

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: P1207886

Luminaire Tested: UPW-SA1-030-750-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207886
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-SA1-030-750-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4781 lumens
Efficiency: N/A
Efficacy: 140.6 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): 34
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

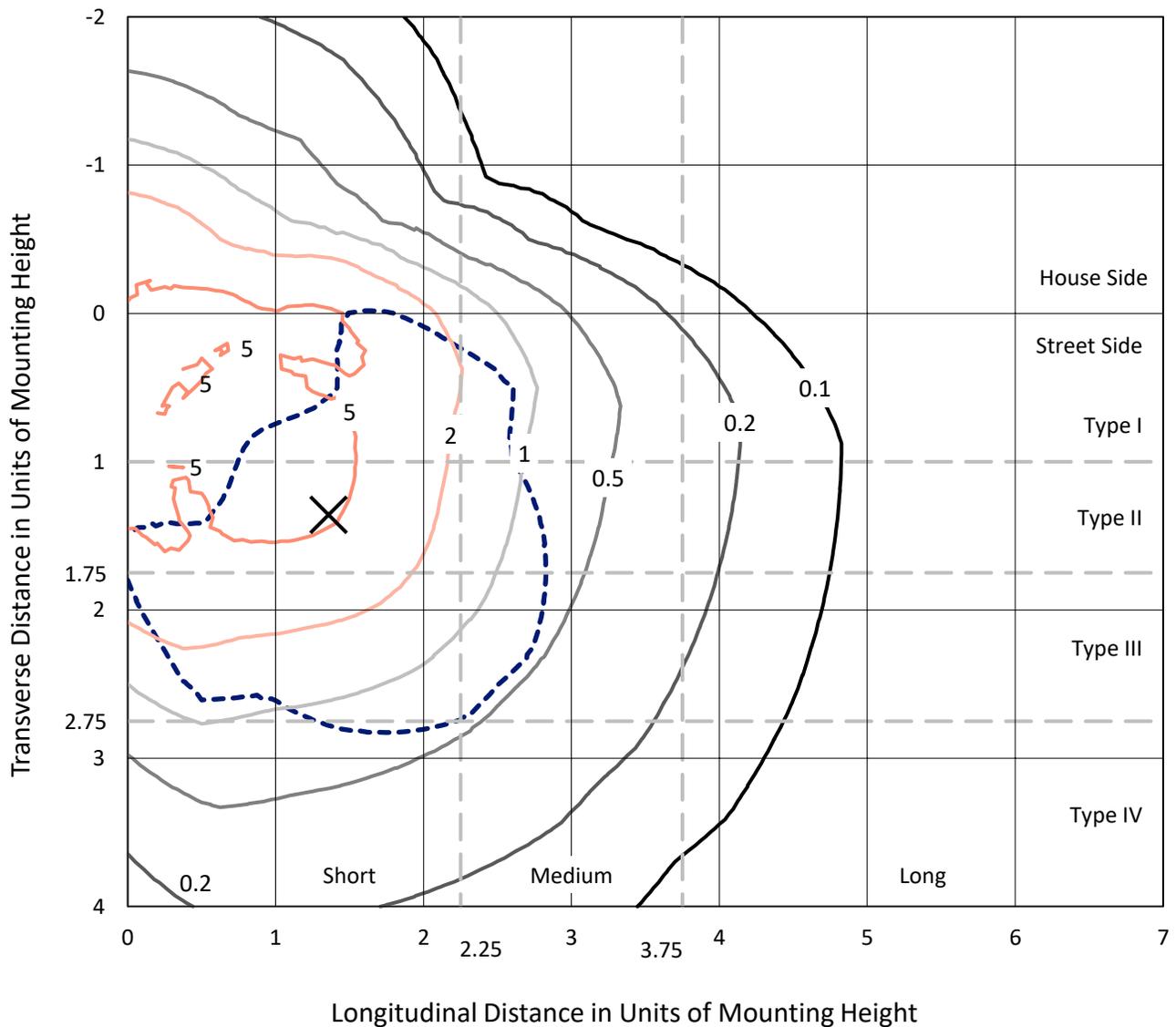


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

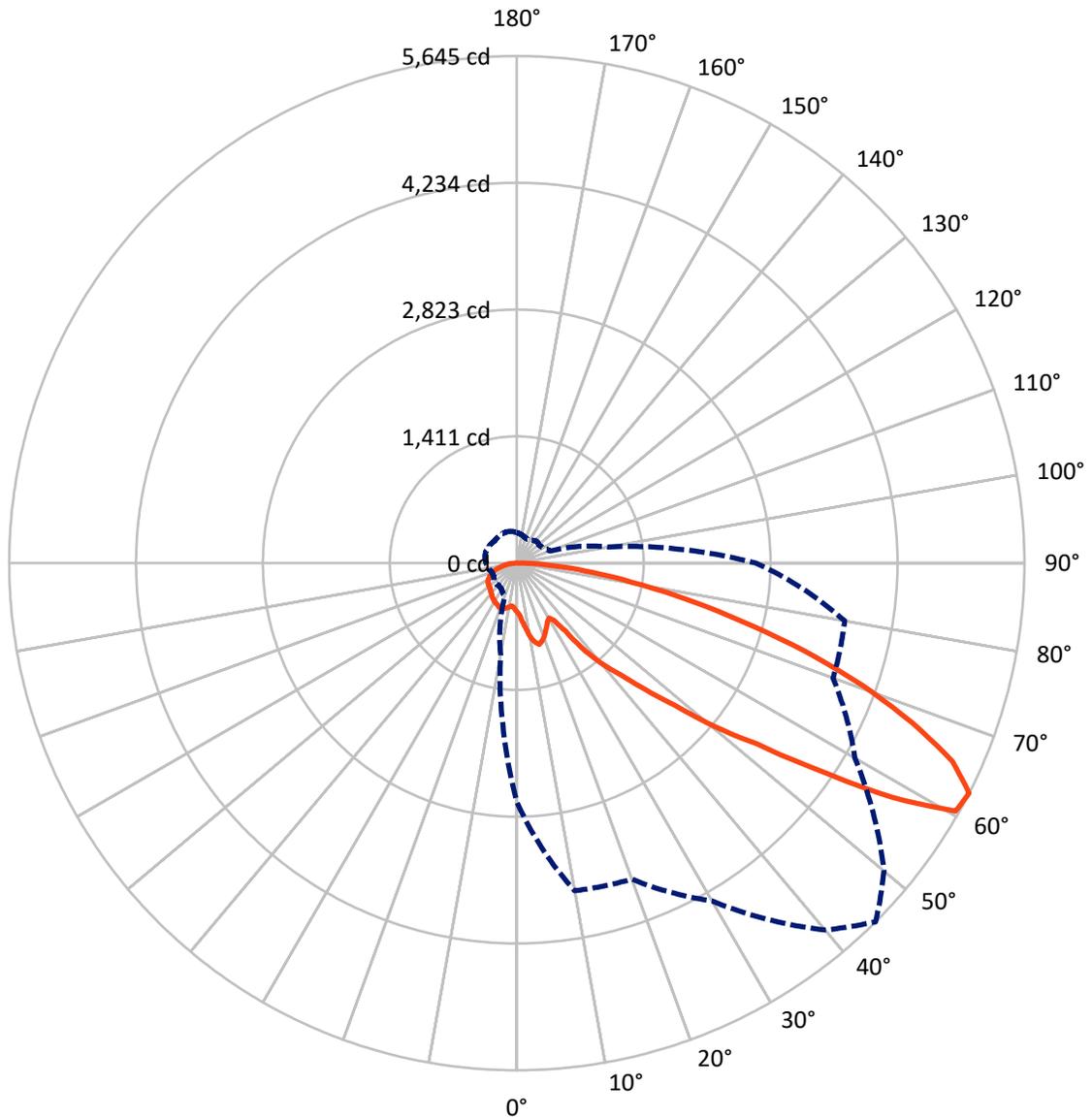


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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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	1171.7	0.0	1171.7
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3609.3	0.0	3609.3
	% Fixture	75.5	0.0	75.5
Total	Lumens	4781.0	0.0	4781.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.1
10°-20°	183.4	3.8
20°-30°	298.3	6.2
30°-40°	406.9	8.5
40°-50°	616.1	12.9
50°-60°	1059.4	22.2
60°-70°	1242.4	26.0
70°-80°	741.0	15.5
80°-90°	179.0	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°	4781.0	100.0
0°-180°	4781.0	100.0



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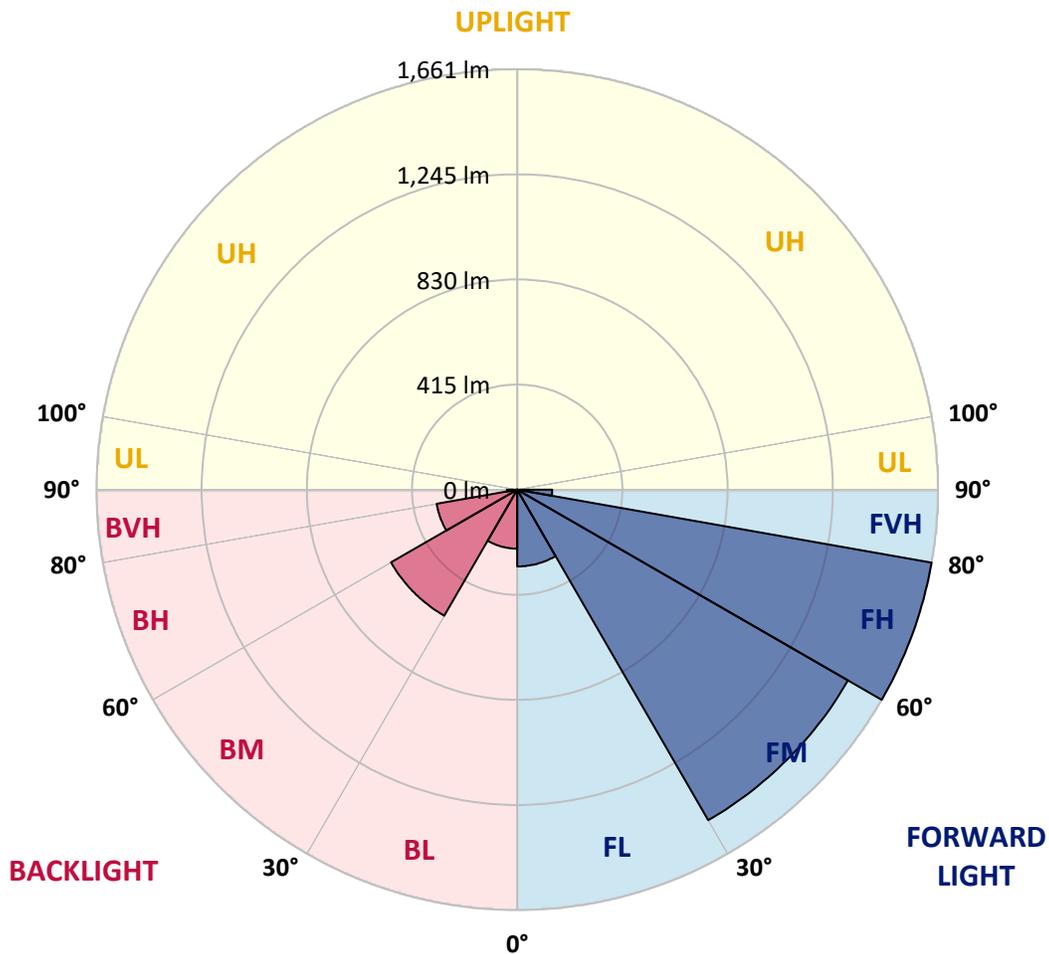
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.0	6.3			
FM	(30°-60°)	1507.4	31.5			
FH	(60°-80°)	1660.6	34.7			G1/1800
FVH	(80°-90°)	138.3	2.9			G2/225
BL	(0°-30°)	233.1	4.9	B1/500		
BM	(30°-60°)	575.1	12.0	B1/1000		
BH	(60°-80°)	322.9	6.8	B1/500		G1/500
BVH	(80°-90°)	40.7	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°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	567.4	569.8	572.2	573.2	574.3	575.2	576.2	577.0	577.8	576.0	577.8
5°	607.0	614.4	621.9	628.4	634.8	639.8	644.6	647.0	649.5	653.4	649.5
7.5°	660.7	670.9	681.1	695.2	709.3	718.8	728.4	732.5	736.7	737.9	736.7
10°	699.7	725.8	752.0	767.6	783.2	794.5	806.0	815.8	825.6	836.7	825.6
12.5°	746.9	776.8	806.5	829.0	851.4	865.8	880.3	889.9	899.6	903.0	899.6
15°	793.7	826.2	858.7	879.8	900.8	912.0	923.3	928.1	932.9	938.8	932.9
17.5°	845.3	869.6	894.0	907.9	921.8	922.2	922.7	916.7	910.7	909.4	910.7
20°	881.9	902.0	922.2	922.5	922.7	910.7	898.7	888.2	877.8	873.0	877.8
22.5°	908.8	922.7	936.5	922.2	908.0	881.3	854.6	839.4	824.3	820.1	824.3
25°	945.4	947.6	949.7	920.7	891.7	854.4	817.2	797.8	778.3	773.7	778.3
