

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: P1208911

Luminaire Tested: UPW-SA2-070-827-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-827-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR
LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4520 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

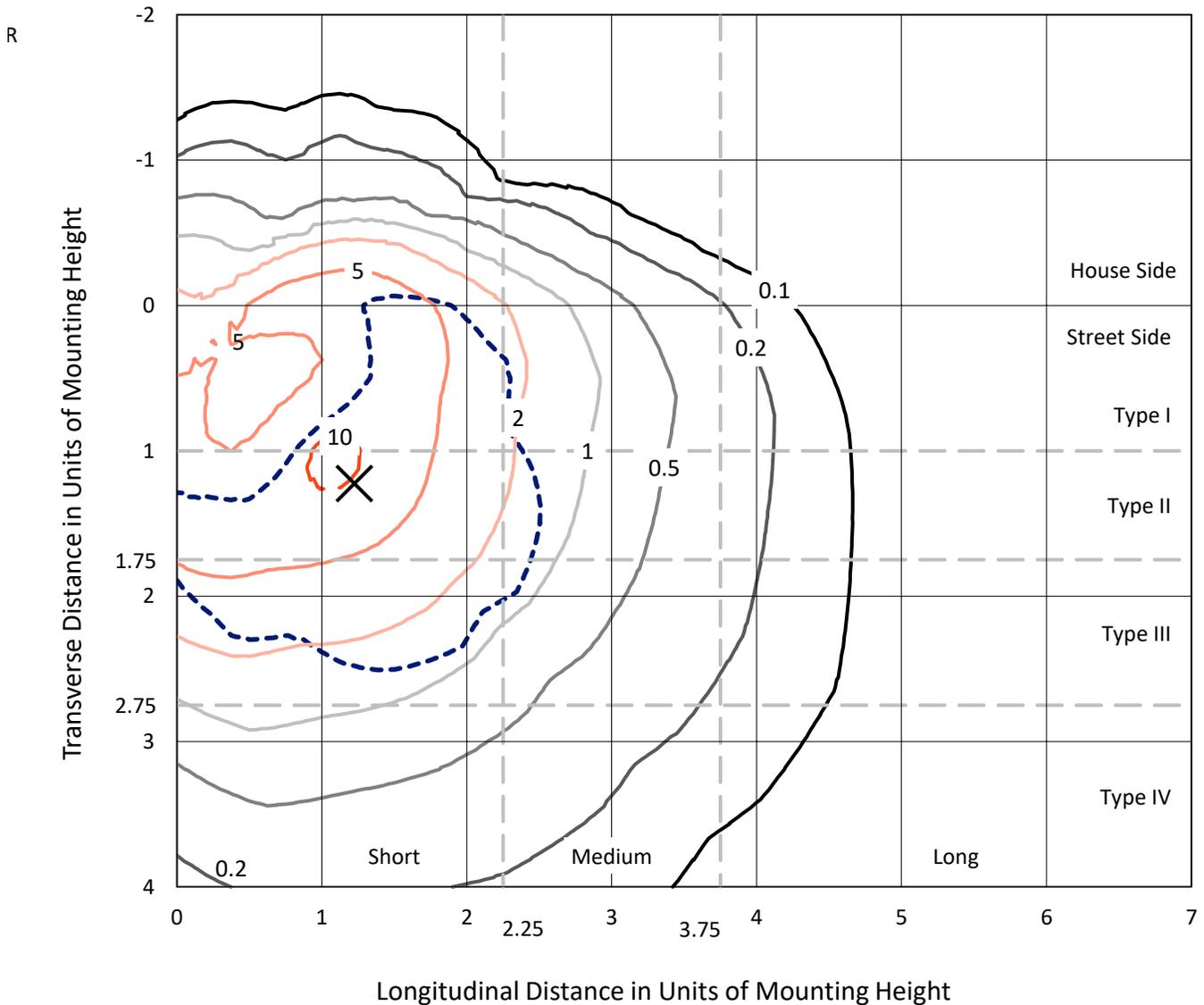
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208911
 CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

