

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: P1209155

Luminaire Tested: UPW-SA2-090-827-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-090-827-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR
LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8421 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

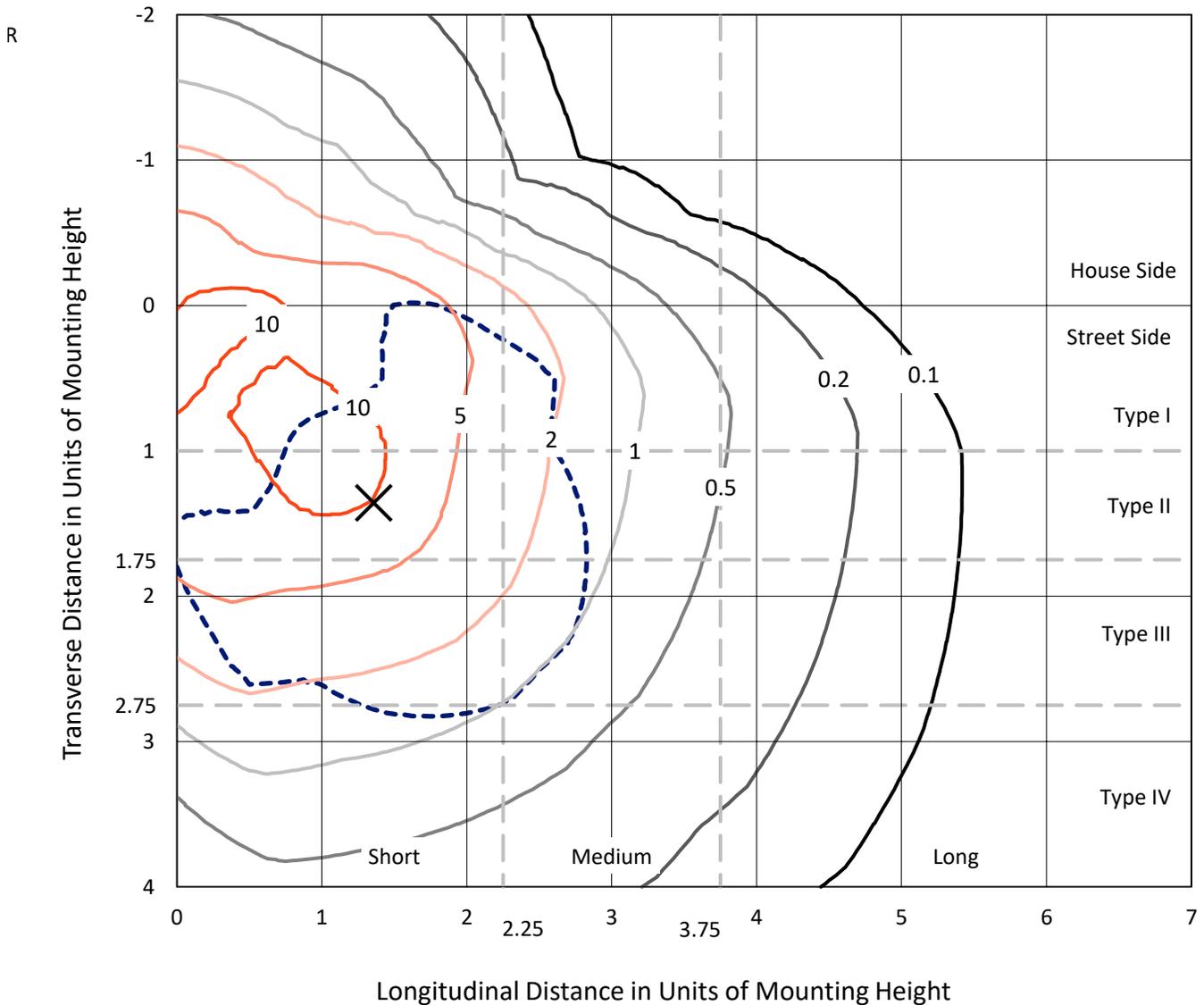
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

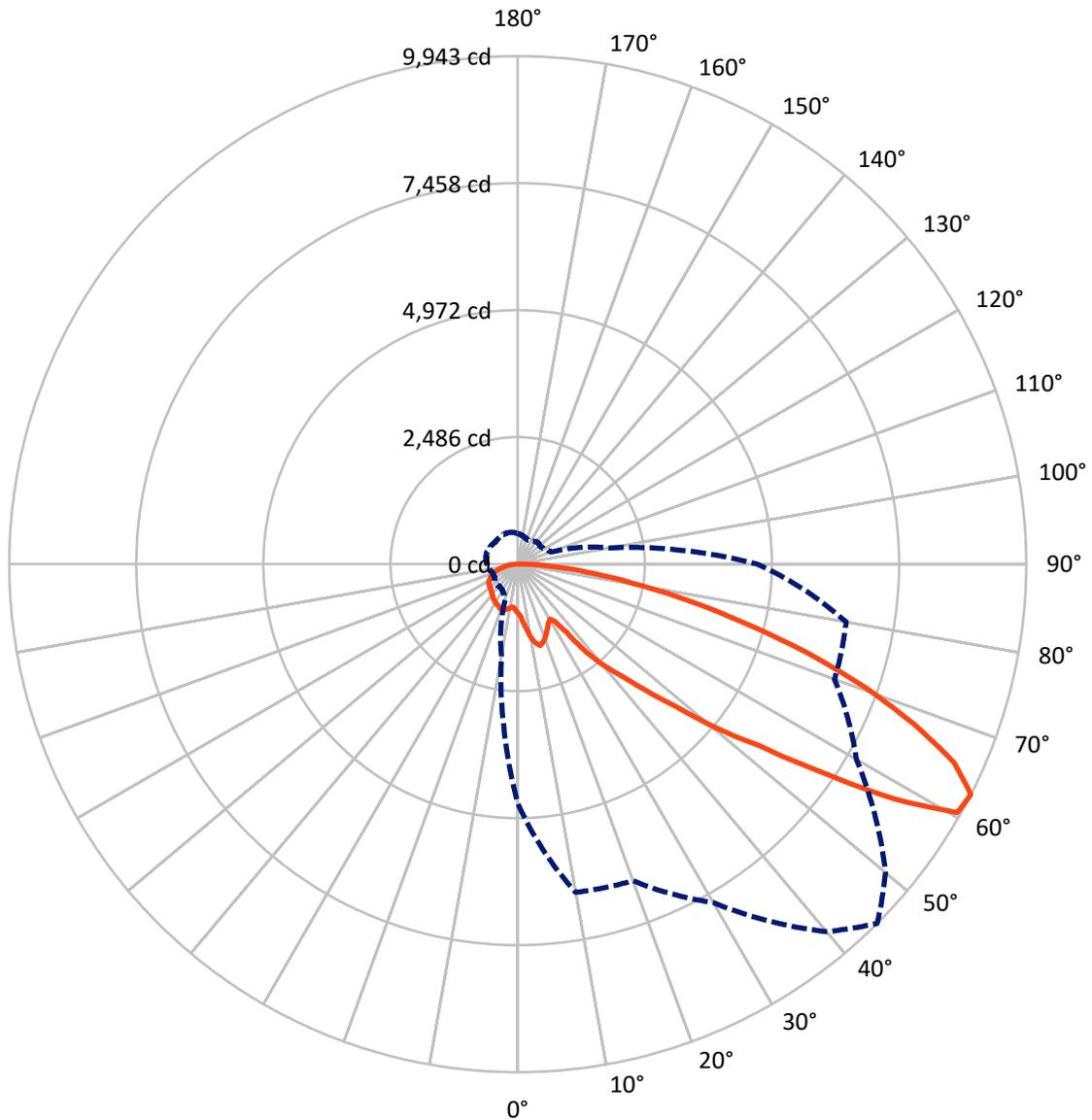


Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2063.7	0.0	2063.7
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	6357.3	0.0	6357.3
	% Fixture	75.5	0.0	75.5
Total	Lumens	8421.0	0.0	8421.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	1.1
10°-20°	323.1	3.8
20°-30°	525.4	6.2
30°-40°	716.7	8.5
40°-50°	1085.2	12.9
50°-60°	1866.0	22.2
60°-70°	2188.4	26.0
70°-80°	1305.2	15.5
80°-90°	315.3	3.7
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°	8421.0	100.0
0°-180°	8421.0	100.0



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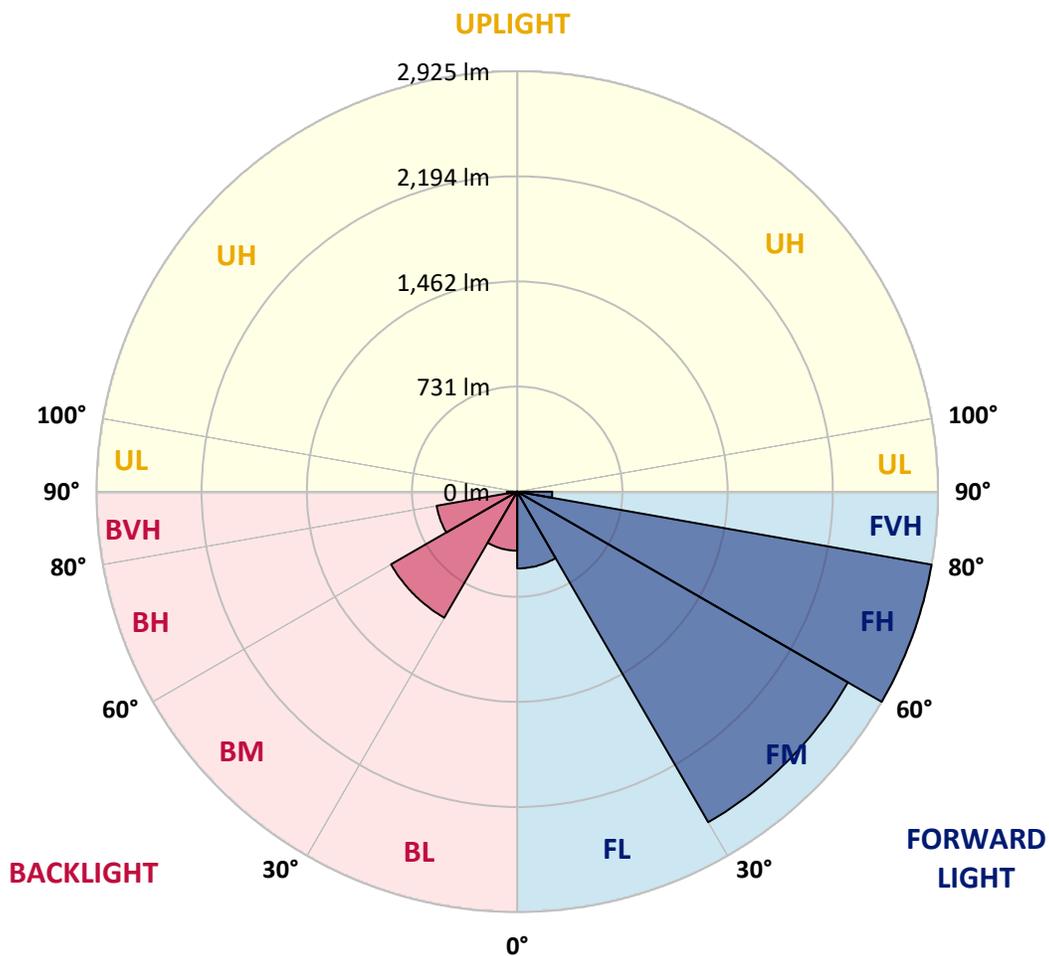
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.8	6.3			
FM	(30°-60°)	2655.0	31.5			
FH	(60°-80°)	2924.9	34.7			G2/5000
FVH	(80°-90°)	243.6	2.9			G3/500
BL	(0°-30°)	410.5	4.9	B1/500		
BM	(30°-60°)	1012.9	12.0	B2/2500		
BH	(60°-80°)	568.7	6.8	B2/1000		G2/1000
BVH	(80°-90°)	71.6	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	999.4	1003.7	1007.9	1009.7	1011.5	1013.2	1015.0	1016.3	1017.7	1014.5	1017.7
5°	1069.1	1082.2	1095.4	1106.8	1118.2	1126.8	1135.4	1139.6	1144.0	1150.9	1144.0
7.5°	1163.6	1181.6	1199.7	1224.4	1249.3	1266.1	1282.9	1290.2	1297.6	1299.6	1297.6
10°	1232.3	1278.5	1324.6	1352.0	1379.4	1399.5	1419.6	1436.8	1454.2	1473.7	1454.2
12.5°	1315.6	1368.1	1420.6	1460.1	1499.6	1525.0	1550.4	1567.5	1584.6	1590.4	1584.6
15°	1398.0	1455.3	1512.5	1549.6	1586.7	1606.4	1626.2	1634.7	1643.1	1653.5	1643.1
17.5°	1488.8	1531.7	1574.6	1599.1	1623.5	1624.4	1625.2	1614.6	1604.0	1601.7	1604.0
20°	1553.2	1588.7	1624.3	1624.8	1625.2	1604.1	1582.9	1564.4	1546.1	1537.7	1546.1
22.5°	1600.8	1625.1	1649.5	1624.4	1599.4	1552.3	1505.3	1478.5	1451.8	1444.6	1451.8
25°	1665.2	1669.0	1672.8	1621.7	1570.7	1505.0	1439.4	1405.1	1370.8	1362.7	1370.8
27.5°	1706.6	1694.8	1682.8	1605.4	1527.8	1450.8	1373.8	1334.7	1295.7	1284.6	1295.7
30°	1766.9	1723.9	1680.8	1580.9	1481.1	1403.5	1326.0	1293.3	1260.7	1250.7	1260.7
32.5°	1827.6	1755.9	1684.1	1577.1	1470.0	1415.9	1361.9	1353.1	1344.1	1337.3	1344.1