27.5°	968.9	962.2	955.4	911.5	867.4	823.7	780.0	757.8	735.6	729.3	735.6
30°	1003.1	978.7	954.3	897.6	840.9	796.8	752.8	734.3	715.7	710.1	715.7
32.5°	1037.6	996.9	956.1	895.4	834.6	803.9	773.2	768.2	763.1	759.2	763.1
35°	1065.9	1020.2	974.4	928.7	882.9	887.6	892.3	908.7	925.2	924.9	925.2
37.5°	1115.6	1068.8	1022.0	1014.4	1006.9	1065.9	1125.0	1172.3	1219.7	1244.4	1219.7
40°	1184.8	1151.9	1119.1	1146.5	1173.8	1255.9	1338.0	1394.1	1450.2	1491.2	1450.2
42.5°	1281.2	1262.5	1243.8	1278.1	1312.3	1402.4	1492.4	1568.9	1645.3	1702.8	1645.3
45°	1446.6	1427.3	1408.0	1424.3	1440.6	1553.3	1666.0	1785.8	1905.6	2006.8	1905.6
47.5°	1723.4	1678.5	1633.6	1619.9	1606.2	1758.1	1910.0	2085.0	2260.2	2364.3	2260.2
50°	2089.4	2019.2	1949.1	1885.1	1821.1	2035.4	2249.8	2504.8	2759.7	2867.0	2759.7
52.5°	2426.0	2361.6	2297.2	2184.7	2072.3	2325.9	2579.6	2910.7	3241.8	3344.7	3241.8
55°	2718.0	2744.9	2771.8	2619.6	2467.5	2748.9	3030.3	3454.4	3878.6	4060.1	3878.6
57.5°	2928.5	3167.9	3407.5	3244.8	3082.2	3344.9	3607.6	4111.7	4615.9	4919.8	4615.9
60°	2892.4	3372.4	3852.4	3780.2	3708.0	3932.4	4156.8	4703.8	5250.9	5605.8	5250.9
62.5°	2657.3	3179.7	3702.1	3722.5	3742.8	4042.5	4342.2	4836.8	5331.3	5645.4	5331.3
65°	2365.1	2856.8	3348.4	3378.6	3408.8	3755.3	4101.8	4586.9	5072.0	5325.3	5072.0
67.5°	2029.0	2540.3	3051.6	3069.8	3088.1	3404.8	3721.5	4158.1	4594.7	4740.3	4594.7
70°	1739.9	2227.0	2714.1	2754.0	2793.9	3070.5	3346.9	3670.2	3993.5	4076.7	3993.5
72.5°	1395.0	1884.9	2374.8	2435.8	2496.9	2699.5	2902.0	3128.1	3354.1	3346.3	3354.1
75°	1026.4	1485.4	1944.6	2029.0	2113.4	2237.6	2361.8	2481.2	2600.6	2566.8	2600.6
77.5°	711.7	1083.0	1454.2	1543.6	1633.1	1720.7	1808.3	1892.5	1976.6	1923.5	1976.6
80°	392.4	657.0	921.6	1022.2	1122.8	1214.4	1305.9	1349.4	1392.7	1303.1	1392.7
82.5°	194.2	341.9	489.7	589.8	689.9	782.7	875.4	902.6	929.8	844.2	929.8
85°	76.4	150.6	224.7	299.4	374.1	447.2	520.3	523.1	525.9	464.3	525.9
87.5°	27.5	57.8	88.2	126.6	165.1	204.4	243.6	242.2	240.8	198.8	240.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	577.0	576.2	575.2	574.3	573.2	572.2	569.8	567.4	565.9	565.4	563.4
5°	647.0	644.6	639.8	634.8	628.4	621.9	614.4	607.0	602.5	596.4	587.7
7.5°	732.5	728.4	718.8	709.3	695.2	681.1	670.9	660.7	640.6	623.6	609.7
10°	815.8	806.0	794.5	783.2	767.6	752.0	725.8	699.7	683.0	663.3	639.6
12.5°	889.9	880.3	865.8	851.4	829.0	806.5	776.8	746.9	721.4	693.5	664.9
15°	928.1	923.3	912.0	900.8	879.8	858.7	826.2	793.7	762.5	727.4	689.7
