

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: P1208128

Luminaire Tested: UPW-SA1-040-750-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208128
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-SA1-040-750-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3858 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

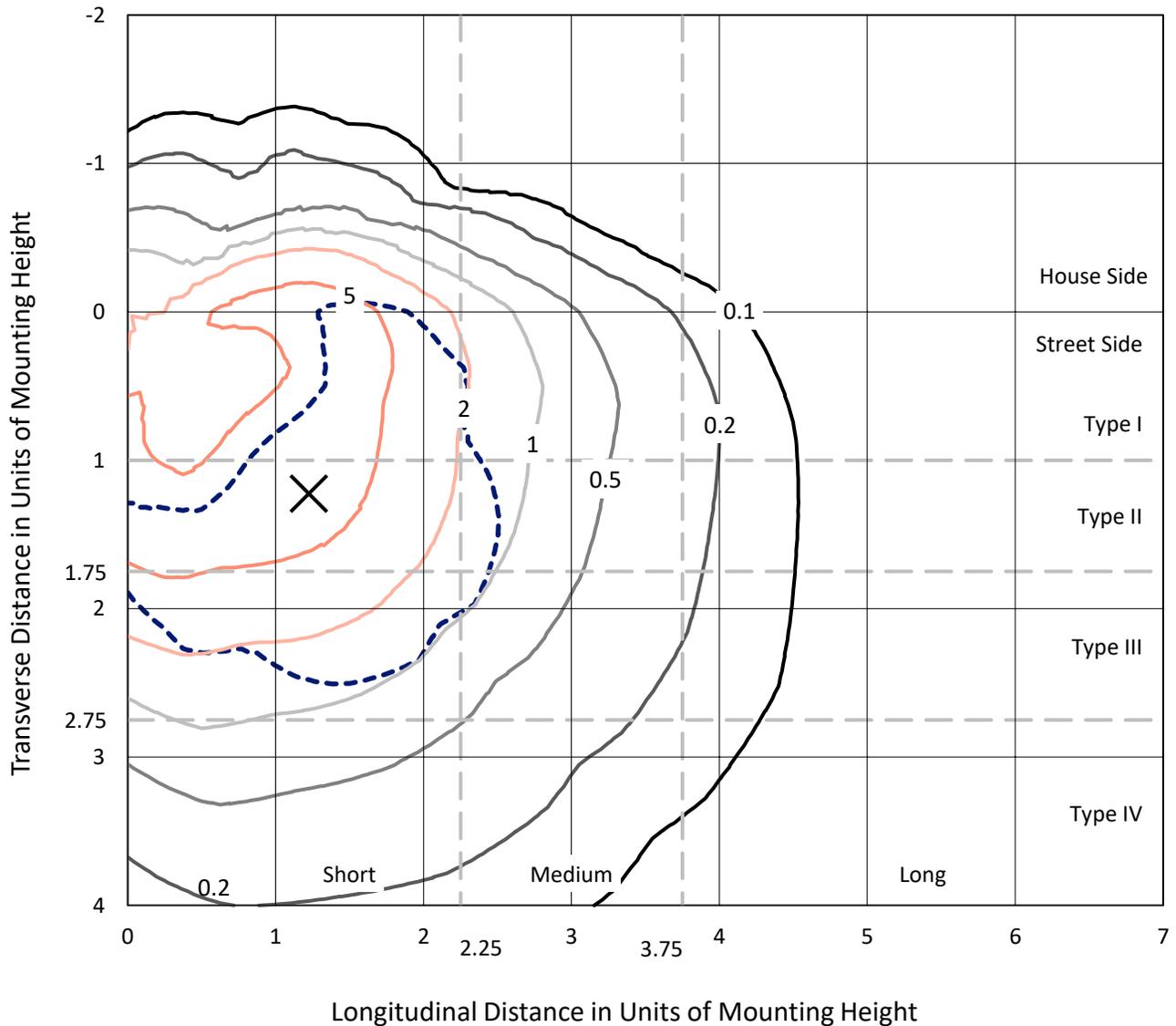
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

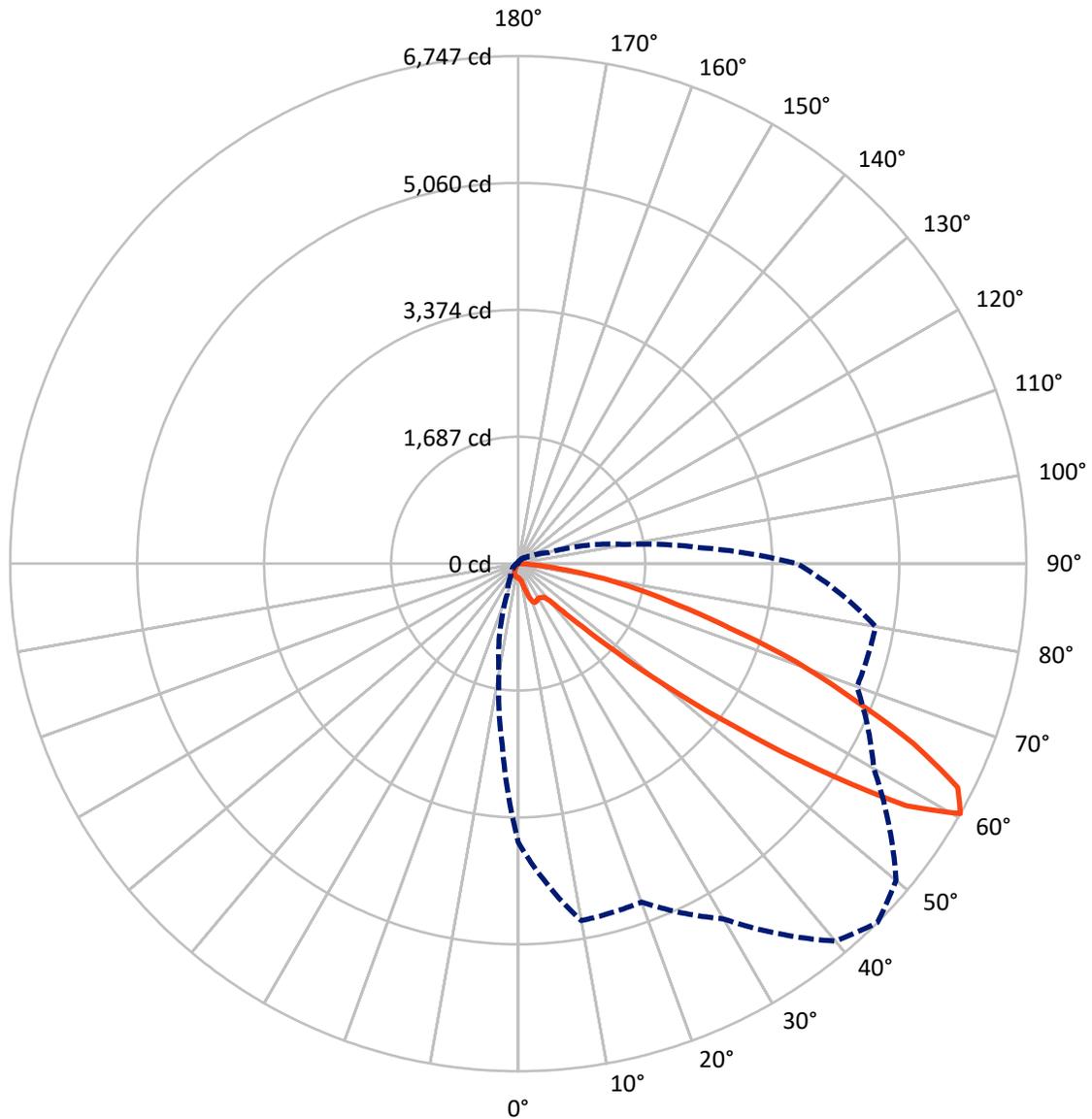
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	444.5	0.0	444.5
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	3413.5	0.0	3413.5
	% Fixture	88.5	0.0	88.5
Total	Lumens	3858.0	0.0	3858.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.5
10°-20°	59.5	1.5
20°-30°	128.6	3.3
30°-40°	216.6	5.6
40°-50°	437.4	11.3
50°-60°	1125.0	29.2
60°-70°	1223.2	31.7
70°-80°	576.2	14.9
80°-90°	74.0	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°	3858.0	100.0
0°-180°	3858.0	100.0



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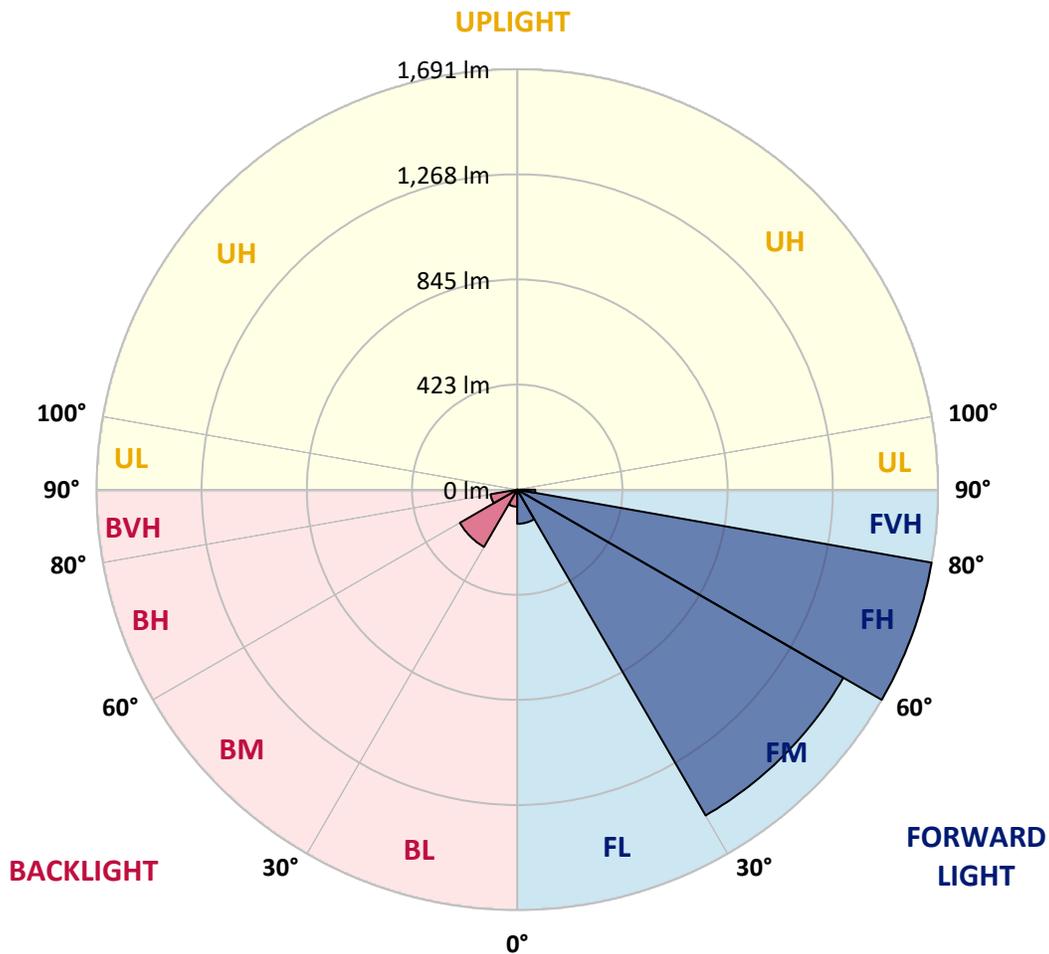
CATALOG NUMBER: UPW-SA1-040-750-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.3	3.6			
FM	(30°-60°)	1513.0	39.2			
FH	(60°-80°)	1690.6	43.8			G1/1800
FVH	(80°-90°)	72.7	1.9			G1/100
BL	(0°-30°)	68.3	1.8	B0/110		
BM	(30°-60°)	266.1	6.9	B1/1000		
BH	(60°-80°)	108.8	2.8	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	193.2	193.8	194.4	195.2	196.1	196.5	197.0	197.2	197.4	195.8	197.4
5°	192.5	194.2	195.8	197.8	199.7	200.8	201.8	202.4	202.9	204.3	202.9
7.5°	186.3	190.5	194.6	198.4	202.2	205.1	208.1	210.6	213.1	214.8	213.1
10°	187.0	194.6	202.2	209.6	217.1	222.8	228.5	232.4	236.3	238.4	236.3
12.5°	200.7	213.1	225.4	237.8	250.3	262.0	273.7	281.5	289.3	294.7	289.3
15°	229.2	252.5	275.7	297.4	319.2	337.4	355.6	365.2	374.8	375.9	374.8
17.5°	286.8	320.8	354.8	383.7	412.6	431.9	451.2	460.4	469.7	472.2	469.7
20°	361.2	403.9	446.6	473.9	501.1	514.1	527.0	531.9	536.7	533.7	536.7
22.5°	448.6	493.9	539.3	557.9	576.6	575.4	574.2	570.1	566.1	559.3	566.1
25°	554.3	592.0	629.7	625.7	621.8	605.8	589.9	576.4	562.9	556.6	562.9
27.5°	662.1	682.4	702.8	674.9	647.0	616.6	586.2	568.2	550.2	539.0	550.2