35°	1877.5	1796.9	1716.3	1635.7	1555.1	1563.3	1571.6	1600.6	1629.7	1629.0	1629.7
37.5°	1965.0	1882.5	1800.1	1786.7	1773.5	1877.5	1981.4	2064.9	2148.3	2191.8	2148.3
40°	2086.8	2029.0	1971.1	2019.4	2067.5	2212.1	2356.6	2455.5	2554.3	2626.5	2554.3
42.5°	2256.7	2223.8	2190.8	2251.2	2311.5	2470.1	2628.6	2763.4	2898.0	2999.2	2898.0
45°	2548.0	2514.0	2479.9	2508.7	2537.3	2735.9	2934.5	3145.5	3356.5	3534.7	3356.5
47.5°	3035.4	2956.4	2877.3	2853.3	2829.1	3096.6	3364.2	3672.5	3980.9	4164.3	3980.9
50°	3680.1	3556.5	3433.1	3320.3	3207.7	3585.1	3962.7	4411.8	4860.9	5049.8	4860.9
52.5°	4273.0	4159.6	4046.2	3848.1	3650.0	4096.7	4543.5	5126.7	5709.9	5891.2	5709.9
55°	4787.3	4834.7	4882.1	4614.1	4346.1	4841.8	5337.3	6084.4	6831.5	7151.3	6831.5
57.5°	5158.1	5579.8	6001.7	5715.3	5428.9	5891.5	6354.2	7242.2	8130.3	8665.4	8130.3
60°	5094.5	5940.0	6785.4	6658.2	6531.1	6926.3	7321.6	8285.1	9248.6	9873.8	9248.6
62.5°	4680.5	5600.5	6520.7	6556.6	6592.4	7120.3	7648.1	8519.2	9390.3	9943.4	9390.3
65°	4165.7	5031.8	5897.7	5950.9	6004.1	6614.4	7224.7	8079.1	8933.5	9379.7	8933.5
67.5°	3573.7	4474.4	5375.0	5407.1	5439.2	5997.0	6554.8	7323.8	8092.9	8349.2	8092.9
70°	3064.6	3922.5	4780.5	4850.8	4921.1	5408.2	5895.1	6464.5	7034.0	7180.4	7034.0
72.5°	2457.2	3320.0	4182.9	4290.4	4397.8	4754.7	5111.5	5509.6	5907.7	5894.0	5907.7
75°	1807.8	2616.4	3425.1	3573.7	3722.4	3941.2	4160.0	4370.3	4580.6	4520.9	4580.6
77.5°	1253.5	1907.5	2561.4	2718.9	2876.4	3030.7	3185.1	3333.3	3481.5	3387.9	3481.5
80°	691.2	1157.1	1623.2	1800.4	1977.7	2139.0	2300.2	2376.7	2453.1	2295.3	2453.1
82.5°	342.1	602.3	862.5	1038.9	1215.1	1378.6	1542.0	1589.9	1637.7	1486.9	1637.7
85°	134.6	265.2	395.7	527.4	658.9	787.7	916.4	921.3	926.3	817.8	926.3
87.5°	48.5	101.8	155.3	223.0	290.8	360.0	429.1	426.7	424.1	350.1	424.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	1016.3	1015.0	1013.2	1011.5	1009.7	1007.9	1003.7	999.4	996.8	995.8	992.4
5°	1139.6	1135.4	1126.8	1118.2	1106.8	1095.4	1082.2	1069.1	1061.3	1050.4	1035.1
7.5°	1290.2	1282.9	1266.1	1249.3	1224.4	1199.7	1181.6	1163.6	1128.3	1098.4	1073.9
10°	1436.8	1419.6	1399.5	1379.4	1352.0	1324.6	1278.5	1232.3	1203.1	1168.3	1126.6
12.5°	1567.5	1550.4	1525.0	1499.6	1460.1	1420.6	1368.1	1315.6	1270.5	1221.5	1171.1
15°	1634.7	1626.2	1606.4	1586.7	1549.6	1512.5	1455.3	1398.0	1343.1	1281.3	1214.8
17.5°	1614.6	1625.2	1624.4	1623.5	1599.1	1574.6	1531.7	1488.8	1408.5	1329.3	1250.6