17.5°	916.7	922.7	922.2	921.8	907.9	894.0	869.6	845.3	799.7	754.7	710.0
20°	888.2	898.7	910.7	922.7	922.5	922.2	902.0	881.9	835.9	787.1	732.9
22.5°	839.4	854.6	881.3	908.0	922.2	936.5	922.7	908.8	860.8	808.4	745.6
25°	797.8	817.2	854.4	891.7	920.7	949.7	947.6	945.4	887.9	826.7	753.6
27.5°	757.8	780.0	823.7	867.4	911.5	955.4	962.2	968.9	917.2	858.1	775.8
30°	734.3	752.8	796.8	840.9	897.6	954.3	978.7	1003.1	949.9	886.9	794.8
32.5°	768.2	773.2	803.9	834.6	895.4	956.1	996.9	1037.6	980.2	911.6	807.1
35°	908.7	892.3	887.6	882.9	928.7	974.4	1020.2	1065.9	1009.5	937.2	818.3
37.5°	1172.3	1125.0	1065.9	1006.9	1014.4	1022.0	1068.8	1115.6	1048.2	962.3	827.1
40°	1394.1	1338.0	1255.9	1173.8	1146.5	1119.1	1151.9	1184.8	1110.6	1007.3	847.0
42.5°	1568.9	1492.4	1402.4	1312.3	1278.1	1243.8	1262.5	1281.2	1179.0	1048.9	865.9
45°	1785.8	1666.0	1553.3	1440.6	1424.3	1408.0	1427.3	1446.6	1289.6	1106.8	891.8
47.5°	2085.0	1910.0	1758.1	1606.2	1619.9	1633.6	1678.5	1723.4	1474.7	1199.9	933.1
50°	2504.8	2249.8	2035.4	1821.1	1885.1	1949.1	2019.2	2089.4	1739.7	1349.0	1006.2
52.5°	2910.7	2579.6	2325.9	2072.3	2184.7	2297.2	2361.6	2426.0	1970.7	1469.6	1062.2
55°	3454.4	3030.3	2748.9	2467.5	2619.6	2771.8	2744.9	2718.0	2126.0	1518.9	1076.8
57.5°	4111.7	3607.6	3344.9	3082.2	3244.8	3407.5	3167.9	2928.5	2148.6	1428.1	1008.3
60°	4703.8	4156.8	3932.4	3708.0	3780.2	3852.4	3372.4	2892.4	2014.9	1228.5	859.0
62.5°	4836.8	4342.2	4042.5	3742.8	3722.5	3702.1	3179.7	2657.3	1793.8	1031.8	713.9
65°	4586.9	4101.8	3755.3	3408.8	3378.6	3348.4	2856.8	2365.1	1548.4	847.0	580.8
67.5°	4158.1	3721.5	3404.8	3088.1	3069.8	3051.6	2540.3	2029.0	1290.2	675.5	456.9
70°	3670.2	3346.9	3070.5	2793.9	2754.0	2714.1	2227.0	1739.9	1057.2	519.4	355.0
72.5°	3128.1	2902.0	2699.5	2496.9	2435.8	2374.8	1884.9	1395.0	815.8	380.4	267.8
75°	2481.2	2361.8	2237.6	2113.4	2029.0	1944.6	1485.4	1026.4	587.1	268.2	198.0
77.5°	1892.5	1808.3	1720.7	1633.1	1543.6	1454.2	1083.0	711.7	404.4	187.1	145.9
80°	1349.4	1305.9	1214.4	1122.8	1022.2	921.6	657.0	392.4	232.7	120.8	100.7
82.5°	902.6	875.4	782.7	689.9	589.8	489.7	341.9	194.2	124.1	76.0	67.8
85°	523.1	520.3	447.2	374.1	299.4	224.7	150.6	76.4	56.1	42.6	40.4
87.5°	242.2	243.6	204.4	165.1	126.6	88.2	57.8	27.5	21.4	17.7	17.0
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°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	561.4	557.9	554.3	551.8	549.3	546.3	541.7	539.3	537.0	534.7	532.4