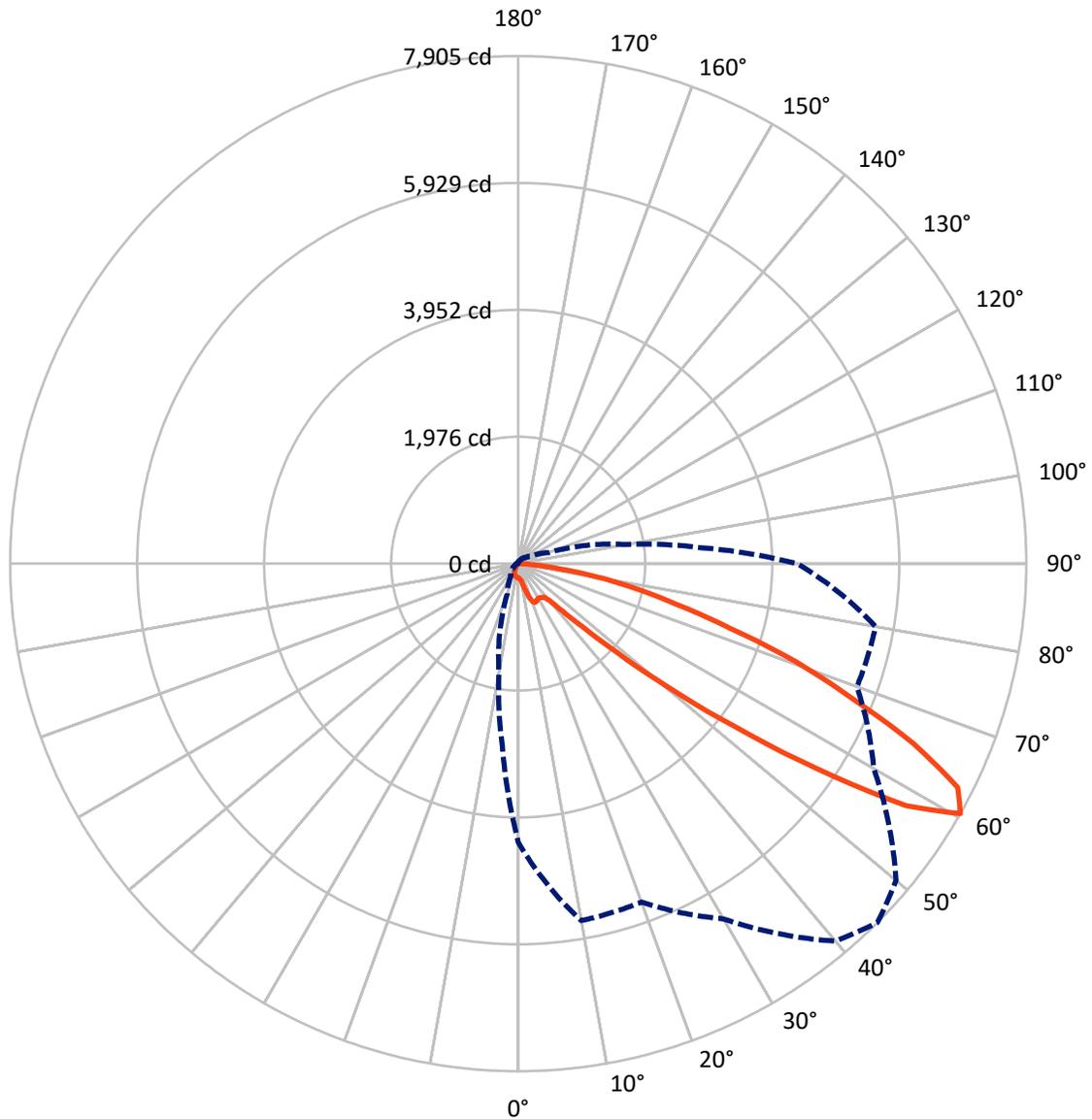
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Short - N/A

REPORT NUMBER: P1208911
CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P1208911

CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	520.7	0.0	520.7
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	3999.3	0.0	3999.3
	% Fixture	88.5	0.0	88.5
Total	Lumens	4520.0	0.0	4520.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.5
10°-20°	69.7	1.5
20°-30°	150.6	3.3
30°-40°	253.8	5.6
40°-50°	512.5	11.3
50°-60°	1318.1	29.2
60°-70°	1433.0	31.7
70°-80°	675.1	14.9
80°-90°	86.7	1.9
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°	4520.0	100.0
0°-180°	4520.0	100.0



