

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: P1208534

Luminaire Tested: UPW-SA1-070-730-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7248 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

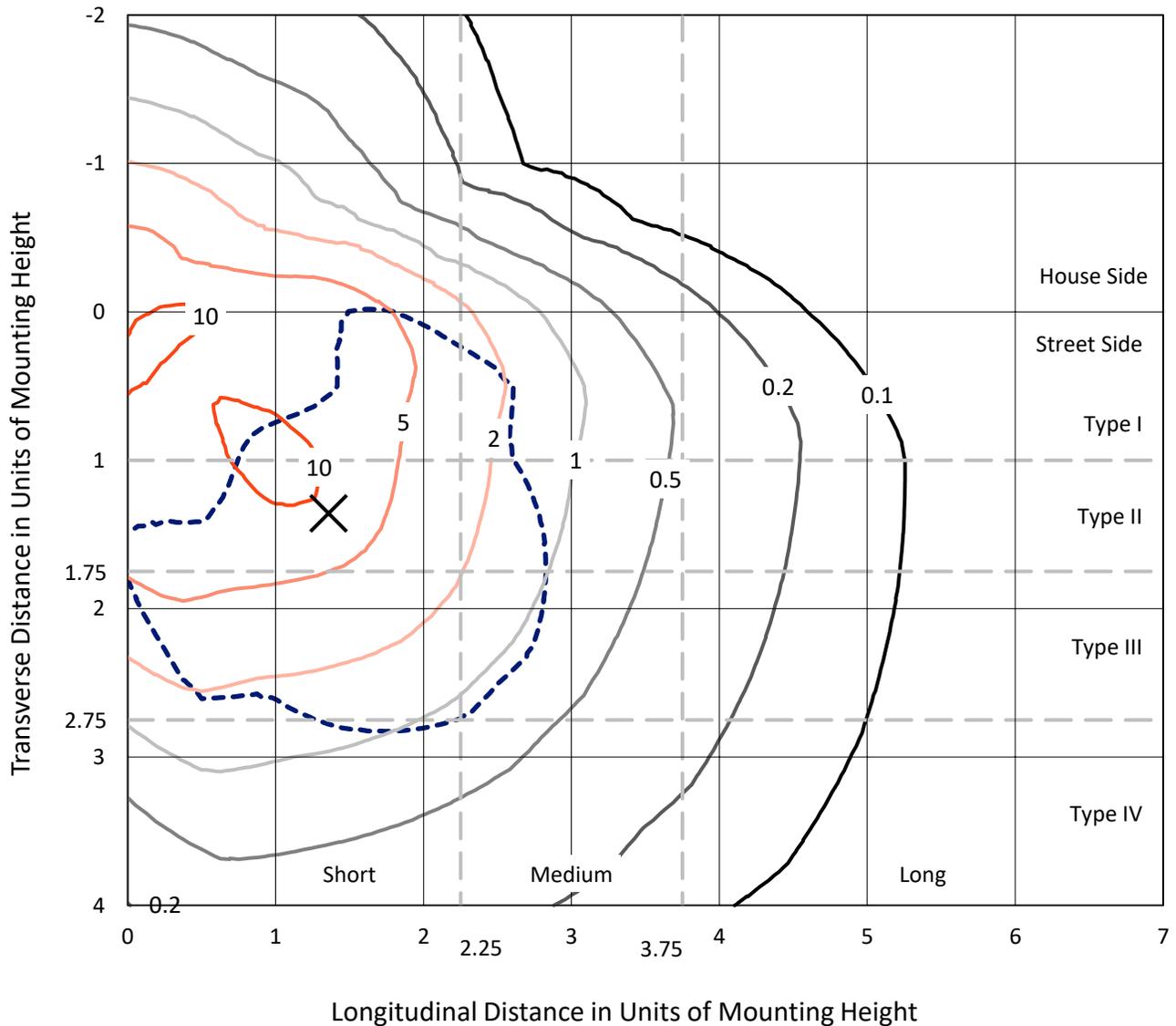


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

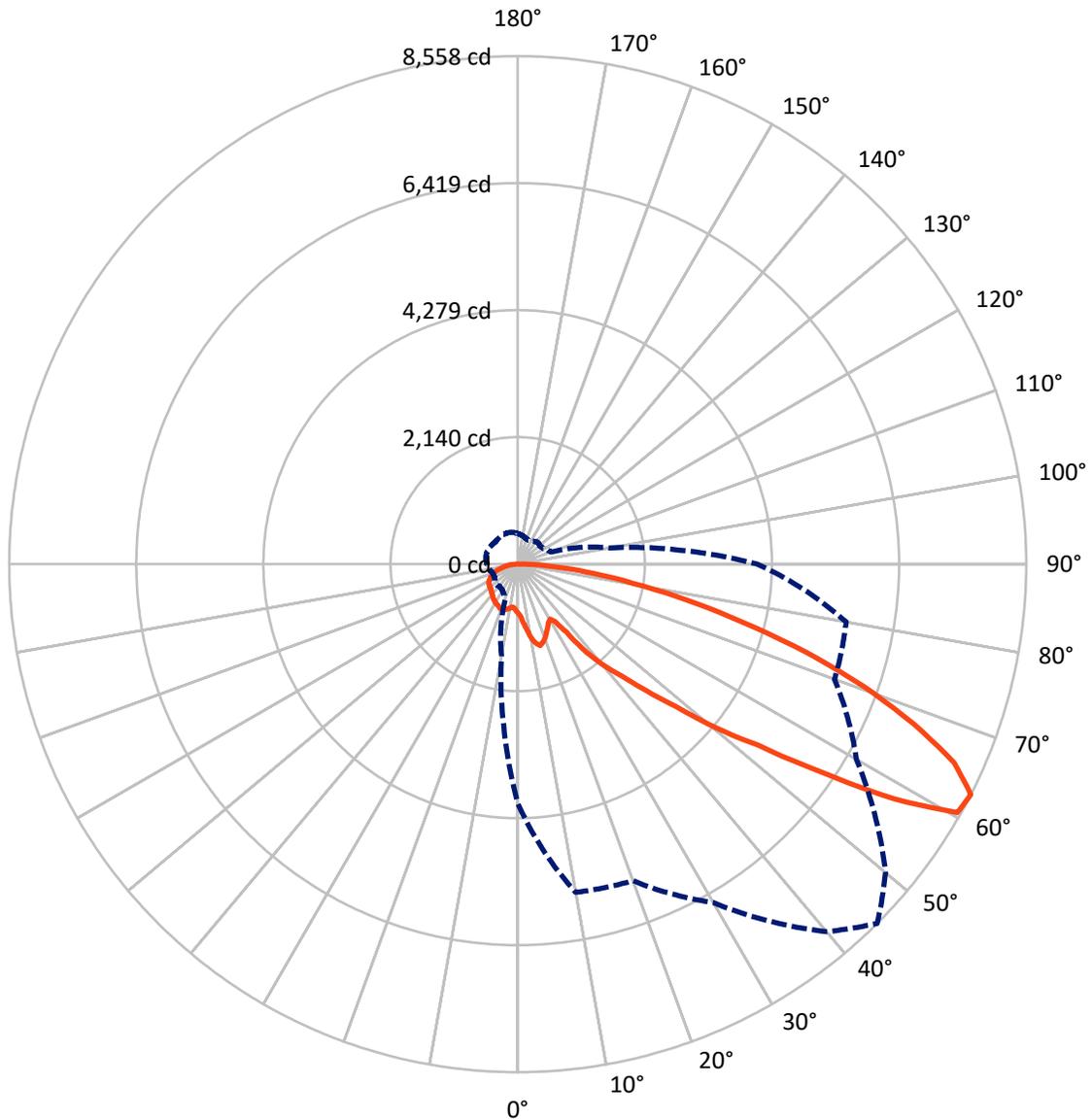


Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type III - Short - N/A

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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	1776.3	0.0	1776.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5471.8	0.0	5471.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	7248.0	0.0	7248.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.1
10°-20°	278.1	3.8
20°-30°	452.3	6.2
30°-40°	616.8	8.5
40°-50°	934.0	12.9
50°-60°	1606.1	22.2
60°-70°	1883.6	26.0
70°-80°	1123.4	15.5
80°-90°	271.4	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°	7248.0	100.0
0°-180°	7248.0	100.0



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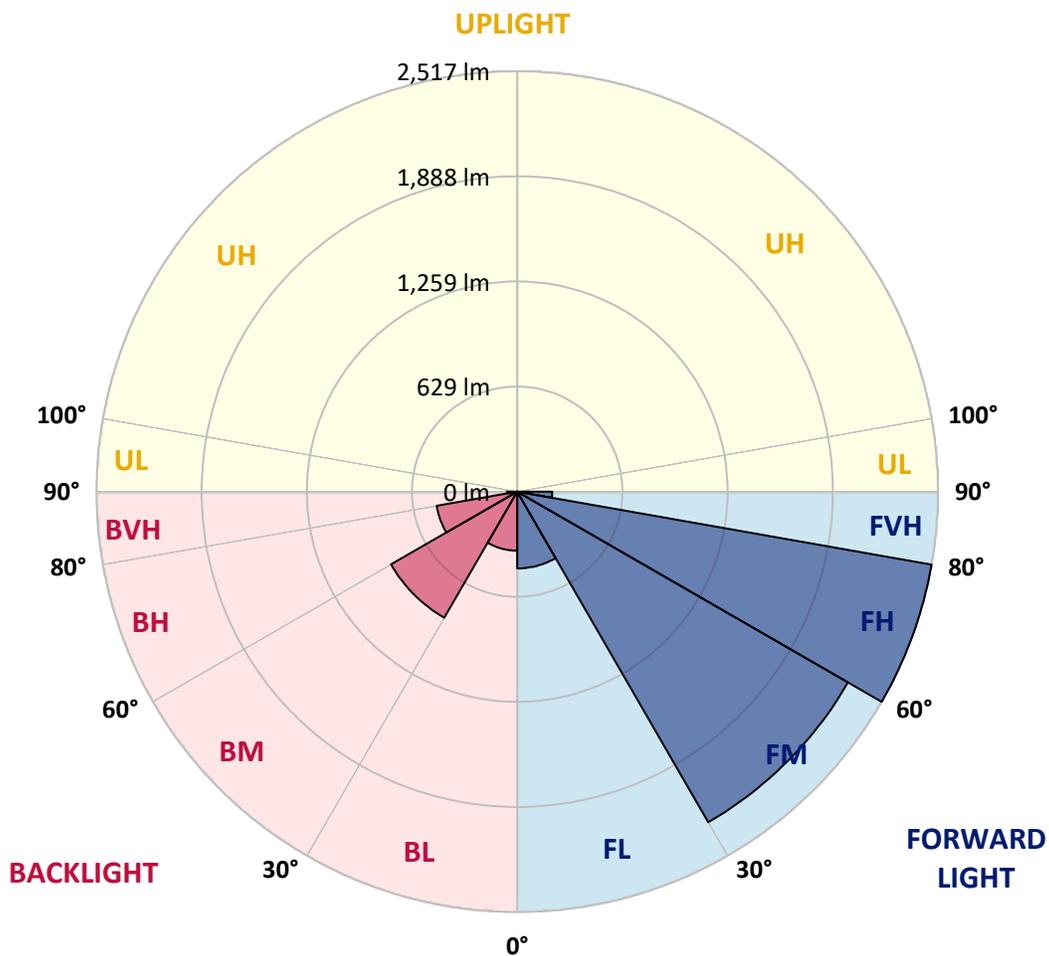
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	459.4	6.3			
FM	(30°-60°)	2285.2	31.5			
FH	(60°-80°)	2517.5	34.7			G2/5000
FVH	(80°-90°)	209.7	2.9			G2/225
BL	(0°-30°)	353.3	4.9	B1/500		
BM	(30°-60°)	871.8	12.0	B1/1000		
BH	(60°-80°)	489.5	6.8	B1/500		G1/500
BVH	(80°-90°)	61.7	0.9			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	860.2	863.9	867.5	869.0	870.6	872.0	873.6	874.7	875.9	873.2	875.9
5°	920.2	931.5	942.8	952.6	962.4	969.9	977.3	980.9	984.6	990.6	984.6
7.5°	1001.6	1017.0	1032.6	1053.9	1075.3	1089.8	1104.2	1110.5	1116.8	1118.6	1116.8
10°	1060.7	1100.4	1140.1	1163.6	1187.3	1204.5	1221.9	1236.7	1251.6	1268.4	1251.6
12.5°	1132.4	1177.6	1222.7	1256.7	1290.7	1312.6	1334.5	1349.1	1363.9	1368.9	1363.9
15°	1203.2	1252.6	1301.8	1333.7	1365.6	1382.7	1399.7	1407.0	1414.2	1423.2	1414.2
17.5°	1281.4	1318.3	1355.3	1376.3	1397.4	1398.1	1398.9	1389.7	1380.5	1378.6	1380.5
20°	1336.9	1367.4	1398.0	1398.4	1398.9	1380.6	1362.4	1346.5	1330.7	1323.5	1330.7
22.5°	1377.8	1398.8	1419.8	1398.1	1376.6	1336.1	1295.6	1272.6	1249.6	1243.3	1249.6
25°	1433.3	1436.5	1439.8	1395.8	1351.9	1295.3	1238.9	1209.4	1179.8	1172.9	1179.8
27.5°	1468.9	1458.7	1448.4	1381.8	1315.0	1248.7	1182.4	1148.8	1115.2	1105.6	1115.2
30°	1520.8	1483.7	1446.6	1360.7	1274.8	1208.0	1141.3	1113.2	1085.1	1076.5	1085.1
32.5°	1573.0	1511.3	1449.5	1357.4	1265.2	1218.7	1172.2	1164.6	1156.9	1151.0	1156.9