5°	578.9	570.7	562.5	555.6	548.7	542.6	536.9	530.4	524.0	518.5	512.9
7.5°	595.7	582.5	569.3	559.1	549.0	539.4	529.9	522.4	514.8	508.6	502.5
10°	615.9	597.4	579.1	567.7	556.5	547.7	532.7	524.7	516.8	510.8	504.8
12.5°	636.2	612.9	589.8	573.4	557.0	544.7	538.5	534.8	531.1	526.8	522.4
15°	651.9	622.5	593.0	574.2	555.4	542.6	539.0	540.2	541.5	542.9	544.3
17.5°	665.3	626.9	588.5	566.5	544.4	531.9	537.7	542.0	546.2	552.6	559.0
20°	678.7	630.4	582.0	555.3	528.7	516.4	519.0	529.0	538.8	550.9	563.0
22.5°	682.8	625.6	568.2	538.1	508.0	495.8	506.4	518.5	530.7	543.3	555.9
25°	680.6	615.3	550.1	519.3	488.6	478.5	489.1	501.1	513.0	525.2	537.4
27.5°	693.6	617.9	542.0	508.0	473.9	463.0	473.3	483.3	493.4	504.1	514.8
30°	702.6	619.3	536.0	500.2	464.4	452.5	455.9	462.9	469.8	479.2	488.5
32.5°	702.5	612.2	521.9	488.3	454.7	444.0	447.3	450.2	453.1	459.8	466.4
35°	699.5	602.1	504.6	473.9	443.0	434.9	433.9	433.7	433.6	436.6	439.6
37.5°	691.9	587.1	482.2	452.8	423.4	417.6	415.3	413.4	411.5	413.5	415.4
40°	686.7	572.6	458.4	430.1	401.7	399.7	398.0	395.4	392.7	392.9	393.1
42.5°	682.8	560.5	438.1	410.9	383.7	379.9	375.6	374.3	373.0	372.3	371.6
45°	676.8	550.8	424.8	397.4	370.0	358.8	358.6	355.7	352.9	353.9	354.9
47.5°	666.4	540.8	415.1	390.4	365.6	347.8	341.2	339.7	338.2	339.8	341.4
50°	663.5	537.1	410.8	388.0	365.4	339.3	326.8	325.9	325.0	329.6	334.0
52.5°	654.8	527.8	400.8	383.3	365.7	339.8	322.9	320.5	318.2	324.9	331.5
55°	634.7	508.8	382.8	376.4	369.8	354.5	324.9	317.2	309.6	317.8	325.9
57.5°	588.5	480.3	372.0	367.9	363.9	364.1	330.6	316.1	301.6	309.6	317.6
60°	489.5	426.9	364.3	352.0	339.8	351.6	331.8	314.9	298.0	302.7	307.3
62.5°	395.9	366.2	336.5	326.7	316.9	330.7	323.7	309.4	295.0	294.5	294.0
65°	314.6	308.7	302.8	300.7	298.6	302.1	306.2	296.8	287.5	283.3	279.2
67.5°	238.4	243.7	249.0	259.3	269.7	271.2	280.5	275.4	270.2	267.0	263.8
70°	190.5	197.7	204.9	220.2	235.6	243.1	251.5	252.2	252.8	250.5	248.0
72.5°	155.2	161.5	167.8	185.1	202.5	218.8	227.8	227.8	227.9	226.8	225.6
75°	127.8	132.5	137.0	153.1	169.3	189.9	199.3	200.3	201.2	200.4	199.7
77.5°	104.6	106.9	109.1	123.7	138.4	162.7	172.5	174.7	176.9	176.0	175.1
80°	80.7	82.2	83.8	96.0	108.2	129.8	141.2	144.4	147.6	147.4	147.0
82.5°	59.6	60.4	61.3	70.6	79.9	95.4	107.6	112.6	117.5	121.2	124.8
85°	38.2	38.7	39.1	44.9	50.8	60.4	72.8	82.0	91.1	97.8	104.5