30°	790.8	777.6	764.4	714.7	665.0	626.6	588.1	566.7	545.4	532.4	545.4
32.5°	925.7	879.2	832.7	761.9	691.0	646.3	601.5	576.8	552.1	536.3	552.1
35°	1048.8	972.5	896.4	806.7	716.9	668.7	620.7	592.1	563.7	551.4	563.7
37.5°	1186.3	1071.4	956.6	847.8	739.0	686.4	633.9	607.7	581.6	568.4	581.6
40°	1331.7	1180.7	1029.8	902.7	775.5	729.3	683.0	665.9	648.7	645.0	648.7
42.5°	1508.5	1323.1	1137.6	1001.7	865.7	843.9	822.0	827.8	833.6	857.2	833.6
45°	1828.1	1601.5	1375.1	1221.6	1068.1	1076.2	1084.3	1128.9	1173.6	1199.7	1173.6
47.5°	2294.3	2048.0	1801.7	1605.8	1409.9	1464.4	1519.0	1627.3	1735.7	1759.0	1735.7
50°	2912.2	2650.3	2388.4	2144.0	1899.4	2014.4	2129.3	2336.4	2543.4	2577.6	2543.4
52.5°	3470.1	3268.2	3066.2	2780.2	2494.1	2689.2	2884.4	3188.3	3492.3	3585.4	3492.3
55°	3825.7	3891.7	3957.7	3657.4	3357.2	3595.2	3833.1	4233.6	4634.1	4812.6	4634.1
57.5°	3949.5	4339.5	4729.6	4519.3	4309.0	4554.6	4800.2	5295.1	5790.1	6071.9	5790.1
60°	3702.6	4260.8	4819.0	4802.5	4786.1	5119.4	5452.6	6001.5	6550.4	6747.1	6550.4
62.5°	3295.0	3755.3	4215.7	4299.3	4383.0	4852.5	5322.0	5834.6	6347.2	6548.7	6347.2
65°	2817.6	3229.4	3641.2	3705.9	3770.6	4271.8	4773.2	5236.2	5699.2	5767.4	5699.2
67.5°	2414.2	2831.0	3247.8	3288.5	3329.2	3755.7	4182.1	4525.4	4868.7	4784.5	4868.7
70°	1992.1	2432.9	2873.7	2941.1	3008.5	3310.4	3612.2	3812.9	4013.5	3912.2	4013.5
72.5°	1518.3	1964.7	2411.2	2473.4	2535.6	2745.3	2954.9	3054.2	3153.3	2953.4	3153.3
75°	1057.9	1441.6	1825.2	1907.0	1988.7	2135.7	2282.7	2322.7	2362.6	2178.1	2362.6
77.5°	567.4	824.6	1081.8	1226.6	1371.4	1530.8	1690.2	1709.2	1728.2	1605.7	1728.2
80°	167.0	284.9	402.7	572.9	743.1	934.6	1126.2	1135.5	1144.7	1053.7	1144.7
82.5°	50.4	101.6	152.7	271.1	389.5	528.7	668.0	654.9	641.7	549.4	641.7
85°	11.1	35.4	59.6	131.6	203.7	267.3	330.8	305.0	279.1	226.6	279.1
87.5°	1.6	9.8	17.8	46.9	76.0	91.7	107.4	87.7	68.0	61.6	68.0
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°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	197.2	197.0	196.5	196.1	195.2	194.4	193.8	193.2	193.8	193.3	192.5
5°	202.4	201.8	200.8	199.7	197.8	195.8	194.2	192.5	190.0	188.1	186.8
7.5°	210.6	208.1	205.1	202.2	198.4	194.6	190.5	186.3	183.8	181.4	179.4
10°	232.4	228.5	222.8	217.1	209.6	202.2	194.6	187.0	183.8	179.8	176.7