35°	1615.9	1546.6	1477.3	1407.8	1338.5	1345.6	1352.7	1377.6	1402.7	1402.1	1402.7
37.5°	1691.3	1620.3	1549.4	1537.8	1526.4	1615.9	1705.4	1777.3	1849.0	1886.5	1849.0
40°	1796.2	1746.3	1696.5	1738.1	1779.6	1904.0	2028.4	2113.4	2198.5	2260.7	2198.5
42.5°	1942.4	1914.0	1885.7	1937.6	1989.5	2126.1	2262.5	2378.5	2494.3	2581.4	2494.3
45°	2193.1	2163.8	2134.5	2159.3	2183.9	2354.8	2525.7	2707.3	2888.9	3042.3	2888.9
47.5°	2612.6	2544.6	2476.5	2455.8	2435.0	2665.3	2895.6	3160.9	3426.4	3584.2	3426.4
50°	3167.5	3061.1	2954.8	2857.8	2760.9	3085.7	3410.7	3797.2	4183.8	4346.4	4183.8
52.5°	3677.8	3580.2	3482.6	3312.1	3141.6	3526.1	3910.6	4412.6	4914.5	5070.5	4914.5
55°	4120.4	4161.2	4202.1	3971.4	3740.7	4167.3	4593.9	5236.9	5879.9	6155.1	5879.9
57.5°	4439.6	4802.6	5165.7	4919.2	4672.7	5070.9	5469.1	6233.4	6997.8	7458.4	6997.8
60°	4384.9	5112.6	5840.2	5730.8	5621.3	5961.5	6301.7	7131.0	7960.4	8498.4	7960.4
62.5°	4028.5	4820.4	5612.4	5643.3	5674.2	6128.5	6582.8	7332.5	8082.3	8558.4	8082.3
65°	3585.4	4330.9	5076.2	5122.0	5167.7	5693.0	6218.3	6953.7	7689.1	8073.2	7689.1
67.5°	3075.9	3851.1	4626.3	4653.9	4681.6	5161.7	5641.8	6303.7	6965.6	7186.2	6965.6
70°	2637.7	3376.1	4114.6	4175.1	4235.6	4654.9	5073.9	5564.1	6054.2	6180.2	6054.2
72.5°	2114.9	2857.6	3600.2	3692.7	3785.3	4092.4	4399.5	4742.2	5084.8	5073.0	5084.8
75°	1556.0	2251.9	2948.0	3075.9	3203.9	3392.2	3580.6	3761.5	3942.6	3891.2	3942.6
77.5°	1078.9	1641.8	2204.6	2340.1	2475.7	2608.6	2741.4	2869.0	2996.6	2916.0	2996.6
80°	594.9	996.0	1397.1	1549.6	1702.2	1841.0	1979.8	2045.6	2111.4	1975.6	2111.4
82.5°	294.4	518.4	742.4	894.1	1045.9	1186.6	1327.2	1368.4	1409.5	1279.8	1409.5
85°	115.8	228.3	340.6	453.9	567.2	678.0	788.8	793.0	797.3	703.9	797.3
87.5°	41.7	87.6	133.6	192.0	250.3	309.8	369.4	367.3	365.1	301.3	365.1
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°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	874.7	873.6	872.0	870.6	869.0	867.5	863.9	860.2	857.9	857.1	854.1
5°	980.9	977.3	969.9	962.4	952.6	942.8	931.5	920.2	913.4	904.1	890.9
7.5°	1110.5	1104.2	1089.8	1075.3	1053.9	1032.6	1017.0	1001.6	971.1	945.4	924.3
10°	1236.7	1221.9	1204.5	1187.3	1163.6	1140.1	1100.4	1060.7	1035.5	1005.6	969.6
12.5°	1349.1	1334.5	1312.6	1290.7	1256.7	1222.7	1177.6	1132.4	1093.6	1051.4	1008.0
15°	1407.0	1399.7	1382.7	1365.6	1333.7	1301.8	1252.6	1203.2	1156.0	1102.8	1045.6
17.5°	1389.7	1398.9	1398.1	1397.4	1376.3	1355.3	1318.3	1281.4	1212.3	1144.1	1076.4