87.5°	16.1	15.6	15.1	18.1	20.9	26.2	41.2	50.6	59.9	63.4	66.8
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	530.3	528.2	526.5	524.9	521.8	518.7	516.9	515.2	514.6	514.0	515.3
5°	509.4	506.0	502.2	498.5	495.6	492.7	490.5	488.2	487.3	486.3	486.6
7.5°	497.5	492.5	488.9	485.4	484.7	484.1	482.6	481.1	481.0	480.9	481.3
10°	500.2	495.7	493.2	490.7	489.9	489.1	489.1	489.0	490.5	492.0	493.2
12.5°	517.8	513.4	513.5	513.7	509.8	506.0	505.0	503.9	505.9	507.7	508.4
15°	543.1	541.9	537.4	533.0	528.4	523.7	522.2	520.7	520.5	520.4	519.8
17.5°	561.7	564.3	559.1	553.8	546.4	539.0	535.5	532.1	530.5	529.0	528.2
20°	567.5	572.0	566.9	561.8	553.5	545.2	539.7	534.3	533.5	532.7	532.6
22.5°	559.9	563.8	561.0	558.1	549.1	540.2	534.2	528.3	525.8	523.3	524.4
25°	542.9	548.5	547.8	547.1	537.8	528.5	522.0	515.5	514.3	513.0	512.7
27.5°	521.0	527.2	528.1	529.0	522.0	515.1	509.0	502.9	501.8	500.7	502.1
30°	494.9	501.3	503.5	505.7	501.3	496.9	492.7	488.6	488.8	489.0	491.1
32.5°	472.5	478.6	482.0	485.4	484.7	484.0	482.4	480.8	478.6	476.5	477.2
35°	445.1	450.7	457.2	463.8	464.6	465.5	466.1	466.7	466.7	466.7	468.5
37.5°	420.2	425.0	431.8	438.7	443.5	448.4	450.6	452.8	454.6	456.3	457.0
40°	397.5	401.8	408.2	414.6	423.6	432.7	437.6	442.7	442.9	443.0	442.0
42.5°	375.3	378.9	388.6	398.3	408.4	418.5	422.9	427.3	429.3	431.2	431.7
45°	359.5	364.1	372.5	381.0	392.5	404.0	409.5	415.0	416.0	417.0	416.7
47.5°	346.1	350.8	361.1	371.3	382.6	393.9	399.7	405.5	406.4	407.2	407.9
50°	339.4	344.7	353.6	362.5	374.5	386.6	394.6	402.6	402.3	402.1	399.9
52.5°	335.6	339.7	348.0	356.4	369.5	382.7	390.5	398.2	398.9	399.5	398.3
55°	330.8	335.8	345.0	354.2	365.9	377.6	385.1	392.6	393.3	394.2	391.9
57.5°	326.2	334.7	344.1	353.4	365.4	377.3	383.7	390.1	388.7	387.3	385.4
60°	319.6	331.8	340.6	349.4	360.5	371.6	376.0	380.4	378.7	376.9	373.0
62.5°	307.1	320.1	330.2	340.3	350.4	360.5	363.6	366.8	365.1	363.4	359.0
65°	290.7	302.3	313.0	323.8	332.1	340.5	344.3	348.1	345.4	342.6	338.2
67.5°	275.1	286.4	294.7	302.9	311.2	319.5	322.7	325.8	322.8	319.8	313.9
70°	256.4	264.6	275.2	285.8	290.4	295.0	296.8	298.6	295.7	292.8	289.1
72.5°	233.8	241.9	248.9	255.9	260.3	264.6	266.6	268.6	265.4	262.2	257.2
75°	206.7	213.7	220.1	226.5	231.2	235.9	237.1	238.3	234.3	230.3	225.0
77.5°	179.4	183.7	186.4	189.1	194.5	199.8	200.8	201.9	198.8	195.8	191.0
80°	149.1	151.1	151.8	152.5	156.5	160.4	161.5	162.5	161.1	159.6	155.6