12.5°	281.5	273.7	262.0	250.3	237.8	225.4	213.1	200.7	193.0	184.5	178.3
15°	365.2	355.6	337.4	319.2	297.4	275.7	252.5	229.2	213.4	198.1	186.5
17.5°	460.4	451.2	431.9	412.6	383.7	354.8	320.8	286.8	252.2	223.0	201.8
20°	531.9	527.0	514.1	501.1	473.9	446.6	403.9	361.2	308.2	260.6	225.9
22.5°	570.1	574.2	575.4	576.6	557.9	539.3	493.9	448.6	384.4	317.5	264.4
25°	576.4	589.9	605.8	621.8	625.7	629.7	592.0	554.3	475.8	385.2	310.1
27.5°	568.2	586.2	616.6	647.0	674.9	702.8	682.4	662.1	578.8	471.8	372.4
30°	566.7	588.1	626.6	665.0	714.7	764.4	777.6	790.8	696.7	568.3	442.2
32.5°	576.8	601.5	646.3	691.0	761.9	832.7	879.2	925.7	826.0	676.0	520.4
35°	592.1	620.7	668.7	716.9	806.7	896.4	972.5	1048.8	957.5	793.6	609.4
37.5°	607.7	633.9	686.4	739.0	847.8	956.6	1071.4	1186.3	1102.1	925.9	709.9
40°	665.9	683.0	729.3	775.5	902.7	1029.8	1180.7	1331.7	1260.6	1066.5	814.1
42.5°	827.8	822.0	843.9	865.7	1001.7	1137.6	1323.1	1508.5	1429.3	1207.7	915.2
45°	1128.9	1084.3	1076.2	1068.1	1221.6	1375.1	1601.5	1828.1	1672.1	1378.4	1026.2
47.5°	1627.3	1519.0	1464.4	1409.9	1605.8	1801.7	2048.0	2294.3	2034.0	1597.1	1150.5
50°	2336.4	2129.3	2014.4	1899.4	2144.0	2388.4	2650.3	2912.2	2459.5	1825.1	1269.7
52.5°	3188.3	2884.4	2689.2	2494.1	2780.2	3066.2	3268.2	3470.1	2764.5	1951.5	1320.9
55°	4233.6	3833.1	3595.2	3357.2	3657.4	3957.7	3891.7	3825.7	2880.4	1952.3	1295.7
57.5°	5295.1	4800.2	4554.6	4309.0	4519.3	4729.6	4339.5	3949.5	2734.4	1771.9	1167.0
60°	6001.5	5452.6	5119.4	4786.1	4802.5	4819.0	4260.8	3702.6	2432.6	1464.3	945.3
62.5°	5834.6	5322.0	4852.5	4383.0	4299.3	4215.7	3755.3	3295.0	2072.1	1183.5	749.8
65°	5236.2	4773.2	4271.8	3770.6	3705.9	3641.2	3229.4	2817.6	1734.7	955.3	589.0
67.5°	4525.4	4182.1	3755.7	3329.2	3288.5	3247.8	2831.0	2414.2	1394.6	735.5	437.5
70°	3812.9	3612.2	3310.4	3008.5	2941.1	2873.7	2432.9	1992.1	1080.1	551.4	324.7
72.5°	3054.2	2954.9	2745.3	2535.6	2473.4	2411.2	1964.7	1518.3	745.0	363.8	215.8
75°	2322.7	2282.7	2135.7	1988.7	1907.0	1825.2	1441.6	1057.9	475.8	224.0	135.6
77.5°	1709.2	1690.2	1530.8	1371.4	1226.6	1081.8	824.6	567.4	249.3	117.5	73.9
80°	1135.5	1126.2	934.6	743.1	572.9	402.7	284.9	167.0	75.6	40.5	29.5