20°	1346.5	1362.4	1380.6	1398.9	1398.4	1398.0	1367.4	1336.9	1267.2	1193.3	1111.1
22.5°	1272.6	1295.6	1336.1	1376.6	1398.1	1419.8	1398.8	1377.8	1305.0	1225.5	1130.3
25°	1209.4	1238.9	1295.3	1351.9	1395.8	1439.8	1436.5	1433.3	1346.1	1253.2	1142.5
27.5°	1148.8	1182.4	1248.7	1315.0	1381.8	1448.4	1458.7	1468.9	1390.4	1300.8	1176.2
30°	1113.2	1141.3	1208.0	1274.8	1360.7	1446.6	1483.7	1520.8	1440.0	1344.6	1204.9
32.5°	1164.6	1172.2	1218.7	1265.2	1357.4	1449.5	1511.3	1573.0	1485.9	1382.0	1223.5
35°	1377.6	1352.7	1345.6	1338.5	1407.8	1477.3	1546.6	1615.9	1530.4	1420.7	1240.6
37.5°	1777.3	1705.4	1615.9	1526.4	1537.8	1549.4	1620.3	1691.3	1589.0	1458.8	1253.9
40°	2113.4	2028.4	1904.0	1779.6	1738.1	1696.5	1746.3	1796.2	1683.7	1527.0	1284.0
42.5°	2378.5	2262.5	2126.1	1989.5	1937.6	1885.7	1914.0	1942.4	1787.4	1590.2	1312.7
45°	2707.3	2525.7	2354.8	2183.9	2159.3	2134.5	2163.8	2193.1	1955.0	1677.9	1352.0
47.5°	3160.9	2895.6	2665.3	2435.0	2455.8	2476.5	2544.6	2612.6	2235.7	1819.1	1414.6
50°	3797.2	3410.7	3085.7	2760.9	2857.8	2954.8	3061.1	3167.5	2637.3	2045.1	1525.4
52.5°	4412.6	3910.6	3526.1	3141.6	3312.1	3482.6	3580.2	3677.8	2987.7	2227.9	1610.3
55°	5236.9	4593.9	4167.3	3740.7	3971.4	4202.1	4161.2	4120.4	3223.0	2302.6	1632.5
57.5°	6233.4	5469.1	5070.9	4672.7	4919.2	5165.7	4802.6	4439.6	3257.2	2164.9	1528.5
60°	7131.0	6301.7	5961.5	5621.3	5730.8	5840.2	5112.6	4384.9	3054.6	1862.3	1302.3
62.5°	7332.5	6582.8	6128.5	5674.2	5643.3	5612.4	4820.4	4028.5	2719.5	1564.3	1082.2
65°	6953.7	6218.3	5693.0	5167.7	5122.0	5076.2	4330.9	3585.4	2347.4	1284.0	880.5
67.5°	6303.7	5641.8	5161.7	4681.6	4653.9	4626.3	3851.1	3075.9	1955.9	1024.0	692.7
70°	5564.1	5073.9	4654.9	4235.6	4175.1	4114.6	3376.1	2637.7	1602.7	787.5	538.2
72.5°	4742.2	4399.5	4092.4	3785.3	3692.7	3600.2	2857.6	2114.9	1236.7	576.7	406.0
75°	3761.5	3580.6	3392.2	3203.9	3075.9	2948.0	2251.9	1556.0	890.0	406.6	300.2
77.5°	2869.0	2741.4	2608.6	2475.7	2340.1	2204.6	1641.8	1078.9	613.0	283.7	221.1
80°	2045.6	1979.8	1841.0	1702.2	1549.6	1397.1	996.0	594.9	352.8	183.1	152.7
82.5°	1368.4	1327.2	1186.6	1045.9	894.1	742.4	518.4	294.4	188.2	115.2	102.8
85°	793.0	788.8	678.0	567.2	453.9	340.6	228.3	115.8	85.0	64.6	61.2
87.5°	367.3	369.4	309.8	250.3	192.0	133.6	87.6	41.7	32.4	26.9	25.8
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°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	851.1	845.7	840.4	836.6	832.7	828.2	821.2	817.6	814.0	810.6	807.2
