	58.1	50.9	47.9	47.9
55°	3026.4	1829.2	113.3	113.3	101.7	78.5	58.1	47.9	40.7	37.8	36.3
57.5°	3158.7	1819.1	97.3	94.4	82.8	63.9	47.9	39.2	32.0	26.2	24.7
60°	3369.3	1836.5	81.4	75.6	65.4	50.9	39.2	30.5	23.2	16.0	14.5
62.5°	3510.3	1819.1	66.8	61.0	52.3	40.7	29.1	21.8	13.1	8.7	7.3
65°	3379.5	1624.4	56.7	49.4	42.1	32.0	21.8	14.5	5.8	1.5	0.0
67.5°	2921.8	1297.5	47.9	40.7	33.4	24.7	16.0	8.7	1.5	0.0	0.0
70°	2124.2	874.7	42.1	33.4	26.2	20.3	11.6	4.4	0.0	0.0	0.0
72.5°	1111.5	411.2	37.8	30.5	23.2	16.0	8.7	2.9	0.0	0.0	0.0
75°	389.4	148.2	34.9	29.1	20.3	13.1	7.3	2.9	0.0	0.0	0.0
77.5°	122.0	66.8	34.9	30.5	21.8	13.1	7.3	2.9	0.0	0.0	0.0
80°	55.2	43.6	32.0	29.1	20.3	13.1	7.3	1.5	0.0	0.0	0.0
82.5°	39.2	34.9	30.5	26.2	18.9	11.6	5.8	1.5	0.0	0.0	0.0
85°	14.5	11.6	11.6	14.5	13.1	7.3	2.9	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	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)