20°	1564.4	1582.9	1604.1	1625.2	1624.8	1624.3	1588.7	1553.2	1472.2	1386.4	1291.0
22.5°	1478.5	1505.3	1552.3	1599.4	1624.4	1649.5	1625.1	1600.8	1516.2	1423.9	1313.3
25°	1405.1	1439.4	1505.0	1570.7	1621.7	1672.8	1669.0	1665.2	1564.0	1456.0	1327.4
27.5°	1334.7	1373.8	1450.8	1527.8	1605.4	1682.8	1694.8	1706.6	1615.5	1511.4	1366.5
30°	1293.3	1326.0	1403.5	1481.1	1580.9	1680.8	1723.9	1766.9	1673.0	1562.2	1399.9
32.5°	1353.1	1361.9	1415.9	1470.0	1577.1	1684.1	1755.9	1827.6	1726.4	1605.7	1421.5
35°	1600.6	1571.6	1563.3	1555.1	1635.7	1716.3	1796.9	1877.5	1778.1	1650.7	1441.4
37.5°	2064.9	1981.4	1877.5	1773.5	1786.7	1800.1	1882.5	1965.0	1846.2	1694.9	1456.8
40°	2455.5	2356.6	2212.1	2067.5	2019.4	1971.1	2029.0	2086.8	1956.2	1774.1	1491.8
42.5°	2763.4	2628.6	2470.1	2311.5	2251.2	2190.8	2223.8	2256.7	2076.7	1847.5	1525.1
45°	3145.5	2934.5	2735.9	2537.3	2508.7	2479.9	2514.0	2548.0	2271.4	1949.4	1570.8
47.5°	3672.5	3364.2	3096.6	2829.1	2853.3	2877.3	2956.4	3035.4	2597.5	2113.5	1643.6
50°	4411.8	3962.7	3585.1	3207.7	3320.3	3433.1	3556.5	3680.1	3064.2	2376.0	1772.2
52.5°	5126.7	4543.5	4096.7	3650.0	3848.1	4046.2	4159.6	4273.0	3471.2	2588.4	1870.9
55°	6084.4	5337.3	4841.8	4346.1	4614.1	4882.1	4834.7	4787.3	3744.6	2675.3	1896.6
57.5°	7242.2	6354.2	5891.5	5428.9	5715.3	6001.7	5579.8	5158.1	3784.4	2515.3	1775.9
60°	8285.1	7321.6	6926.3	6531.1	6658.2	6785.4	5940.0	5094.5	3549.0	2163.7	1513.1
62.5°	8519.2	7648.1	7120.3	6592.4	6556.6	6520.7	5600.5	4680.5	3159.6	1817.4	1257.4
65°	8079.1	7224.7	6614.4	6004.1	5950.9	5897.7	5031.8	4165.7	2727.2	1491.8	1023.0
67.5°	7323.8	6554.8	5997.0	5439.2	5407.1	5375.0	4474.4	3573.7	2272.4	1189.7	804.8
70°	6464.5	5895.1	5408.2	4921.1	4850.8	4780.5	3922.5	3064.6	1862.1	914.9	625.3
72.5°	5509.6	5111.5	4754.7	4397.8	4290.4	4182.9	3320.0	2457.2	1436.8	670.0	471.7
75°	4370.3	4160.0	3941.2	3722.4	3573.7	3425.1	2616.4	1807.8	1034.1	472.4	348.8
77.5°	3333.3	3185.1	3030.7	2876.4	2718.9	2561.4	1907.5	1253.5	712.2	329.6	256.9
80°	2376.7	2300.2	2139.0	1977.7	1800.4	1623.2	1157.1	691.2	409.9	212.7	177.4
82.5°	1589.9	1542.0	1378.6	1215.1	1038.9	862.5	602.3	342.1	218.6	133.8	119.4
85°	921.3	916.4	787.7	658.9	527.4	395.7	265.2	134.6	98.8	75.1	71.1
87.5°	426.7	429.1	360.0	290.8	223.0	155.3	101.8	48.5	37.6	31.2	29.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	988.9	982.6	976.4	971.9	967.4	962.3	954.1	949.9	945.8	941.8	937.8
5°	1019.7	1005.2	990.8	978.6	966.5	955.7	945.6	934.3	923.0	913.2	903.4