5°	877.6	865.2	852.8	842.3	831.9	822.5	813.9	804.2	794.4	786.0	777.6
7.5°	903.1	883.1	863.0	847.7	832.3	817.7	803.3	791.9	780.4	771.1	761.8
10°	933.8	905.7	877.9	860.7	843.6	830.2	807.6	795.5	783.4	774.4	765.3
12.5°	964.5	929.2	894.1	869.2	844.4	825.8	816.3	810.7	805.1	798.6	792.0
15°	988.4	943.6	898.9	870.4	842.0	822.5	817.1	819.0	820.9	823.0	825.2
17.5°	1008.6	950.4	892.2	858.8	825.4	806.3	815.2	821.7	828.0	837.7	847.4
20°	1028.9	955.6	882.2	841.9	801.5	782.9	786.8	801.9	816.9	835.2	853.6
22.5°	1035.2	948.3	861.4	815.7	770.1	751.7	767.6	786.1	804.5	823.7	842.8
25°	1031.8	932.8	833.9	787.3	740.7	725.3	741.5	759.7	777.8	796.2	814.7
27.5°	1051.5	936.7	821.7	770.1	718.5	701.9	717.5	732.7	748.0	764.2	780.4
30°	1065.1	938.9	812.6	758.3	704.0	686.1	691.2	701.7	712.1	726.4	740.5
32.5°	1065.0	928.1	791.2	740.3	689.3	673.1	678.1	682.5	686.9	697.0	707.1
35°	1060.4	912.8	765.0	718.4	671.6	659.3	657.8	657.6	657.3	661.8	666.5
37.5°	1048.9	890.0	731.0	686.5	641.9	633.0	629.6	626.8	623.9	626.9	629.8
40°	1041.0	868.0	695.0	652.0	609.0	605.9	603.4	599.4	595.3	595.7	596.0
42.5°	1035.2	849.7	664.2	623.0	581.7	575.9	569.4	567.5	565.5	564.5	563.3
45°	1026.1	835.0	643.9	602.5	560.9	543.9	543.7	539.3	535.0	536.5	538.0
47.5°	1010.2	819.8	629.4	591.8	554.2	527.3	517.3	515.0	512.7	515.2	517.6
50°	1005.8	814.2	622.7	588.2	553.9	514.3	495.4	494.0	492.6	499.6	506.4
52.5°	992.6	800.2	607.7	581.1	554.4	515.2	489.5	485.9	482.3	492.5	502.6
55°	962.3	771.3	580.4	570.6	560.7	537.4	492.5	480.9	469.4	481.8	494.1
57.5°	892.2	728.1	563.9	557.8	551.6	552.0	501.2	479.2	457.2	469.4	481.5
60°	742.1	647.2	552.3	533.7	515.2	533.0	503.0	477.4	451.8	458.9	465.9
62.5°	600.2	555.2	510.1	495.3	480.5	501.4	490.7	469.0	447.3	446.5	445.7
65°	476.9	468.0	459.1	455.9	452.6	458.1	464.1	450.0	435.8	429.5	423.2
67.5°	361.4	369.4	377.5	393.2	408.9	411.1	425.2	417.5	409.7	404.8	400.0
70°	288.8	299.7	310.6	333.9	357.2	368.5	381.3	382.3	383.3	379.7	376.0
72.5°	235.3	244.8	254.3	280.7	307.0	331.7	345.4	345.4	345.5	343.8	342.0
75°	193.7	200.8	207.8	232.1	256.6	288.0	302.2	303.6	305.0	303.8	302.8
77.5°	158.6	162.0	165.4	187.6	209.8	246.6	261.5	264.8	268.1	266.8	265.5
80°	122.3	124.7	127.0	145.5	164.0	196.8	214.1	218.9	223.7	223.4	222.9
82.5°	90.3	91.6	93.0	107.0	121.1	144.6	163.1	170.7	178.2	183.7	189.1
85°	57.9	58.6	59.3	68.1	76.9	91.5	110.3	124.3	138.1	148.2	158.4
87.5°	24.5	23.7	22.8	27.4	31.8	39.7	62.5	76.7	90.9	96.1	101.2