82.5°	654.9	668.0	528.7	389.5	271.1	152.7	101.6	50.4	23.1	14.4	12.3
85°	305.0	330.8	267.3	203.7	131.6	59.6	35.4	11.1	5.6	4.5	4.1
87.5°	87.7	107.4	91.7	76.0	46.9	17.8	9.8	1.6	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	191.7	191.4	191.1	190.8	190.6	189.9	189.6	189.8	190.0	189.8	189.4
5°	185.5	184.3	183.0	181.7	180.4	179.4	177.9	177.9	177.8	178.3	178.8
7.5°	177.5	175.8	174.2	173.0	171.9	171.2	171.1	169.9	168.8	168.8	168.8
10°	173.5	171.6	169.6	167.8	166.0	164.4	164.7	164.0	163.2	162.7	162.3
12.5°	172.1	168.9	165.7	163.7	161.8	160.4	159.7	158.7	157.7	157.1	156.5
15°	174.8	169.3	163.7	161.2	158.6	156.5	153.8	153.2	152.6	151.9	151.1
17.5°	180.6	171.1	161.6	158.2	154.7	152.3	150.8	149.2	147.7	146.4	145.1
20°	191.1	175.8	160.4	155.7	150.9	148.7	146.3	144.3	142.2	140.5	138.7
22.5°	211.4	186.4	161.4	154.0	146.7	143.4	139.6	137.8	136.1	133.9	131.8
25°	235.0	198.0	161.1	150.8	140.5	136.9	134.8	132.2	129.7	127.3	124.9
27.5°	272.9	218.1	163.2	149.2	135.0	130.6	128.4	126.0	123.6	121.2	118.7
30°	316.2	242.2	168.2	148.9	129.7	124.1	122.1	120.0	117.9	115.3	112.8
32.5°	364.8	269.3	173.9	149.8	125.7	119.8	116.0	113.7	111.3	109.0	106.7
35°	425.1	303.7	182.2	150.6	118.9	112.3	109.1	107.1	105.1	102.6	100.1
37.5°	494.1	342.2	190.4	151.2	112.0	104.8	102.7	101.1	99.5	96.9	94.2
40°	561.9	380.1	198.3	152.3	106.4	98.6	96.0	94.9	93.8	91.2	88.5
42.5°	622.8	414.0	205.3	154.3	103.3	91.0	89.8	88.3	87.0	84.5	82.0
45°	674.2	442.8	211.5	158.1	104.6	84.5	82.3	81.0	79.8	78.1	76.5
47.5°	704.0	460.4	216.8	163.8	110.8	80.2	73.7	73.0	72.2	71.7	71.2
50°	714.3	468.2	222.0	172.3	122.6	84.5	71.4	68.7	66.0	66.0	66.0
52.5°	690.4	455.3	220.2	177.6	135.0	98.9	75.4	67.6	59.7	59.6	59.5
55°	639.1	425.1	211.0	178.3	145.5	118.9	85.2	69.9	54.7	53.3	51.9
57.5°	562.2	383.0	203.8	172.6	141.3	126.7	93.1	72.6	51.9	47.9	44.0
60°	426.3	317.7	209.2	167.4	125.6	113.9	91.3	71.4	51.6	44.5	37.5
62.5°	316.2	253.0	189.9	149.0	108.2	90.4	81.5	67.1	52.7	42.8	32.9
65°	222.7	193.1	163.4	132.8	102.2	71.1	67.3	59.5	51.6	40.9	30.1
67.5°	139.5	126.3	113.2	99.9	86.6	59.3	52.5	46.8	41.1	33.8	26.5
70°	97.9	90.2	82.5	75.7	68.9	50.1	40.7	35.9	31.1	27.2	23.4
72.5°	68.0	62.5	57.0	53.4	49.9	41.3	31.6	27.2	22.9	20.6	18.2