REPORT NUMBER: P1208911

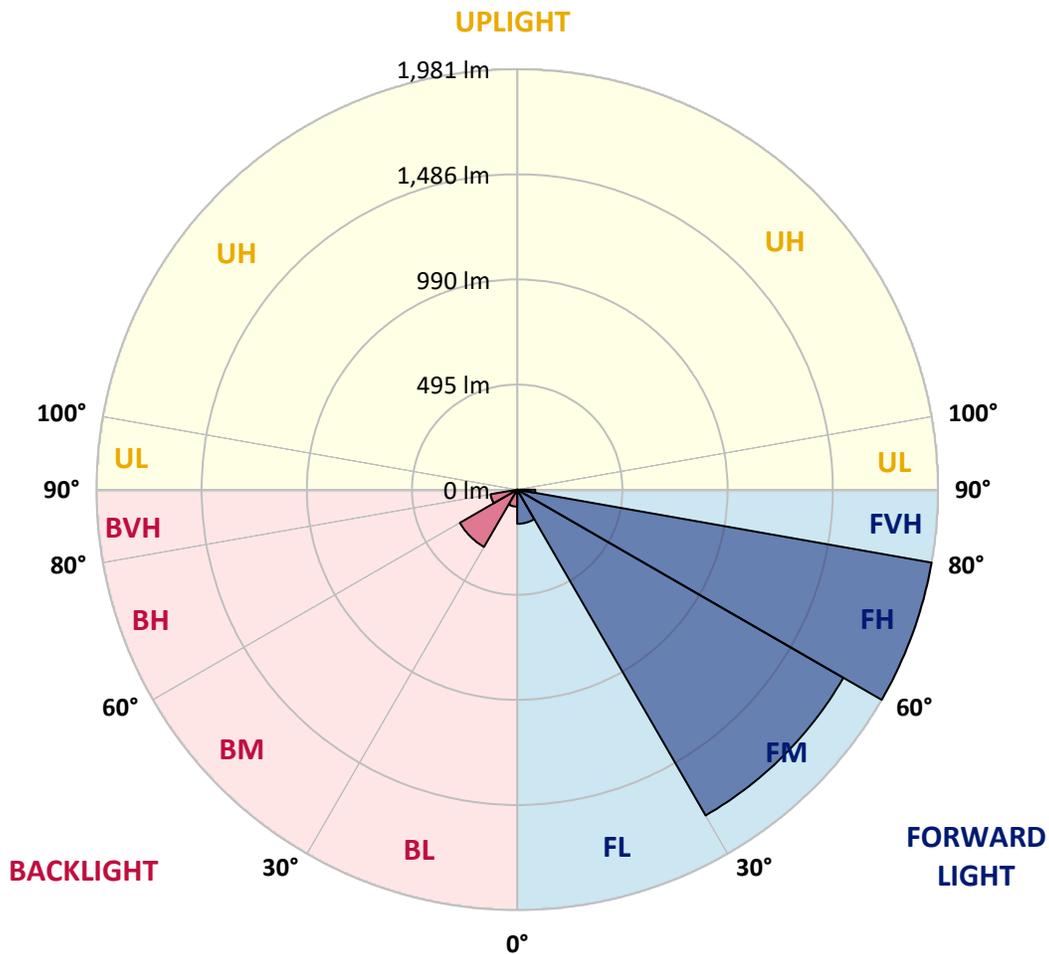
CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.9	3.6			
FM	(30°-60°)	1772.6	39.2			
FH	(60°-80°)	1980.7	43.8			G2/5000
FVH	(80°-90°)	85.1	1.9			G1/100
BL	(0°-30°)	80.1	1.8	B0/110		
BM	(30°-60°)	311.7	6.9	B1/1000		
BH	(60°-80°)	127.4	2.8	B1/500		G1/500
BVH	(80°-90°)	1.5	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 III Short