7.5°	1049.3	1026.0	1002.7	984.8	967.0	950.0	933.4	920.1	906.7	895.9	885.1
10°	1084.9	1052.3	1019.9	1000.0	980.1	964.6	938.3	924.2	910.2	899.7	889.1
12.5°	1120.6	1079.6	1038.8	1009.9	981.1	959.4	948.4	941.9	935.4	927.8	920.2
15°	1148.3	1096.4	1044.4	1011.3	978.3	955.7	949.4	951.5	953.8	956.2	958.8
17.5°	1171.8	1104.3	1036.6	997.7	959.0	936.8	947.1	954.6	962.0	973.3	984.6
20°	1195.4	1110.3	1025.0	978.2	931.2	909.6	914.2	931.7	949.1	970.3	991.7
22.5°	1202.7	1101.8	1000.8	947.8	894.8	873.3	891.9	913.3	934.7	957.0	979.2
25°	1198.7	1083.7	968.8	914.7	860.6	842.7	861.6	882.6	903.6	925.1	946.5
27.5°	1221.7	1088.3	954.7	894.8	834.7	815.4	833.6	851.3	869.1	887.9	906.7
30°	1237.5	1090.8	944.1	881.0	818.0	797.1	803.0	815.3	827.4	844.0	860.3
32.5°	1237.3	1078.3	919.2	860.1	800.9	782.0	787.9	793.0	798.0	809.8	821.6
35°	1232.1	1060.5	888.8	834.6	780.3	766.0	764.2	764.0	763.7	769.0	774.3
37.5°	1218.7	1034.1	849.3	797.6	745.8	735.5	731.5	728.2	724.8	728.3	731.7
40°	1209.5	1008.5	807.4	757.5	707.5	703.9	701.1	696.4	691.7	692.1	692.4
42.5°	1202.7	987.2	771.7	723.8	675.9	669.1	661.6	659.3	657.1	655.8	654.5
45°	1192.2	970.2	748.2	700.0	651.7	631.9	631.7	626.6	621.6	623.4	625.1
47.5°	1173.7	952.5	731.2	687.6	643.9	612.6	601.0	598.3	595.7	598.5	601.3
50°	1168.6	946.0	723.5	683.4	643.5	597.6	575.6	574.0	572.4	580.5	588.4
52.5°	1153.3	929.7	706.0	675.1	644.2	598.5	568.7	564.6	560.4	572.2	583.9
55°	1118.0	896.1	674.3	662.9	651.4	624.4	572.2	558.7	545.4	559.8	574.1
57.5°	1036.6	845.9	655.2	648.0	640.9	641.3	582.3	556.7	531.2	545.4	559.5
60°	862.2	751.9	641.6	620.1	598.5	619.2	584.4	554.7	524.9	533.1	541.3
62.5°	697.3	645.0	592.7	575.5	558.2	582.5	570.1	544.9	519.7	518.7	517.8
65°	554.1	543.8	533.4	529.6	525.9	532.2	539.2	522.8	506.3	499.0	491.7
67.5°	419.9	429.2	438.5	456.8	475.1	477.6	494.1	485.0	476.0	470.4	464.7
70°	335.5	348.2	360.9	387.9	415.0	428.2	443.0	444.2	445.3	441.2	436.8
72.5°	273.4	284.4	295.5	326.1	356.7	385.4	401.3	401.3	401.4	399.4	397.3
75°	225.1	233.3	241.4	269.7	298.1	334.6	351.1	352.7	354.3	353.0	351.8
77.5°	184.3	188.2	192.2	218.0	243.7	286.6	303.8	307.6	311.5	310.0	308.5
80°	142.1	144.8	147.6	169.0	190.6	228.7	248.7	254.4	259.9	259.5	259.0
82.5°	104.9	106.4	108.0	124.3	140.7	168.0	189.5	198.3	207.0	213.4	219.7
85°	67.3	68.1	68.9	79.1	89.4	106.3	128.2	144.4	160.5	172.2	184.0
87.5°	28.4	27.5	26.5	31.8	36.9	46.1	72.7	89.1	105.6	111.6	117.6
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: P1209155