82.5°	126.1	127.4	121.6	115.7	118.8	121.9	124.4	126.7	126.1	125.5	122.1
85°	100.5	96.6	81.4	66.3	72.2	78.3	82.3	86.3	87.0	87.6	85.3
87.5°	61.5	56.2	45.1	33.9	38.8	43.7	47.7	51.7	49.1	46.5	41.1
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	516.6	518.3	516.6	515.3	514.0	514.6	515.2	516.9	518.7	521.8	524.9
5°	486.8	486.7	486.8	486.6	486.3	487.3	488.2	490.5	492.7	495.6	498.5
7.5°	481.7	479.8	481.7	481.3	480.9	481.0	481.1	482.6	484.1	484.7	485.4
10°	494.5	493.7	494.5	493.2	492.0	490.5	489.0	489.1	489.1	489.9	490.7
12.5°	509.1	507.6	509.1	508.4	507.7	505.9	503.9	505.0	506.0	509.8	513.7
15°	519.1	518.3	519.1	519.8	520.4	520.5	520.7	522.2	523.7	528.4	533.0
17.5°	527.5	528.4	527.5	528.2	529.0	530.5	532.1	535.5	539.0	546.4	553.8
20°	532.6	532.2	532.6	532.6	532.7	533.5	534.3	539.7	545.2	553.5	561.8
22.5°	525.5	529.0	525.5	524.4	523.3	525.8	528.3	534.2	540.2	549.1	558.1
25°	512.4	510.8	512.4	512.7	513.0	514.3	515.5	522.0	528.5	537.8	547.1
27.5°	503.4	504.4	503.4	502.1	500.7	501.8	502.9	509.0	515.1	522.0	529.0
30°	493.2	496.9	493.2	491.1	489.0	488.8	488.6	492.7	496.9	501.3	505.7
32.5°	477.9	480.9	477.9	477.2	476.5	478.6	480.8	482.4	484.0	484.7	485.4
35°	470.2	473.9	470.2	468.5	466.7	466.7	466.7	466.1	465.5	464.6	463.8
37.5°	457.8	457.9	457.8	457.0	456.3	454.6	452.8	450.6	448.4	443.5	438.7
40°	440.9	441.3	440.9	442.0	443.0	442.9	442.7	437.6	432.7	423.6	414.6
42.5°	432.1	433.3	432.1	431.7	431.2	429.3	427.3	422.9	418.5	408.4	398.3
45°	416.5	415.1	416.5	416.7	417.0	416.0	415.0	409.5	404.0	392.5	381.0
47.5°	408.6	409.8	408.6	407.9	407.2	406.4	405.5	399.7	393.9	382.6	371.3
50°	397.8	397.0	397.8	399.9	402.1	402.3	402.6	394.6	386.6	374.5	362.5
52.5°	397.1	397.5	397.1	398.3	399.5	398.9	398.2	390.5	382.7	369.5	356.4
55°	389.5	387.9	389.5	391.9	394.2	393.3	392.6	385.1	377.6	365.9	354.2
57.5°	383.6	384.2	383.6	385.4	387.3	388.7	390.1	383.7	377.3	365.4	353.4
60°	369.1	366.0	369.1	373.0	376.9	378.7	380.4	376.0	371.6	360.5	349.4
62.5°	354.5	348.9	354.5	359.0	363.4	365.1	366.8	363.6	360.5	350.4	340.3
65°	333.7	330.7	333.7	338.2	342.6	345.4	348.1	344.3	340.5	332.1	323.8
67.5°	308.0	303.5	308.0	313.9	319.8	322.8	325.8	322.7	319.5	311.2	302.9
70°	285.3	282.1	285.3	289.1	292.8	295.7	298.6	296.8	295.0	290.4	285.8
72.5°	252.2	249.0	252.2	257.2	262.2	265.4	268.6	266.6	264.6	260.3	255.9
75°	219.9	215.3	219.9	225.0	230.3	234.3	238.3	237.1	235.9	231.2	226.5
77.5°	186.0	181.7	186.0	191.0	195.8	198.8	201.9	200.8	199.8	194.5	189.1