REPORT NUMBER: P1208911
 CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	226.3	227.0	227.7	228.7	229.8	230.2	230.8	231.0	231.2	229.4	231.2
5°	225.6	227.5	229.4	231.7	234.0	235.2	236.5	237.1	237.7	239.4	237.7
7.5°	218.3	223.2	228.0	232.5	236.9	240.3	243.8	246.7	249.7	251.7	249.7
10°	219.0	227.9	236.9	245.6	254.3	261.0	267.8	272.3	276.8	279.3	276.8
12.5°	235.2	249.7	264.1	278.7	293.2	307.0	320.7	329.8	339.0	345.3	339.0
15°	268.5	295.8	323.0	348.5	374.0	395.3	416.6	427.9	439.2	440.4	439.2
17.5°	336.0	375.9	415.7	449.5	483.4	506.0	528.6	539.4	550.3	553.2	550.3
20°	423.1	473.2	523.3	555.2	587.1	602.3	617.5	623.1	628.8	625.3	628.8
22.5°	525.6	578.6	631.8	653.7	675.6	674.1	672.7	668.0	663.2	655.2	663.2
25°	649.5	693.6	737.7	733.1	728.5	709.8	691.1	675.3	659.5	652.2	659.5
27.5°	775.7	799.5	823.4	790.7	758.0	722.4	686.8	665.7	644.6	631.4	644.6
30°	926.4	911.0	895.5	837.4	779.1	734.1	689.0	664.0	639.0	623.8	639.0
32.5°	1084.5	1030.0	975.5	892.6	809.6	757.2	704.7	675.8	646.8	628.4	646.8
35°	1228.7	1139.4	1050.2	945.1	840.0	783.5	727.2	693.7	660.4	646.0	660.4
37.5°	1389.8	1255.3	1120.8	993.3	865.8	804.2	742.7	712.0	681.4	666.0	681.4
40°	1560.2	1383.3	1206.5	1057.6	908.6	854.4	800.2	780.1	760.0	755.7	760.0
42.5°	1767.3	1550.1	1332.8	1173.6	1014.3	988.7	963.0	969.9	976.6	1004.3	976.6
45°	2141.7	1876.4	1611.0	1431.2	1251.4	1260.9	1270.4	1322.6	1375.0	1405.6	1375.0
47.5°	2688.0	2399.5	2110.8	1881.3	1651.9	1715.7	1779.6	1906.5	2033.5	2060.8	2033.5
50°	3411.9	3105.1	2798.3	2511.9	2225.4	2360.0	2494.7	2737.3	2979.8	3019.8	2979.8
52.5°	4065.6	3829.0	3592.4	3257.2	2922.0	3150.7	3379.3	3735.4	4091.5	4200.6	4091.5
55°	4482.2	4559.5	4636.8	4285.0	3933.2	4212.1	4490.8	4960.0	5429.3	5638.4	5429.3
57.5°	4627.2	5084.2	5541.1	5294.8	5048.4	5336.1	5623.8	6203.7	6783.6	7113.8	6783.6
60°	4338.0	4991.9	5645.9	5626.6	5607.3	5997.8	6388.2	7031.3	7674.4	7904.8	7674.4
62.5°	3860.3	4399.7	4939.1	5037.1	5135.1	5685.1	6235.2	6835.8	7436.4	7672.4	7436.4
65°	3301.0	3783.5	4266.0	4341.8	4417.6	5004.8	5592.2	6134.7	6677.1	6757.1	6677.1
67.5°	2828.4	3316.8	3805.1	3852.8	3900.5	4400.1	4899.7	5301.9	5704.1	5605.4	5704.1
70°	2333.9	2850.4	3366.8	3445.7	3524.7	3878.4	4232.1	4467.2	4702.2	4583.5	4702.2
72.5°	1778.8	2301.9	2825.0	2897.9	2970.7	3216.3	3461.9	3578.2	3694.4	3460.2	3694.4
75°	1239.5	1689.0	2138.4	2234.2	2329.9	2502.1	2674.4	2721.2	2768.0	2551.8	2768.0
77.5°	664.8	966.1	1267.5	1437.1	1606.7	1793.5	1980.2	2002.5	2024.7	1881.3	2024.7
80°	195.6	333.7	471.9	671.3	870.7	1095.0	1319.5	1330.3	1341.1	1234.5	1341.1
82.5°	59.1	119.0	178.9	317.6	456.4	619.5	782.6	767.2	751.8	643.7	751.8
85°	13.0	41.4	69.8	154.2	238.6	313.1	387.6	357.3	327.0	265.5	327.0
87.5°	1.9	11.4	20.9	54.9	89.0	107.4	125.8	102.7	79.6	72.1	79.6
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: P1208911
 CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	231.0	230.8	230.2	229.8	228.7	227.7	227.0	226.3	227.1	226.5	225.6
5°	237.1	236.5	235.2	234.0	231.7	229.4	227.5	225.6	222.7	220.4	218.8
7.5°	246.7	243.8	240.3	236.9	232.5	228.0	223.2	218.3	215.3	212.5	210.2
10°	272.3	267.8	261.0	254.3	245.6	236.9	227.9	219.0	215.4	210.6	207.0
12.5°	329.8	320.7	307.0	293.2	278.7	264.1	249.7	235.2	226.1	216.2	208.8
15°	427.9	416.6	395.3	374.0	348.5	323.0	295.8	268.5	250.0	232.1	218.5
17.5°	539.4	528.6	506.0	483.4	449.5	415.7	375.9	336.0	295.5	261.2	236.4
20°	623.1	617.5	602.3	587.1	555.2	523.3	473.2	423.1	361.1	305.4	264.6
22.5°	668.0	672.7	674.1	675.6	653.7	631.8	578.6	525.6	450.4	372.0	309.8
25°	675.3	691.1	709.8	728.5	733.1	737.7	693.6	649.5	557.4	451.3	363.3
27.5°	665.7	686.8	722.4	758.0	790.7	823.4	799.5	775.7	678.2	552.8	436.3
30°	664.0	689.0	734.1	779.1	837.4	895.5	911.0	926.4	816.3	665.8	518.0
32.5°	675.8	704.7	757.2	809.6	892.6	975.5	1030.0	1084.5	967.7	791.9	609.6
35°	693.7	727.2	783.5	840.0	945.1	1050.2	1139.4	1228.7	1121.9	929.7	713.9
37.5°	712.0	742.7	804.2	865.8	993.3	1120.8	1255.3	1389.8	1291.2	1084.7	831.8
40°	780.1	800.2	854.4	908.6	1057.6	1206.5	1383.3	1560.2	1476.9	1249.4	953.8
42.5°	969.9	963.0	988.7	1014.3	1173.6	1332.8	1550.1	1767.3	1674.6	1414.9	1072.3
45°	1322.6	1270.4	1260.9	1251.4	1431.2	1611.0	1876.4	2141.7	1959.1	1614.9	1202.3
47.5°	1906.5	1779.6	1715.7	1651.9	1881.3	2110.8	2399.5	2688.0	2383.0	1871.1	1348.0
50°	2737.3	2494.7	2360.0	2225.4	2511.9	2798.3	3105.1	3411.9	2881.5	2138.3	1487.6
52.5°	3735.4	3379.3	3150.7	2922.0	3257.2	3592.4	3829.0	4065.6	3238.9	2286.4	1547.6
55°	4960.0	4490.8	4212.1	3933.2	4285.0	4636.8	4559.5	4482.2	3374.7	2287.3	1518.1
57.5°	6203.7	5623.8	5336.1	5048.4	5294.8	5541.1	5084.2	4627.2	3203.6	2076.0	1367.3
60°	7031.3	6388.2	5997.8	5607.3	5626.6	5645.9	4991.9	4338.0	2850.1	1715.5	1107.5
62.5°	6835.8	6235.2	5685.1	5135.1	5037.1	4939.1	4399.7	3860.3	2427.6	1386.5	878.5
65°	6134.7	5592.2	5004.8	4417.6	4341.8	4266.0	3783.5	3301.0	2032.3	1119.2	690.1
67.5°	5301.9	4899.7	4400.1	3900.5	3852.8	3805.1	3316.8	2828.4	1633.9	861.8	512.6
70°	4467.2	4232.1	3878.4	3524.7	3445.7	3366.8	2850.4	2333.9	1265.4	646.0	380.4
72.5°	3578.2	3461.9	3216.3	2970.7	2897.9	2825.0	2301.9	1778.8	872.9	426.2	252.9
75°	2721.2	2674.4	2502.1	2329.9	2234.2	2138.4	1689.0	1239.5	557.5	262.4	158.9
77.5°	2002.5	1980.2	1793.5	1606.7	1437.1	1267.5	966.1	664.8	292.1	137.7	86.5
80°	1330.3	1319.5	1095.0	870.7	671.3	471.9	333.7	195.6	88.6	47.4	34.6
82.5°	767.2	782.6	619.5	456.4	317.6	178.9	119.0	59.1	27.0	16.9	14.4
85°	357.3	387.6	313.1	238.6	154.2	69.8	41.4	13.0	6.6	5.2	4.8
87.5°	102.7	125.8	107.4	89.0	54.9	20.9	11.4	1.9	0.3	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