CATALOG NUMBER: UPW-SA2-090-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	934.0	930.3	927.4	924.6	919.1	913.6	910.5	907.4	906.4	905.3	907.6
5°	897.3	891.2	884.6	878.0	872.9	867.9	863.9	860.0	858.3	856.6	857.1
7.5°	876.2	867.5	861.2	855.0	853.7	852.6	850.0	847.4	847.2	847.0	847.7
10°	881.0	873.1	868.7	864.4	863.0	861.6	861.5	861.3	863.9	866.5	868.7
12.5°	912.1	904.2	904.5	904.8	898.0	891.2	889.4	887.6	891.0	894.2	895.4
15°	956.6	954.4	946.6	938.7	930.6	922.4	919.8	917.1	916.8	916.6	915.5
17.5°	989.3	994.0	984.7	975.4	962.3	949.4	943.1	937.1	934.4	931.7	930.4
20°	999.5	1007.4	998.5	989.5	975.0	960.4	950.7	941.1	939.7	938.3	938.2
22.5°	986.2	993.0	988.0	983.0	967.2	951.4	941.0	930.5	926.1	921.8	923.7
25°	956.2	966.0	964.8	963.7	947.3	930.9	919.4	908.0	905.8	903.6	903.1
27.5°	917.6	928.7	930.2	931.7	919.4	907.2	896.5	885.7	883.9	882.0	884.4
30°	871.6	882.9	886.9	890.7	882.9	875.2	867.9	860.6	861.0	861.3	864.9
32.5°	832.3	843.0	848.9	855.0	853.7	852.4	849.6	846.8	843.0	839.3	840.5
35°	784.0	793.8	805.4	816.9	818.4	819.9	821.0	822.0	822.0	822.0	825.1
37.5°	740.2	748.6	760.6	772.6	781.2	789.8	793.7	797.6	800.7	803.7	805.0
40°	700.1	707.7	719.0	730.3	746.2	762.1	770.8	779.7	780.1	780.3	778.5
42.5°	661.0	667.4	684.5	701.6	719.4	737.1	744.9	752.7	756.1	759.5	760.3
45°	633.3	641.3	656.1	671.0	691.3	711.6	721.3	731.0	732.7	734.5	734.0
47.5°	609.6	617.8	636.0	654.0	673.9	693.8	704.0	714.3	715.8	717.3	718.5
50°	597.8	607.2	622.9	638.5	659.7	680.9	695.0	709.1	708.6	708.2	704.4
52.5°	591.1	598.3	613.0	627.7	650.8	674.0	687.7	701.3	702.5	703.7	701.6
55°	582.7	591.5	607.7	623.9	644.5	665.2	678.3	691.5	692.8	694.3	690.2
57.5°	574.5	589.6	606.1	622.5	643.6	664.6	675.9	687.2	684.6	682.1	678.9
60°	562.9	584.4	599.9	615.5	635.0	654.5	662.3	670.0	667.0	663.9	657.0
62.5°	540.9	563.9	581.7	599.5	617.3	635.0	640.5	646.1	643.1	640.1	632.3
65°	512.0	532.5	551.4	570.3	585.0	599.7	606.4	613.1	608.3	603.4	595.6
67.5°	484.6	504.4	519.0	533.6	548.2	562.8	568.3	573.9	568.5	563.2	552.9
70°	451.5	466.0	484.7	503.5	511.6	519.7	522.8	525.9	520.8	515.7	509.1
72.5°	411.7	426.1	438.4	450.8	458.4	466.0	469.6	473.2	467.5	461.9	453.0
75°	364.1	376.4	387.7	399.0	407.3	415.5	417.7	419.7	412.7	405.6	396.4
77.5°	316.0	323.5	328.3	333.1	342.6	352.0	353.8	355.5	350.2	344.9	336.3
80°	262.6	266.1	267.4	268.7	275.6	282.5	284.4	286.3	283.7	281.2	274.0
82.5°	222.1	224.4	214.1	203.7	209.3	214.8	219.1	223.2	222.1	221.0	215.0