80°	151.6	145.9	151.6	155.6	159.6	161.1	162.5	161.5	160.4	156.5	152.5
82.5°	118.7	113.8	118.7	122.1	125.5	126.1	126.7	124.4	121.9	118.8	115.7
85°	82.9	79.1	82.9	85.3	87.6	87.0	86.3	82.3	78.3	72.2	66.3
87.5°	35.8	29.9	35.8	41.1	46.5	49.1	51.7	47.7	43.7	38.8	33.9
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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CATALOG NUMBER: UPW-SA1-030-750-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	526.5	528.2	530.3	532.4	534.7	537.0	539.3	541.7	546.3	549.3	551.8
5°	502.2	506.0	509.4	512.9	518.5	524.0	530.4	536.9	542.6	548.7	555.6
7.5°	488.9	492.5	497.5	502.5	508.6	514.8	522.4	529.9	539.4	549.0	559.1
10°	493.2	495.7	500.2	504.8	510.8	516.8	524.7	532.7	547.7	556.5	567.7
12.5°	513.5	513.4	517.8	522.4	526.8	531.1	534.8	538.5	544.7	557.0	573.4
15°	537.4	541.9	543.1	544.3	542.9	541.5	540.2	539.0	542.6	555.4	574.2
17.5°	559.1	564.3	561.7	559.0	552.6	546.2	542.0	537.7	531.9	544.4	566.5
20°	566.9	572.0	567.5	563.0	550.9	538.8	529.0	519.0	516.4	528.7	555.3
22.5°	561.0	563.8	559.9	555.9	543.3	530.7	518.5	506.4	495.8	508.0	538.1
25°	547.8	548.5	542.9	537.4	525.2	513.0	501.1	489.1	478.5	488.6	519.3
27.5°	528.1	527.2	521.0	514.8	504.1	493.4	483.3	473.3	463.0	473.9	508.0
30°	503.5	501.3	494.9	488.5	479.2	469.8	462.9	455.9	452.5	464.4	500.2
32.5°	482.0	478.6	472.5	466.4	459.8	453.1	450.2	447.3	444.0	454.7	488.3
35°	457.2	450.7	445.1	439.6	436.6	433.6	433.7	433.9	434.9	443.0	473.9
37.5°	431.8	425.0	420.2	415.4	413.5	411.5	413.4	415.3	417.6	423.4	452.8
40°	408.2	401.8	397.5	393.1	392.9	392.7	395.4	398.0	399.7	401.7	430.1
42.5°	388.6	378.9	375.3	371.6	372.3	373.0	374.3	375.6	379.9	383.7	410.9
45°	372.5	364.1	359.5	354.9	353.9	352.9	355.7	358.6	358.8	370.0	397.4
47.5°	361.1	350.8	346.1	341.4	339.8	338.2	339.7	341.2	347.8	365.6	390.4
50°	353.6	344.7	339.4	334.0	329.6	325.0	325.9	326.8	339.3	365.4	388.0
52.5°	348.0	339.7	335.6	331.5	324.9	318.2	320.5	322.9	339.8	365.7	383.3
55°	345.0	335.8	330.8	325.9	317.8	309.6	317.2	324.9	354.5	369.8	376.4
57.5°	344.1	334.7	326.2	317.6	309.6	301.6	316.1	330.6	364.1	363.9	367.9
60°	340.6	331.8	319.6	307.3	302.7	298.0	314.9	331.8	351.6	339.8	352.0
62.5°	330.2	320.1	307.1	294.0	294.5	295.0	309.4	323.7	330.7	316.9	326.7
65°	313.0	302.3	290.7	279.2	283.3	287.5	296.8	306.2	302.1	298.6	300.7
67.5°	294.7	286.4	275.1	263.8	267.0	270.2	275.4	280.5	271.2	269.7	259.3