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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CATALOG NUMBER: UPW-SA1-070-730-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	803.9	800.7	798.2	795.8	791.0	786.3	783.7	781.0	780.1	779.2	781.2
5°	772.3	767.1	761.4	755.7	751.3	747.0	743.6	740.2	738.7	737.3	737.7
7.5°	754.2	746.6	741.2	735.9	734.8	733.9	731.6	729.4	729.2	729.0	729.6
10°	758.3	751.5	747.7	744.0	742.8	741.5	741.5	741.3	743.6	745.8	747.7
12.5°	785.0	778.2	778.5	778.8	772.9	767.1	765.5	764.0	766.9	769.7	770.7
15°	823.4	821.5	814.8	808.0	801.0	794.0	791.7	789.3	789.1	788.9	788.0
17.5°	851.5	855.5	847.6	839.6	828.3	817.1	811.8	806.6	804.2	801.9	800.8
20°	860.3	867.1	859.4	851.7	839.2	826.6	818.3	810.0	808.8	807.6	807.5
22.5°	848.8	854.7	850.4	846.0	832.5	818.9	809.9	800.9	797.1	793.4	795.0
25°	823.0	831.5	830.4	829.4	815.3	801.2	791.4	781.5	779.6	777.8	777.3
27.5°	789.8	799.3	800.6	801.9	791.4	780.8	771.6	762.4	760.7	759.1	761.2
30°	750.2	759.9	763.3	766.7	759.9	753.3	747.0	740.7	741.1	741.3	744.5
32.5°	716.4	725.6	730.7	735.9	734.7	733.7	731.3	728.8	725.6	722.4	723.4
35°	674.8	683.2	693.2	703.1	704.4	705.7	706.6	707.5	707.5	707.5	710.2
37.5°	637.1	644.3	654.6	665.0	672.4	679.7	683.1	686.5	689.1	691.7	692.9
40°	602.6	609.1	618.8	628.6	642.2	655.9	663.5	671.1	671.4	671.6	670.0
42.5°	568.9	574.4	589.2	603.8	619.2	634.4	641.1	647.8	650.7	653.7	654.4
45°	545.0	552.0	564.7	577.5	595.0	612.5	620.9	629.2	630.7	632.2	631.8
47.5°	524.7	531.8	547.4	562.9	580.0	597.1	606.0	614.8	616.1	617.4	618.4
50°	514.5	522.6	536.1	549.6	567.8	586.0	598.2	610.3	609.9	609.5	606.3
52.5°	508.8	515.0	527.6	540.3	560.2	580.1	591.9	603.6	604.7	605.7	603.8
55°	501.5	509.1	523.1	537.0	554.8	572.5	583.8	595.2	596.3	597.6	594.0
57.5°	494.5	507.5	521.6	535.8	554.0	572.0	581.7	591.5	589.3	587.1	584.3
60°	484.5	503.0	516.4	529.7	546.6	563.3	570.1	576.7	574.1	571.4	565.5
62.5°	465.6	485.3	500.7	516.0	531.3	546.6	551.3	556.1	553.5	551.0	544.2
65°	440.7	458.3	474.6	490.9	503.5	516.1	522.0	527.7	523.6	519.4	512.6
67.5°	417.1	434.2	446.7	459.3	471.8	484.4	489.2	493.9	489.3	484.8	475.9
70°	388.6	401.1	417.2	433.3	440.3	447.3	450.0	452.6	448.2	443.9	438.2
72.5°	354.4	366.8	377.4	388.0	394.5	401.1	404.2	407.3	402.4	397.5	389.9
75°	313.4	324.0	333.7	343.4	350.6	357.6	359.5	361.3	355.2	349.1	341.2
77.5°	272.0	278.5	282.6	286.7	294.8	302.9	304.5	306.0	301.4	296.9	289.5
80°	226.0	229.1	230.1	231.3	237.2	243.2	244.8	246.4	244.2	242.0	235.9
82.5°	191.2	193.2	184.3	175.4	180.1	184.8	188.6	192.1	191.2	190.2	185.1