85°	177.0	170.1	143.4	116.7	127.2	137.9	144.9	152.0	153.2	154.3	150.2
87.5°	108.3	99.0	79.4	59.8	68.3	77.0	83.9	91.1	86.5	81.9	72.5
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: P1209155

CATALOG NUMBER: UPW-SA2-090-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	909.8	912.8	909.8	907.6	905.3	906.4	907.4	910.5	913.6	919.1	924.6
5°	857.5	857.3	857.5	857.1	856.6	858.3	860.0	863.9	867.9	872.9	878.0
7.5°	848.4	845.1	848.4	847.7	847.0	847.2	847.4	850.0	852.6	853.7	855.0
10°	871.0	869.6	871.0	868.7	866.5	863.9	861.3	861.5	861.6	863.0	864.4
12.5°	896.7	894.0	896.7	895.4	894.2	891.0	887.6	889.4	891.2	898.0	904.8
15°	914.3	912.8	914.3	915.5	916.6	916.8	917.1	919.8	922.4	930.6	938.7
17.5°	929.0	930.7	929.0	930.4	931.7	934.4	937.1	943.1	949.4	962.3	975.4
20°	938.1	937.3	938.1	938.2	938.3	939.7	941.1	950.7	960.4	975.0	989.5
22.5°	925.6	931.7	925.6	923.7	921.8	926.1	930.5	941.0	951.4	967.2	983.0
25°	902.5	899.7	902.5	903.1	903.6	905.8	908.0	919.4	930.9	947.3	963.7
27.5°	886.7	888.4	886.7	884.4	882.0	883.9	885.7	896.5	907.2	919.4	931.7
30°	868.6	875.2	868.6	864.9	861.3	861.0	860.6	867.9	875.2	882.9	890.7
32.5°	841.8	847.0	841.8	840.5	839.3	843.0	846.8	849.6	852.4	853.7	855.0
35°	828.1	834.7	828.1	825.1	822.0	822.0	822.0	821.0	819.9	818.4	816.9
37.5°	806.3	806.5	806.3	805.0	803.7	800.7	797.6	793.7	789.8	781.2	772.6
40°	776.6	777.3	776.6	778.5	780.3	780.1	779.7	770.8	762.1	746.2	730.3
42.5°	761.1	763.2	761.1	760.3	759.5	756.1	752.7	744.9	737.1	719.4	701.6
45°	733.6	731.2	733.6	734.0	734.5	732.7	731.0	721.3	711.6	691.3	671.0
47.5°	719.7	721.8	719.7	718.5	717.3	715.8	714.3	704.0	693.8	673.9	654.0
50°	700.6	699.2	700.6	704.4	708.2	708.6	709.1	695.0	680.9	659.7	638.5
52.5°	699.4	700.2	699.4	701.6	703.7	702.5	701.3	687.7	674.0	650.8	627.7
55°	686.0	683.2	686.0	690.2	694.3	692.8	691.5	678.3	665.2	644.5	623.9
57.5°	675.7	676.6	675.7	678.9	682.1	684.6	687.2	675.9	664.6	643.6	622.5
60°	650.1	644.6	650.1	657.0	663.9	667.0	670.0	662.3	654.5	635.0	615.5
62.5°	624.4	614.5	624.4	632.3	640.1	643.1	646.1	640.5	635.0	617.3	599.5
65°	587.7	582.5	587.7	595.6	603.4	608.3	613.1	606.4	599.7	585.0	570.3
67.5°	542.5	534.5	542.5	552.9	563.2	568.5	573.9	568.3	562.8	548.2	533.6
70°	502.5	496.9	502.5	509.1	515.7	520.8	525.9	522.8	519.7	511.6	503.5
72.5°	444.2	438.5	444.2	453.0	461.9	467.5	473.2	469.6	466.0	458.4	450.8
75°	387.3	379.3	387.3	396.4	405.6	412.7	419.7	417.7	415.5	407.3	399.0
77.5°	327.7	320.0	327.7	336.3	344.9	350.2	355.5	353.8	352.0	342.6	333.1