70°	275.2	264.6	256.4	248.0	250.5	252.8	252.2	251.5	243.1	235.6	220.2
72.5°	248.9	241.9	233.8	225.6	226.8	227.9	227.8	227.8	218.8	202.5	185.1
75°	220.1	213.7	206.7	199.7	200.4	201.2	200.3	199.3	189.9	169.3	153.1
77.5°	186.4	183.7	179.4	175.1	176.0	176.9	174.7	172.5	162.7	138.4	123.7
80°	151.8	151.1	149.1	147.0	147.4	147.6	144.4	141.2	129.8	108.2	96.0
82.5°	121.6	127.4	126.1	124.8	121.2	117.5	112.6	107.6	95.4	79.9	70.6
85°	81.4	96.6	100.5	104.5	97.8	91.1	82.0	72.8	60.4	50.8	44.9
87.5°	45.1	56.2	61.5	66.8	63.4	59.9	50.6	41.2	26.2	20.9	18.1
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-SA1-030-750-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	554.3	557.9	561.4	563.4	565.4	565.9	567.4
5°	562.5	570.7	578.9	587.7	596.4	602.5	607.0
7.5°	569.3	582.5	595.7	609.7	623.6	640.6	660.7
10°	579.1	597.4	615.9	639.6	663.3	683.0	699.7
12.5°	589.8	612.9	636.2	664.9	693.5	721.4	746.9
15°	593.0	622.5	651.9	689.7	727.4	762.5	793.7
17.5°	588.5	626.9	665.3	710.0	754.7	799.7	845.3
20°	582.0	630.4	678.7	732.9	787.1	835.9	881.9
22.5°	568.2	625.6	682.8	745.6	808.4	860.8	908.8
25°	550.1	615.3	680.6	753.6	826.7	887.9	945.4
27.5°	542.0	617.9	693.6	775.8	858.1	917.2	968.9
30°	536.0	619.3	702.6	794.8	886.9	949.9	1003.1
32.5°	521.9	612.2	702.5	807.1	911.6	980.2	1037.6
35°	504.6	602.1	699.5	818.3	937.2	1009.5	1065.9
37.5°	482.2	587.1	691.9	827.1	962.3	1048.2	1115.6
40°	458.4	572.6	686.7	847.0	1007.3	1110.6	1184.8
42.5°	438.1	560.5	682.8	865.9	1048.9	1179.0	1281.2
45°	424.8	550.8	676.8	891.8	1106.8	1289.6	1446.6
47.5°	415.1	540.8	666.4	933.1	1199.9	1474.7	1723.4
50°	410.8	537.1	663.5	1006.2	1349.0	1739.7	2089.4
52.5°	400.8	527.8	654.8	1062.2	1469.6	1970.7	2426.0
55°	382.8	508.8	634.7	1076.8	1518.9	2126.0	2718.0
57.5°	372.0	480.3	588.5	1008.3	1428.1	2148.6	2928.5
60°	364.3	426.9	489.5	859.0	1228.5	2014.9	2892.4
62.5°	336.5	366.2	395.9	713.9	1031.8	1793.8	2657.3
65°	302.8	308.7	314.6	580.8	847.0	1548.4	2365.1
67.5°	249.0	243.7	238.4	456.9	675.5	1290.2	2029.0
70°	204.9	197.7	190.5	355.0	519.4	1057.2	1739.9
72.5°	167.8	161.5	155.2	267.8	380.4	815.8	1395.0
75°	137.0	132.5	127.8	198.0	268.2	587.1	1026.4
77.5°	109.1	106.9	104.6	145.9	187.1	404.4	711.7
80°	83.8	82.2	80.7	100.7	120.8	232.7	392.4
82.5°	61.3	60.4	59.6	67.8	76.0	124.1	194.2
85°	39.1	38.7	38.2	40.4	42.6	56.1	76.4
87.5°	15.1	15.6	16.1	17.0	17.7	21.4	27.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)