75°	47.3	43.2	39.2	36.0	32.7	27.2	20.6	17.4	14.3	13.0	11.8
77.5°	30.1	27.0	23.9	21.2	18.5	17.0	12.8	11.0	9.2	8.8	8.4
80°	18.7	16.5	14.4	12.3	10.2	9.5	6.5	5.8	5.1	5.1	5.1
82.5°	10.2	8.9	7.7	6.2	4.7	3.9	2.8	2.4	2.0	2.0	2.0
85°	3.8	3.3	2.8	2.2	1.6	1.0	0.4	0.5	0.7	0.6	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
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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CATALOG NUMBER: UPW-SA1-040-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	188.9	188.3	188.7	189.3	188.7	188.1	188.2	188.3	187.6	187.0	186.2
5°	178.8	178.9	179.7	180.4	180.7	180.9	181.1	181.4	181.5	181.7	181.8
7.5°	169.0	169.1	169.5	169.9	170.5	171.1	172.5	173.9	174.6	175.4	176.2
10°	161.9	161.6	163.0	164.4	164.8	165.2	166.9	168.4	169.3	170.3	171.0
12.5°	155.9	155.2	155.9	156.5	157.8	159.0	161.4	163.7	165.6	167.3	167.7
15°	150.5	149.8	150.4	150.9	151.6	152.3	154.6	157.0	159.1	161.1	162.1
17.5°	143.9	142.8	142.2	141.8	143.9	146.0	148.1	150.1	152.3	154.4	156.3
20°	137.3	135.9	135.6	135.2	136.1	137.0	139.6	142.2	144.9	147.5	148.3
22.5°	129.8	127.8	127.3	126.7	127.2	127.7	129.0	130.3	132.3	134.2	135.7
25°	122.9	120.8	119.2	117.5	117.6	117.7	118.5	119.2	119.9	120.6	121.5
27.5°	116.3	113.9	111.9	109.7	108.8	108.1	107.3	106.6	106.4	106.2	106.1
30°	110.0	107.1	104.8	102.5	100.1	97.7	96.2	94.6	93.0	91.4	90.1
32.5°	104.0	101.2	97.1	93.0	90.5	88.1	85.2	82.4	79.4	76.5	74.5
35°	96.9	93.8	90.0	86.1	81.9	77.8	73.6	69.4	65.5	61.6	59.3
37.5°	90.3	86.4	82.4	78.3	72.4	66.7	61.8	57.0	53.0	49.0	46.6
40°	84.1	79.6	74.0	68.4	62.1	55.8	50.6	45.3	41.5	37.7	35.7
42.5°	77.7	73.3	66.9	60.6	53.6	46.6	41.2	35.7	32.4	29.1	27.4
45°	71.5	66.7	59.2	51.7	45.2	38.6	33.9	29.1	26.1	22.9	21.5
47.5°	66.0	60.8	53.0	45.2	39.0	32.7	28.3	23.9	21.0	18.2	16.9
50°	60.6	55.3	47.5	39.6	33.9	28.2	24.2	20.3	17.6	14.9	13.6
52.5°	54.7	50.1	42.4	34.7	30.2	25.7	21.9	18.2	15.3	12.4	11.1
55°	47.7	43.5	37.2	30.8	26.7	22.6	19.3	15.8	12.8	9.8	8.4
57.5°	40.5	37.0	31.6	26.2	22.8	19.3	16.1	13.0	10.1	7.2	6.0
60°	34.3	31.1	26.5	21.9	18.6	15.2	12.4	9.7	7.1	4.6	3.4
62.5°	29.6	26.3	21.9	17.4	14.7	11.9	9.5	7.1	4.6	2.3	1.2
65°	26.1	22.1	18.3	14.4	11.5	8.5	6.3	4.1	2.5	0.8	0.4
67.5°	22.2	17.8	14.1	10.5	7.9	5.4	3.5	1.6	0.8	0.0	0.0