80°	267.1	256.9	267.1	274.0	281.2	283.7	286.3	284.4	282.5	275.6	268.7
82.5°	209.1	200.4	209.1	215.0	221.0	222.1	223.2	219.1	214.8	209.3	203.7
85°	146.1	139.3	146.1	150.2	154.3	153.2	152.0	144.9	137.9	127.2	116.7
87.5°	63.1	52.7	63.1	72.5	81.9	86.5	91.1	83.9	77.0	68.3	59.8
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: P1209155

CATALOG NUMBER: UPW-SA2-090-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	927.4	930.3	934.0	937.8	941.8	945.8	949.9	954.1	962.3	967.4	971.9
5°	884.6	891.2	897.3	903.4	913.2	923.0	934.3	945.6	955.7	966.5	978.6
7.5°	861.2	867.5	876.2	885.1	895.9	906.7	920.1	933.4	950.0	967.0	984.8
10°	868.7	873.1	881.0	889.1	899.7	910.2	924.2	938.3	964.6	980.1	1000.0
12.5°	904.5	904.2	912.1	920.2	927.8	935.4	941.9	948.4	959.4	981.1	1009.9
15°	946.6	954.4	956.6	958.8	956.2	953.8	951.5	949.4	955.7	978.3	1011.3
17.5°	984.7	994.0	989.3	984.6	973.3	962.0	954.6	947.1	936.8	959.0	997.7
20°	998.5	1007.4	999.5	991.7	970.3	949.1	931.7	914.2	909.6	931.2	978.2
22.5°	988.0	993.0	986.2	979.2	957.0	934.7	913.3	891.9	873.3	894.8	947.8
25°	964.8	966.0	956.2	946.5	925.1	903.6	882.6	861.6	842.7	860.6	914.7
27.5°	930.2	928.7	917.6	906.7	887.9	869.1	851.3	833.6	815.4	834.7	894.8
30°	886.9	882.9	871.6	860.3	844.0	827.4	815.3	803.0	797.1	818.0	881.0
32.5°	848.9	843.0	832.3	821.6	809.8	798.0	793.0	787.9	782.0	800.9	860.1
35°	805.4	793.8	784.0	774.3	769.0	763.7	764.0	764.2	766.0	780.3	834.6
37.5°	760.6	748.6	740.2	731.7	728.3	724.8	728.2	731.5	735.5	745.8	797.6
40°	719.0	707.7	700.1	692.4	692.1	691.7	696.4	701.1	703.9	707.5	757.5
42.5°	684.5	667.4	661.0	654.5	655.8	657.1	659.3	661.6	669.1	675.9	723.8
45°	656.1	641.3	633.3	625.1	623.4	621.6	626.6	631.7	631.9	651.7	700.0
47.5°	636.0	617.8	609.6	601.3	598.5	595.7	598.3	601.0	612.6	643.9	687.6
50°	622.9	607.2	597.8	588.4	580.5	572.4	574.0	575.6	597.6	643.5	683.4
52.5°	613.0	598.3	591.1	583.9	572.2	560.4	564.6	568.7	598.5	644.2	675.1
55°	607.7	591.5	582.7	574.1	559.8	545.4	558.7	572.2	624.4	651.4	662.9
57.5°	606.1	589.6	574.5	559.5	545.4	531.2	556.7	582.3	641.3	640.9	648.0
60°	599.9	584.4	562.9	541.3	533.1	524.9	554.7	584.4	619.2	598.5	620.1
62.5°	581.7	563.9	540.9	517.8	518.7	519.7	544.9	570.1	582.5	558.2	575.5
65°	551.4	532.5	512.0	491.7	499.0	506.3	522.8	539.2	532.2	525.9	529.6
67.5°	519.0	504.4	484.6	464.7	470.4	476.0	485.0	494.1	477.6	475.1	456.8
70°	484.7	466.0	451.5	436.8	441.2	445.3	444.2	443.0	428.2	415.0	387.9