REPORT NUMBER: P1208911

CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	224.6	224.2	223.9	223.6	223.3	222.5	222.2	222.4	222.7	222.3	221.9
5°	217.3	215.9	214.4	212.9	211.4	210.2	208.4	208.4	208.3	208.8	209.5
7.5°	207.9	206.0	204.1	202.7	201.4	200.6	200.4	199.0	197.8	197.8	197.8
10°	203.3	201.0	198.7	196.6	194.5	192.6	193.0	192.1	191.2	190.7	190.1
12.5°	201.6	197.9	194.1	191.8	189.5	188.0	187.1	185.9	184.8	184.1	183.4
15°	204.9	198.3	191.8	188.8	185.8	183.4	180.1	179.5	178.8	177.9	177.1
17.5°	211.6	200.4	189.4	185.3	181.2	178.4	176.6	174.8	173.0	171.5	169.9
20°	223.9	205.9	188.0	182.4	176.8	174.2	171.4	169.0	166.6	164.6	162.5
22.5°	247.7	218.4	189.1	180.5	171.9	168.0	163.6	161.4	159.4	156.9	154.4
25°	275.3	232.0	188.7	176.6	164.6	160.4	157.9	154.9	151.9	149.2	146.4
27.5°	319.8	255.5	191.2	174.8	158.2	153.1	150.5	147.6	144.9	141.9	139.0
30°	370.4	283.7	197.0	174.5	151.9	145.4	143.0	140.6	138.1	135.1	132.1
32.5°	427.4	315.5	203.7	175.5	147.3	140.4	136.0	133.2	130.4	127.7	125.1
35°	498.1	355.8	213.4	176.4	139.3	131.6	127.8	125.5	123.1	120.1	117.2
37.5°	578.9	401.0	223.1	177.2	131.2	122.8	120.3	118.5	116.6	113.5	110.3
40°	658.3	445.3	232.3	178.5	124.7	115.5	112.5	111.2	109.9	106.8	103.7
42.5°	729.6	485.0	240.5	180.8	121.1	106.6	105.2	103.5	101.9	99.0	96.1
45°	789.9	518.8	247.8	185.2	122.6	99.0	96.4	94.9	93.4	91.5	89.6
47.5°	824.8	539.4	254.0	191.9	129.8	94.0	86.4	85.5	84.5	84.0	83.5
50°	836.9	548.5	260.1	201.9	143.6	99.0	83.6	80.5	77.3	77.3	77.3
52.5°	808.8	533.4	257.9	208.1	158.2	115.9	88.3	79.2	70.0	69.8	69.7
55°	748.8	498.0	247.2	208.8	170.5	139.3	99.8	81.9	64.1	62.5	60.8
57.5°	658.7	448.8	238.8	202.2	165.6	148.5	109.1	85.0	60.8	56.2	51.6
60°	499.5	372.3	245.1	196.1	147.2	133.5	107.0	83.6	60.5	52.2	43.9
62.5°	370.4	296.5	222.5	174.6	126.7	105.9	95.5	78.6	61.8	50.2	38.5
65°	260.9	226.2	191.4	155.6	119.7	83.2	78.9	69.7	60.5	47.9	35.3
67.5°	163.4	148.0	132.6	117.0	101.4	69.4	61.5	54.9	48.2	39.6	31.1
70°	114.7	105.7	96.7	88.7	80.7	58.7	47.7	42.0	36.4	31.9	27.5
72.5°	79.6	73.2	66.7	62.6	58.5	48.3	37.0	31.9	26.9	24.1	21.3
75°	55.4	50.6	45.9	42.1	38.4	31.8	24.1	20.4	16.7	15.3	13.8
77.5°	35.3	31.6	28.0	24.9	21.6	19.9	15.0	12.9	10.7	10.3	9.8
80°	21.9	19.3	16.9	14.4	11.9	11.1	7.7	6.8	6.0	6.0	6.0
82.5°	11.9	10.4	9.1	7.3	5.5	4.6	3.2	2.8	2.3	2.3	2.3
85°	4.4	3.8	3.2	2.6	1.9	1.2	0.5	0.6	0.8	0.7	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2
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: P1208911

CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	221.3	220.6	221.1	221.7	221.0	220.4	220.5	220.6	219.8	219.0	218.2
5°	209.5	209.6	210.5	211.4	211.7	211.9	212.2	212.5	212.7	212.9	213.0
7.5°	197.9	198.1	198.6	199.1	199.8	200.4	202.1	203.7	204.5	205.5	206.5
10°	189.7	189.4	191.0	192.6	193.0	193.5	195.5	197.3	198.4	199.5	200.3
12.5°	182.6	181.8	182.6	183.4	184.8	186.3	189.0	191.8	194.0	196.0	196.5
15°	176.3	175.5	176.2	176.8	177.6	178.4	181.1	184.0	186.4	188.7	189.9
17.5°	168.6	167.3	166.6	166.1	168.6	171.1	173.5	175.9	178.4	180.9	183.1
20°	160.8	159.2	158.8	158.4	159.5	160.5	163.6	166.6	169.7	172.8	173.8
22.5°	152.1	149.8	149.2	148.5	149.0	149.6	151.1	152.7	155.0	157.3	159.0
25°	143.9	141.6	139.6	137.7	137.8	137.9	138.8	139.6	140.5	141.3	142.3
27.5°	136.3	133.5	131.0	128.5	127.5	126.6	125.8	124.9	124.7	124.4	124.3
30°	128.8	125.4	122.8	120.1	117.3	114.5	112.7	110.9	108.9	107.0	105.6
32.5°	121.8	118.5	113.7	108.9	106.0	103.2	99.8	96.5	93.0	89.6	87.3
35°	113.6	109.9	105.4	100.9	96.0	91.1	86.2	81.3	76.7	72.1	69.5
37.5°	105.8	101.3	96.5	91.7	84.9	78.1	72.4	66.7	62.1	57.4	54.6
40°	98.5	93.2	86.7	80.2	72.8	65.4	59.2	53.1	48.6	44.1	41.8
42.5°	91.0	85.9	78.4	71.0	62.8	54.6	48.3	41.8	38.0	34.1	32.1
45°	83.8	78.1	69.4	60.6	52.9	45.3	39.7	34.1	30.5	26.9	25.2
47.5°	77.3	71.2	62.1	52.9	45.7	38.4	33.1	28.0	24.6	21.3	19.8
50°	71.0	64.8	55.6	46.4	39.7	33.0	28.4	23.8	20.6	17.5	16.0
52.5°	64.1	58.7	49.7	40.7	35.4	30.1	25.7	21.3	18.0	14.6	13.0
55°	55.9	51.0	43.6	36.1	31.3	26.5	22.6	18.6	15.0	11.5	9.9
57.5°	47.5	43.3	37.0	30.7	26.7	22.6	18.9	15.2	11.8	8.4	7.1
60°	40.2	36.4	31.1	25.7	21.8	17.8	14.6	11.4	8.4	5.4	4.0
62.5°	34.7	30.8	25.6	20.3	17.2	14.0	11.1	8.3	5.4	2.7	1.5
65°	30.6	25.9	21.4	16.9	13.4	10.0	7.4	4.8	2.9	0.9	0.5
67.5°	26.0	20.9	16.6	12.3	9.3	6.3	4.1	1.9	0.9	0.0	0.0
70°	21.9	16.3	11.6	6.9	4.6	2.3	1.4	0.4	0.2	0.0	0.0
72.5°	16.6	11.9	7.5	3.1	2.0	0.9	0.6	0.2	0.1	0.0	0.0
75°	11.0	8.3	5.3	2.3	1.5	0.6	0.3	0.0	0.0	0.0	0.0
77.5°	8.1	6.5	4.0	1.5	0.9	0.4	0.2	0.0	0.0	0.0	0.0
80°	4.9	3.8	2.3	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	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