85°	152.4	146.4	123.4	100.4	109.5	118.7	124.7	130.8	131.9	132.8	129.3
87.5°	93.2	85.2	68.4	51.4	58.8	66.3	72.3	78.4	74.4	70.5	62.4
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: P1208534

CATALOG NUMBER: UPW-SA1-070-730-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	783.1	785.7	783.1	781.2	779.2	780.1	781.0	783.7	786.3	791.0	795.8
5°	738.1	737.9	738.1	737.7	737.3	738.7	740.2	743.6	747.0	751.3	755.7
7.5°	730.2	727.4	730.2	729.6	729.0	729.2	729.4	731.6	733.9	734.8	735.9
10°	749.6	748.4	749.6	747.7	745.8	743.6	741.3	741.5	741.5	742.8	744.0
12.5°	771.8	769.5	771.8	770.7	769.7	766.9	764.0	765.5	767.1	772.9	778.8
15°	786.9	785.7	786.9	788.0	788.9	789.1	789.3	791.7	794.0	801.0	808.0
17.5°	799.6	801.1	799.6	800.8	801.9	804.2	806.6	811.8	817.1	828.3	839.6
20°	807.4	806.8	807.4	807.5	807.6	808.8	810.0	818.3	826.6	839.2	851.7
22.5°	796.6	801.9	796.6	795.0	793.4	797.1	800.9	809.9	818.9	832.5	846.0
25°	776.8	774.4	776.8	777.3	777.8	779.6	781.5	791.4	801.2	815.3	829.4
27.5°	763.2	764.6	763.2	761.2	759.1	760.7	762.4	771.6	780.8	791.4	801.9
30°	747.6	753.3	747.6	744.5	741.3	741.1	740.7	747.0	753.3	759.9	766.7
32.5°	724.5	729.0	724.5	723.4	722.4	725.6	728.8	731.3	733.7	734.7	735.9
35°	712.8	718.5	712.8	710.2	707.5	707.5	707.5	706.6	705.7	704.4	703.1
37.5°	694.0	694.2	694.0	692.9	691.7	689.1	686.5	683.1	679.7	672.4	665.0
40°	668.4	669.1	668.4	670.0	671.6	671.4	671.1	663.5	655.9	642.2	628.6
42.5°	655.1	656.9	655.1	654.4	653.7	650.7	647.8	641.1	634.4	619.2	603.8
45°	631.4	629.4	631.4	631.8	632.2	630.7	629.2	620.9	612.5	595.0	577.5
47.5°	619.5	621.3	619.5	618.4	617.4	616.1	614.8	606.0	597.1	580.0	562.9
50°	603.0	601.8	603.0	606.3	609.5	609.9	610.3	598.2	586.0	567.8	549.6
52.5°	602.0	602.6	602.0	603.8	605.7	604.7	603.6	591.9	580.1	560.2	540.3
55°	590.5	588.1	590.5	594.0	597.6	596.3	595.2	583.8	572.5	554.8	537.0
57.5°	581.6	582.4	581.6	584.3	587.1	589.3	591.5	581.7	572.0	554.0	535.8
60°	559.5	554.8	559.5	565.5	571.4	574.1	576.7	570.1	563.3	546.6	529.7
62.5°	537.4	528.9	537.4	544.2	551.0	553.5	556.1	551.3	546.6	531.3	516.0
65°	505.8	501.4	505.8	512.6	519.4	523.6	527.7	522.0	516.1	503.5	490.9
67.5°	467.0	460.1	467.0	475.9	484.8	489.3	493.9	489.2	484.4	471.8	459.3
70°	432.5	427.7	432.5	438.2	443.9	448.2	452.6	450.0	447.3	440.3	433.3
72.5°	382.3	377.5	382.3	389.9	397.5	402.4	407.3	404.2	401.1	394.5	388.0
75°	333.3	326.4	333.3	341.2	349.1	355.2	361.3	359.5	357.6	350.6	343.4