72.5°	438.4	426.1	411.7	397.3	399.4	401.4	401.3	401.3	385.4	356.7	326.1
75°	387.7	376.4	364.1	351.8	353.0	354.3	352.7	351.1	334.6	298.1	269.7
77.5°	328.3	323.5	316.0	308.5	310.0	311.5	307.6	303.8	286.6	243.7	218.0
80°	267.4	266.1	262.6	259.0	259.5	259.9	254.4	248.7	228.7	190.6	169.0
82.5°	214.1	224.4	222.1	219.7	213.4	207.0	198.3	189.5	168.0	140.7	124.3
85°	143.4	170.1	177.0	184.0	172.2	160.5	144.4	128.2	106.3	89.4	79.1
87.5°	79.4	99.0	108.3	117.6	111.6	105.6	89.1	72.7	46.1	36.9	31.8
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: P1209155

CATALOG NUMBER: UPW-SA2-090-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	976.4	982.6	988.9	992.4	995.8	996.8	999.4
5°	990.8	1005.2	1019.7	1035.1	1050.4	1061.3	1069.1
7.5°	1002.7	1026.0	1049.3	1073.9	1098.4	1128.3	1163.6
10°	1019.9	1052.3	1084.9	1126.6	1168.3	1203.1	1232.3
12.5°	1038.8	1079.6	1120.6	1171.1	1221.5	1270.5	1315.6
15°	1044.4	1096.4	1148.3	1214.8	1281.3	1343.1	1398.0
17.5°	1036.6	1104.3	1171.8	1250.6	1329.3	1408.5	1488.8
20°	1025.0	1110.3	1195.4	1291.0	1386.4	1472.2	1553.2
22.5°	1000.8	1101.8	1202.7	1313.3	1423.9	1516.2	1600.8
25°	968.8	1083.7	1198.7	1327.4	1456.0	1564.0	1665.2
27.5°	954.7	1088.3	1221.7	1366.5	1511.4	1615.5	1706.6
30°	944.1	1090.8	1237.5	1399.9	1562.2	1673.0	1766.9
32.5°	919.2	1078.3	1237.3	1421.5	1605.7	1726.4	1827.6
35°	888.8	1060.5	1232.1	1441.4	1650.7	1778.1	1877.5
37.5°	849.3	1034.1	1218.7	1456.8	1694.9	1846.2	1965.0
40°	807.4	1008.5	1209.5	1491.8	1774.1	1956.2	2086.8
42.5°	771.7	987.2	1202.7	1525.1	1847.5	2076.7	2256.7
45°	748.2	970.2	1192.2	1570.8	1949.4	2271.4	2548.0
47.5°	731.2	952.5	1173.7	1643.6	2113.5	2597.5	3035.4
50°	723.5	946.0	1168.6	1772.2	2376.0	3064.2	3680.1
52.5°	706.0	929.7	1153.3	1870.9	2588.4	3471.2	4273.0
55°	674.3	896.1	1118.0	1896.6	2675.3	3744.6	4787.3
57.5°	655.2	845.9	1036.6	1775.9	2515.3	3784.4	5158.1
60°	641.6	751.9	862.2	1513.1	2163.7	3549.0	5094.5
62.5°	592.7	645.0	697.3	1257.4	1817.4	3159.6	4680.5
65°	533.4	543.8	554.1	1023.0	1491.8	2727.2	4165.7
67.5°	438.5	429.2	419.9	804.8	1189.7	2272.4	3573.7
70°	360.9	348.2	335.5	625.3	914.9	1862.1	3064.6
72.5°	295.5	284.4	273.4	471.7	670.0	1436.8	2457.2
75°	241.4	233.3	225.1	348.8	472.4	1034.1	1807.8
77.5°	192.2	188.2	184.3	256.9	329.6	712.2	1253.5
80°	147.6	144.8	142.1	177.4	212.7	409.9	691.2
82.5°	108.0	106.4	104.9	119.4	133.8	218.6	342.1
85°	68.9	68.1	67.3	71.1	75.1	98.8	134.6
87.5°	26.5	27.5	28.4	29.9	31.2	37.6	48.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)