70°	18.7	13.9	9.9	5.9	3.9	2.0	1.2	0.3	0.1	0.0	0.0
72.5°	14.1	10.2	6.4	2.6	1.7	0.8	0.5	0.1	0.1	0.0	0.0
75°	9.4	7.1	4.5	2.0	1.2	0.5	0.3	0.0	0.0	0.0	0.0
77.5°	6.9	5.6	3.4	1.3	0.8	0.3	0.1	0.0	0.0	0.0	0.0
80°	4.2	3.3	2.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.6	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.3	0.1	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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	185.5	185.3	185.5	186.2	187.0	187.6	188.3	188.2	188.1	188.7	189.3
5°	181.9	182.1	181.9	181.8	181.7	181.5	181.4	181.1	180.9	180.7	180.4
7.5°	177.1	178.8	177.1	176.2	175.4	174.6	173.9	172.5	171.1	170.5	169.9
10°	171.7	172.9	171.7	171.0	170.3	169.3	168.4	166.9	165.2	164.8	164.4
12.5°	168.2	168.3	168.2	167.7	167.3	165.6	163.7	161.4	159.0	157.8	156.5
15°	163.1	163.7	163.1	162.1	161.1	159.1	157.0	154.6	152.3	151.6	150.9
17.5°	158.2	159.1	158.2	156.3	154.4	152.3	150.1	148.1	146.0	143.9	141.8
20°	149.2	148.7	149.2	148.3	147.5	144.9	142.2	139.6	137.0	136.1	135.2
22.5°	137.2	138.8	137.2	135.7	134.2	132.3	130.3	129.0	127.7	127.2	126.7
25°	122.3	123.1	122.3	121.5	120.6	119.9	119.2	118.5	117.7	117.6	117.5
27.5°	106.0	105.4	106.0	106.1	106.2	106.4	106.6	107.3	108.1	108.8	109.7
30°	88.9	88.4	88.9	90.1	91.4	93.0	94.6	96.2	97.7	100.1	102.5
32.5°	72.6	71.4	72.6	74.5	76.5	79.4	82.4	85.2	88.1	90.5	93.0
35°	57.1	56.3	57.1	59.3	61.6	65.5	69.4	73.6	77.8	81.9	86.1
37.5°	44.4	43.2	44.4	46.6	49.0	53.0	57.0	61.8	66.7	72.4	78.3
40°	33.7	32.7	33.7	35.7	37.7	41.5	45.3	50.6	55.8	62.1	68.4
42.5°	25.5	24.2	25.5	27.4	29.1	32.4	35.7	41.2	46.6	53.6	60.6
45°	20.2	19.6	20.2	21.5	22.9	26.1	29.1	33.9	38.6	45.2	51.7
47.5°	15.6	15.1	15.6	16.9	18.2	21.0	23.9	28.3	32.7	39.0	45.2
50°	12.3	11.8	12.3	13.6	14.9	17.6	20.3	24.2	28.2	33.9	39.6
52.5°	9.8	9.2	9.8	11.1	12.4	15.3	18.2	21.9	25.7	30.2	34.7
55°	7.1	6.5	7.1	8.4	9.8	12.8	15.8	19.3	22.6	26.7	30.8
57.5°	4.9	4.6	4.9	6.0	7.2	10.1	13.0	16.1	19.3	22.8	26.2
60°	2.3	2.0	2.3	3.4	4.6	7.1	9.7	12.4	15.2	18.6	21.9
62.5°	0.1	0.0	0.1	1.2	2.3	4.6	7.1	9.5	11.9	14.7	17.4
65°	0.0	0.0	0.0	0.4	0.8	2.5	4.1	6.3	8.5	11.5	14.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.5	5.4	7.9	10.5