77.5°	282.0	275.4	282.0	289.5	296.9	301.4	306.0	304.5	302.9	294.8	286.7
80°	229.9	221.1	229.9	235.9	242.0	244.2	246.4	244.8	243.2	237.2	231.3
82.5°	180.0	172.5	180.0	185.1	190.2	191.2	192.1	188.6	184.8	180.1	175.4
85°	125.7	119.9	125.7	129.3	132.8	131.9	130.8	124.7	118.7	109.5	100.4
87.5°	54.3	45.4	54.3	62.4	70.5	74.4	78.4	72.3	66.3	58.8	51.4
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: P1208534

CATALOG NUMBER: UPW-SA1-070-730-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	798.2	800.7	803.9	807.2	810.6	814.0	817.6	821.2	828.2	832.7	836.6
5°	761.4	767.1	772.3	777.6	786.0	794.4	804.2	813.9	822.5	831.9	842.3
7.5°	741.2	746.6	754.2	761.8	771.1	780.4	791.9	803.3	817.7	832.3	847.7
10°	747.7	751.5	758.3	765.3	774.4	783.4	795.5	807.6	830.2	843.6	860.7
12.5°	778.5	778.2	785.0	792.0	798.6	805.1	810.7	816.3	825.8	844.4	869.2
15°	814.8	821.5	823.4	825.2	823.0	820.9	819.0	817.1	822.5	842.0	870.4
17.5°	847.6	855.5	851.5	847.4	837.7	828.0	821.7	815.2	806.3	825.4	858.8
20°	859.4	867.1	860.3	853.6	835.2	816.9	801.9	786.8	782.9	801.5	841.9
22.5°	850.4	854.7	848.8	842.8	823.7	804.5	786.1	767.6	751.7	770.1	815.7
25°	830.4	831.5	823.0	814.7	796.2	777.8	759.7	741.5	725.3	740.7	787.3
27.5°	800.6	799.3	789.8	780.4	764.2	748.0	732.7	717.5	701.9	718.5	770.1
30°	763.3	759.9	750.2	740.5	726.4	712.1	701.7	691.2	686.1	704.0	758.3
32.5°	730.7	725.6	716.4	707.1	697.0	686.9	682.5	678.1	673.1	689.3	740.3
35°	693.2	683.2	674.8	666.5	661.8	657.3	657.6	657.8	659.3	671.6	718.4
37.5°	654.6	644.3	637.1	629.8	626.9	623.9	626.8	629.6	633.0	641.9	686.5
40°	618.8	609.1	602.6	596.0	595.7	595.3	599.4	603.4	605.9	609.0	652.0
42.5°	589.2	574.4	568.9	563.3	564.5	565.5	567.5	569.4	575.9	581.7	623.0
45°	564.7	552.0	545.0	538.0	536.5	535.0	539.3	543.7	543.9	560.9	602.5
47.5°	547.4	531.8	524.7	517.6	515.2	512.7	515.0	517.3	527.3	554.2	591.8
50°	536.1	522.6	514.5	506.4	499.6	492.6	494.0	495.4	514.3	553.9	588.2
52.5°	527.6	515.0	508.8	502.6	492.5	482.3	485.9	489.5	515.2	554.4	581.1
55°	523.1	509.1	501.5	494.1	481.8	469.4	480.9	492.5	537.4	560.7	570.6
57.5°	521.6	507.5	494.5	481.5	469.4	457.2	479.2	501.2	552.0	551.6	557.8
60°	516.4	503.0	484.5	465.9	458.9	451.8	477.4	503.0	533.0	515.2	533.7
62.5°	500.7	485.3	465.6	445.7	446.5	447.3	469.0	490.7	501.4	480.5	495.3
65°	474.6	458.3	440.7	423.2	429.5	435.8	450.0	464.1	458.1	452.6	455.9
67.5°	446.7	434.2	417.1	400.0	404.8	409.7	417.5	425.2	411.1	408.9	393.2
70°	417.2	401.1	388.6	376.0	379.7	383.3	382.3	381.3	368.5	357.2	333.9