REPORT NUMBER: P1208911

CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	217.3	217.1	217.3	218.2	219.0	219.8	220.6	220.5	220.4	221.0	221.7
5°	213.1	213.3	213.1	213.0	212.9	212.7	212.5	212.2	211.9	211.7	211.4
7.5°	207.5	209.5	207.5	206.5	205.5	204.5	203.7	202.1	200.4	199.8	199.1
10°	201.2	202.6	201.2	200.3	199.5	198.4	197.3	195.5	193.5	193.0	192.6
12.5°	197.0	197.2	197.0	196.5	196.0	194.0	191.8	189.0	186.3	184.8	183.4
15°	191.0	191.8	191.0	189.9	188.7	186.4	184.0	181.1	178.4	177.6	176.8
17.5°	185.3	186.4	185.3	183.1	180.9	178.4	175.9	173.5	171.1	168.6	166.1
20°	174.8	174.2	174.8	173.8	172.8	169.7	166.6	163.6	160.5	159.5	158.4
22.5°	160.7	162.7	160.7	159.0	157.3	155.0	152.7	151.1	149.6	149.0	148.5
25°	143.3	144.2	143.3	142.3	141.3	140.5	139.6	138.8	137.9	137.8	137.7
27.5°	124.1	123.5	124.1	124.3	124.4	124.7	124.9	125.8	126.6	127.5	128.5
30°	104.2	103.6	104.2	105.6	107.0	108.9	110.9	112.7	114.5	117.3	120.1
32.5°	85.0	83.6	85.0	87.3	89.6	93.0	96.5	99.8	103.2	106.0	108.9
35°	66.9	66.0	66.9	69.5	72.1	76.7	81.3	86.2	91.1	96.0	100.9
37.5°	52.0	50.6	52.0	54.6	57.4	62.1	66.7	72.4	78.1	84.9	91.7
40°	39.5	38.4	39.5	41.8	44.1	48.6	53.1	59.2	65.4	72.8	80.2
42.5°	29.9	28.4	29.9	32.1	34.1	38.0	41.8	48.3	54.6	62.8	71.0
45°	23.6	23.0	23.6	25.2	26.9	30.5	34.1	39.7	45.3	52.9	60.6
47.5°	18.3	17.6	18.3	19.8	21.3	24.6	28.0	33.1	38.4	45.7	52.9
50°	14.4	13.8	14.4	16.0	17.5	20.6	23.8	28.4	33.0	39.7	46.4
52.5°	11.5	10.7	11.5	13.0	14.6	18.0	21.3	25.7	30.1	35.4	40.7
55°	8.3	7.7	8.3	9.9	11.5	15.0	18.6	22.6	26.5	31.3	36.1
57.5°	5.8	5.4	5.8	7.1	8.4	11.8	15.2	18.9	22.6	26.7	30.7
60°	2.7	2.3	2.7	4.0	5.4	8.4	11.4	14.6	17.8	21.8	25.7
62.5°	0.2	0.0	0.2	1.5	2.7	5.4	8.3	11.1	14.0	17.2	20.3
65°	0.0	0.0	0.0	0.5	0.9	2.9	4.8	7.4	10.0	13.4	16.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.9	4.1	6.3	9.3	12.3
70°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.4	2.3	4.6	6.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	0.9	2.0	3.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.5	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.9	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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



REPORT NUMBER: P1208911

CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	221.1	220.6	221.3	221.9	222.3	222.7	222.4	222.2	222.5	223.3	223.6
5°	210.5	209.6	209.5	209.5	208.8	208.3	208.4	208.4	210.2	211.4	212.9
7.5°	198.6	198.1	197.9	197.8	197.8	197.8	199.0	200.4	200.6	201.4	202.7
10°	191.0	189.4	189.7	190.1	190.7	191.2	192.1	193.0	192.6	194.5	196.6
12.5°	182.6	181.8	182.6	183.4	184.1	184.8	185.9	187.1	188.0	189.5	191.8
15°	176.2	175.5	176.3	177.1	177.9	178.8	179.5	180.1	183.4	185.8	188.8
17.5°	166.6	167.3	168.6	169.9	171.5	173.0	174.8	176.6	178.4	181.2	185.3
20°	158.8	159.2	160.8	162.5	164.6	166.6	169.0	171.4	174.2	176.8	182.4
22.5°	149.2	149.8	152.1	154.4	156.9	159.4	161.4	163.6	168.0	171.9	180.5
25°	139.6	141.6	143.9	146.4	149.2	151.9	154.9	157.9	160.4	164.6	176.6
27.5°	131.0	133.5	136.3	139.0	141.9	144.9	147.6	150.5	153.1	158.2	174.8
30°	122.8	125.4	128.8	132.1	135.1	138.1	140.6	143.0	145.4	151.9	174.5
32.5°	113.7	118.5	121.8	125.1	127.7	130.4	133.2	136.0	140.4	147.3	175.5
35°	105.4	109.9	113.6	117.2	120.1	123.1	125.5	127.8	131.6	139.3	176.4
37.5°	96.5	101.3	105.8	110.3	113.5	116.6	118.5	120.3	122.8	131.2	177.2
40°	86.7	93.2	98.5	103.7	106.8	109.9	111.2	112.5	115.5	124.7	178.5
42.5°	78.4	85.9	91.0	96.1	99.0	101.9	103.5	105.2	106.6	121.1	180.8
45°	69.4	78.1	83.8	89.6	91.5	93.4	94.9	96.4	99.0	122.6	185.2
47.5°	62.1	71.2	77.3	83.5	84.0	84.5	85.5	86.4	94.0	129.8	191.9
50°	55.6	64.8	71.0	77.3	77.3	77.3	80.5	83.6	99.0	143.6	201.9
52.5°	49.7	58.7	64.1	69.7	69.8	70.0	79.2	88.3	115.9	158.2	208.1
55°	43.6	51.0	55.9	60.8	62.5	64.1	81.9	99.8	139.3	170.5	208.8
57.5°	37.0	43.3	47.5	51.6	56.2	60.8	85.0	109.1	148.5	165.6	202.2
60°	31.1	36.4	40.2	43.9	52.2	60.5	83.6	107.0	133.5	147.2	196.1
62.5°	25.6	30.8	34.7	38.5	50.2	61.8	78.6	95.5	105.9	126.7	174.6
65°	21.4	25.9	30.6	35.3	47.9	60.5	69.7	78.9	83.2	119.7	155.6
67.5°	16.6	20.9	26.0	31.1	39.6	48.2	54.9	61.5	69.4	101.4	117.0
70°	11.6	16.3	21.9	27.5	31.9	36.4	42.0	47.7	58.7	80.7	88.7
72.5°	7.5	11.9	16.6	21.3	24.1	26.9	31.9	37.0	48.3	58.5	62.6
75°	5.3	8.3	11.0	13.8	15.3	16.7	20.4	24.1	31.8	38.4	42.1
77.5°	4.0	6.5	8.1	9.8	10.3	10.7	12.9	15.0	19.9	21.6	24.9
80°	2.3	3.8	4.9	6.0	6.0	6.0	6.8	7.7	11.1	11.9	14.4
82.5°	0.8	1.5	1.9	2.3	2.3	2.3	2.8	3.2	4.6	5.5	7.3
85°	0.1	0.2	0.4	0.6	0.7	0.8	0.6	0.5	1.2	1.9	2.6
87.5°	0.0	0.0	0.1	0.2	0.2	0.2	0.1	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