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.2	2.0	3.9	5.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.8	1.7	2.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.2	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.8	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
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



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	188.7	188.3	188.9	189.4	189.8	190.0	189.8	189.6	189.9	190.6	190.8
5°	179.7	178.9	178.8	178.8	178.3	177.8	177.9	177.9	179.4	180.4	181.7
7.5°	169.5	169.1	169.0	168.8	168.8	168.8	169.9	171.1	171.2	171.9	173.0
10°	163.0	161.6	161.9	162.3	162.7	163.2	164.0	164.7	164.4	166.0	167.8
12.5°	155.9	155.2	155.9	156.5	157.1	157.7	158.7	159.7	160.4	161.8	163.7
15°	150.4	149.8	150.5	151.1	151.9	152.6	153.2	153.8	156.5	158.6	161.2
17.5°	142.2	142.8	143.9	145.1	146.4	147.7	149.2	150.8	152.3	154.7	158.2
20°	135.6	135.9	137.3	138.7	140.5	142.2	144.3	146.3	148.7	150.9	155.7
22.5°	127.3	127.8	129.8	131.8	133.9	136.1	137.8	139.6	143.4	146.7	154.0
25°	119.2	120.8	122.9	124.9	127.3	129.7	132.2	134.8	136.9	140.5	150.8
27.5°	111.9	113.9	116.3	118.7	121.2	123.6	126.0	128.4	130.6	135.0	149.2
30°	104.8	107.1	110.0	112.8	115.3	117.9	120.0	122.1	124.1	129.7	148.9
32.5°	97.1	101.2	104.0	106.7	109.0	111.3	113.7	116.0	119.8	125.7	149.8
35°	90.0	93.8	96.9	100.1	102.6	105.1	107.1	109.1	112.3	118.9	150.6
37.5°	82.4	86.4	90.3	94.2	96.9	99.5	101.1	102.7	104.8	112.0	151.2
40°	74.0	79.6	84.1	88.5	91.2	93.8	94.9	96.0	98.6	106.4	152.3
42.5°	66.9	73.3	77.7	82.0	84.5	87.0	88.3	89.8	91.0	103.3	154.3
45°	59.2	66.7	71.5	76.5	78.1	79.8	81.0	82.3	84.5	104.6	158.1
47.5°	53.0	60.8	66.0	71.2	71.7	72.2	73.0	73.7	80.2	110.8	163.8
50°	47.5	55.3	60.6	66.0	66.0	66.0	68.7	71.4	84.5	122.6	172.3
52.5°	42.4	50.1	54.7	59.5	59.6	59.7	67.6	75.4	98.9	135.0	177.6
55°	37.2	43.5	47.7	51.9	53.3	54.7	69.9	85.2	118.9	145.5	178.3
57.5°	31.6	37.0	40.5	44.0	47.9	51.9	72.6	93.1	126.7	141.3	172.6
60°	26.5	31.1	34.3	37.5	44.5	51.6	71.4	91.3	113.9	125.6	167.4
62.5°	21.9	26.3	29.6	32.9	42.8	52.7	67.1	81.5	90.4	108.2	149.0
65°	18.3	22.1	26.1	30.1	40.9	51.6	59.5	67.3	71.1	102.2	132.8
67.5°	14.1	17.8	22.2	26.5	33.8	41.1	46.8	52.5	59.3	86.6	99.9