72.5°	377.4	366.8	354.4	342.0	343.8	345.5	345.4	345.4	331.7	307.0	280.7
75°	333.7	324.0	313.4	302.8	303.8	305.0	303.6	302.2	288.0	256.6	232.1
77.5°	282.6	278.5	272.0	265.5	266.8	268.1	264.8	261.5	246.6	209.8	187.6
80°	230.1	229.1	226.0	222.9	223.4	223.7	218.9	214.1	196.8	164.0	145.5
82.5°	184.3	193.2	191.2	189.1	183.7	178.2	170.7	163.1	144.6	121.1	107.0
85°	123.4	146.4	152.4	158.4	148.2	138.1	124.3	110.3	91.5	76.9	68.1
87.5°	68.4	85.2	93.2	101.2	96.1	90.9	76.7	62.5	39.7	31.8	27.4
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: P1208534

CATALOG NUMBER: UPW-SA1-070-730-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	840.4	845.7	851.1	854.1	857.1	857.9	860.2
5°	852.8	865.2	877.6	890.9	904.1	913.4	920.2
7.5°	863.0	883.1	903.1	924.3	945.4	971.1	1001.6
10°	877.9	905.7	933.8	969.6	1005.6	1035.5	1060.7
12.5°	894.1	929.2	964.5	1008.0	1051.4	1093.6	1132.4
15°	898.9	943.6	988.4	1045.6	1102.8	1156.0	1203.2
17.5°	892.2	950.4	1008.6	1076.4	1144.1	1212.3	1281.4
20°	882.2	955.6	1028.9	1111.1	1193.3	1267.2	1336.9
22.5°	861.4	948.3	1035.2	1130.3	1225.5	1305.0	1377.8
25°	833.9	932.8	1031.8	1142.5	1253.2	1346.1	1433.3
27.5°	821.7	936.7	1051.5	1176.2	1300.8	1390.4	1468.9
30°	812.6	938.9	1065.1	1204.9	1344.6	1440.0	1520.8
32.5°	791.2	928.1	1065.0	1223.5	1382.0	1485.9	1573.0
35°	765.0	912.8	1060.4	1240.6	1420.7	1530.4	1615.9
37.5°	731.0	890.0	1048.9	1253.9	1458.8	1589.0	1691.3
40°	695.0	868.0	1041.0	1284.0	1527.0	1683.7	1796.2
42.5°	664.2	849.7	1035.2	1312.7	1590.2	1787.4	1942.4
45°	643.9	835.0	1026.1	1352.0	1677.9	1955.0	2193.1
47.5°	629.4	819.8	1010.2	1414.6	1819.1	2235.7	2612.6
50°	622.7	814.2	1005.8	1525.4	2045.1	2637.3	3167.5
52.5°	607.7	800.2	992.6	1610.3	2227.9	2987.7	3677.8
55°	580.4	771.3	962.3	1632.5	2302.6	3223.0	4120.4
57.5°	563.9	728.1	892.2	1528.5	2164.9	3257.2	4439.6
60°	552.3	647.2	742.1	1302.3	1862.3	3054.6	4384.9
62.5°	510.1	555.2	600.2	1082.2	1564.3	2719.5	4028.5
65°	459.1	468.0	476.9	880.5	1284.0	2347.4	3585.4
67.5°	377.5	369.4	361.4	692.7	1024.0	1955.9	3075.9
70°	310.6	299.7	288.8	538.2	787.5	1602.7	2637.7
72.5°	254.3	244.8	235.3	406.0	576.7	1236.7	2114.9
75°	207.8	200.8	193.7	300.2	406.6	890.0	1556.0
77.5°	165.4	162.0	158.6	221.1	283.7	613.0	1078.9
80°	127.0	124.7	122.3	152.7	183.1	352.8	594.9
82.5°	93.0	91.6	90.3	102.8	115.2	188.2	294.4
85°	59.3	58.6	57.9	61.2	64.6	85.0	115.8
87.5°	22.8	23.7	24.5	25.8	26.9	32.4	41.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)