REPORT NUMBER: P1208911

CATALOG NUMBER: UPW-SA2-070-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	223.9	224.2	224.6	225.6	226.5	227.1	226.3
5°	214.4	215.9	217.3	218.8	220.4	222.7	225.6
7.5°	204.1	206.0	207.9	210.2	212.5	215.3	218.3
10°	198.7	201.0	203.3	207.0	210.6	215.4	219.0
12.5°	194.1	197.9	201.6	208.8	216.2	226.1	235.2
15°	191.8	198.3	204.9	218.5	232.1	250.0	268.5
17.5°	189.4	200.4	211.6	236.4	261.2	295.5	336.0
20°	188.0	205.9	223.9	264.6	305.4	361.1	423.1
22.5°	189.1	218.4	247.7	309.8	372.0	450.4	525.6
25°	188.7	232.0	275.3	363.3	451.3	557.4	649.5
27.5°	191.2	255.5	319.8	436.3	552.8	678.2	775.7
30°	197.0	283.7	370.4	518.0	665.8	816.3	926.4
32.5°	203.7	315.5	427.4	609.6	791.9	967.7	1084.5
35°	213.4	355.8	498.1	713.9	929.7	1121.9	1228.7
37.5°	223.1	401.0	578.9	831.8	1084.7	1291.2	1389.8
40°	232.3	445.3	658.3	953.8	1249.4	1476.9	1560.2
42.5°	240.5	485.0	729.6	1072.3	1414.9	1674.6	1767.3
45°	247.8	518.8	789.9	1202.3	1614.9	1959.1	2141.7
47.5°	254.0	539.4	824.8	1348.0	1871.1	2383.0	2688.0
50°	260.1	548.5	836.9	1487.6	2138.3	2881.5	3411.9
52.5°	257.9	533.4	808.8	1547.6	2286.4	3238.9	4065.6
55°	247.2	498.0	748.8	1518.1	2287.3	3374.7	4482.2
57.5°	238.8	448.8	658.7	1367.3	2076.0	3203.6	4627.2
60°	245.1	372.3	499.5	1107.5	1715.5	2850.1	4338.0
62.5°	222.5	296.5	370.4	878.5	1386.5	2427.6	3860.3
65°	191.4	226.2	260.9	690.1	1119.2	2032.3	3301.0
67.5°	132.6	148.0	163.4	512.6	861.8	1633.9	2828.4
70°	96.7	105.7	114.7	380.4	646.0	1265.4	2333.9
72.5°	66.7	73.2	79.6	252.9	426.2	872.9	1778.8
75°	45.9	50.6	55.4	158.9	262.4	557.5	1239.5
77.5°	28.0	31.6	35.3	86.5	137.7	292.1	664.8
80°	16.9	19.3	21.9	34.6	47.4	88.6	195.6
82.5°	9.1	10.4	11.9	14.4	16.9	27.0	59.1
85°	3.2	3.8	4.4	4.8	5.2	6.6	13.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)