70°	9.9	13.9	18.7	23.4	27.2	31.1	35.9	40.7	50.1	68.9	75.7
72.5°	6.4	10.2	14.1	18.2	20.6	22.9	27.2	31.6	41.3	49.9	53.4
75°	4.5	7.1	9.4	11.8	13.0	14.3	17.4	20.6	27.2	32.7	36.0
77.5°	3.4	5.6	6.9	8.4	8.8	9.2	11.0	12.8	17.0	18.5	21.2
80°	2.0	3.3	4.2	5.1	5.1	5.1	5.8	6.5	9.5	10.2	12.3
82.5°	0.7	1.3	1.6	2.0	2.0	2.0	2.4	2.8	3.9	4.7	6.2
85°	0.1	0.1	0.3	0.5	0.6	0.7	0.5	0.4	1.0	1.6	2.2
87.5°	0.0	0.0	0.1	0.1	0.1	0.1	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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	191.9	191.9	191.9	191.9	191.9	191.9	191.9
2.5°	191.1	191.4	191.7	192.5	193.3	193.8	193.2
5°	183.0	184.3	185.5	186.8	188.1	190.0	192.5
7.5°	174.2	175.8	177.5	179.4	181.4	183.8	186.3
10°	169.6	171.6	173.5	176.7	179.8	183.8	187.0
12.5°	165.7	168.9	172.1	178.3	184.5	193.0	200.7
15°	163.7	169.3	174.8	186.5	198.1	213.4	229.2
17.5°	161.6	171.1	180.6	201.8	223.0	252.2	286.8
20°	160.4	175.8	191.1	225.9	260.6	308.2	361.2
22.5°	161.4	186.4	211.4	264.4	317.5	384.4	448.6
25°	161.1	198.0	235.0	310.1	385.2	475.8	554.3
27.5°	163.2	218.1	272.9	372.4	471.8	578.8	662.1
30°	168.2	242.2	316.2	442.2	568.3	696.7	790.8
32.5°	173.9	269.3	364.8	520.4	676.0	826.0	925.7
35°	182.2	303.7	425.1	609.4	793.6	957.5	1048.8
37.5°	190.4	342.2	494.1	709.9	925.9	1102.1	1186.3
40°	198.3	380.1	561.9	814.1	1066.5	1260.6	1331.7
42.5°	205.3	414.0	622.8	915.2	1207.7	1429.3	1508.5
45°	211.5	442.8	674.2	1026.2	1378.4	1672.1	1828.1
47.5°	216.8	460.4	704.0	1150.5	1597.1	2034.0	2294.3
50°	222.0	468.2	714.3	1269.7	1825.1	2459.5	2912.2
52.5°	220.2	455.3	690.4	1320.9	1951.5	2764.5	3470.1
55°	211.0	425.1	639.1	1295.7	1952.3	2880.4	3825.7
57.5°	203.8	383.0	562.2	1167.0	1771.9	2734.4	3949.5
60°	209.2	317.7	426.3	945.3	1464.3	2432.6	3702.6
62.5°	189.9	253.0	316.2	749.8	1183.5	2072.1	3295.0
65°	163.4	193.1	222.7	589.0	955.3	1734.7	2817.6
67.5°	113.2	126.3	139.5	437.5	735.5	1394.6	2414.2
70°	82.5	90.2	97.9	324.7	551.4	1080.1	1992.1
72.5°	57.0	62.5	68.0	215.8	363.8	745.0	1518.3
75°	39.2	43.2	47.3	135.6	224.0	475.8	1057.9
77.5°	23.9	27.0	30.1	73.9	117.5	249.3	567.4
80°	14.4	16.5	18.7	29.5	40.5	75.6	167.0
82.5°	7.7	8.9	10.2	12.3	14.4	23.1	50.4
85°	2.8	3.3	3.8	4.1	4.5	5.6	11.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)