

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: P1208379

Luminaire Tested: UPW-SA1-060-750-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-750-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7870 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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

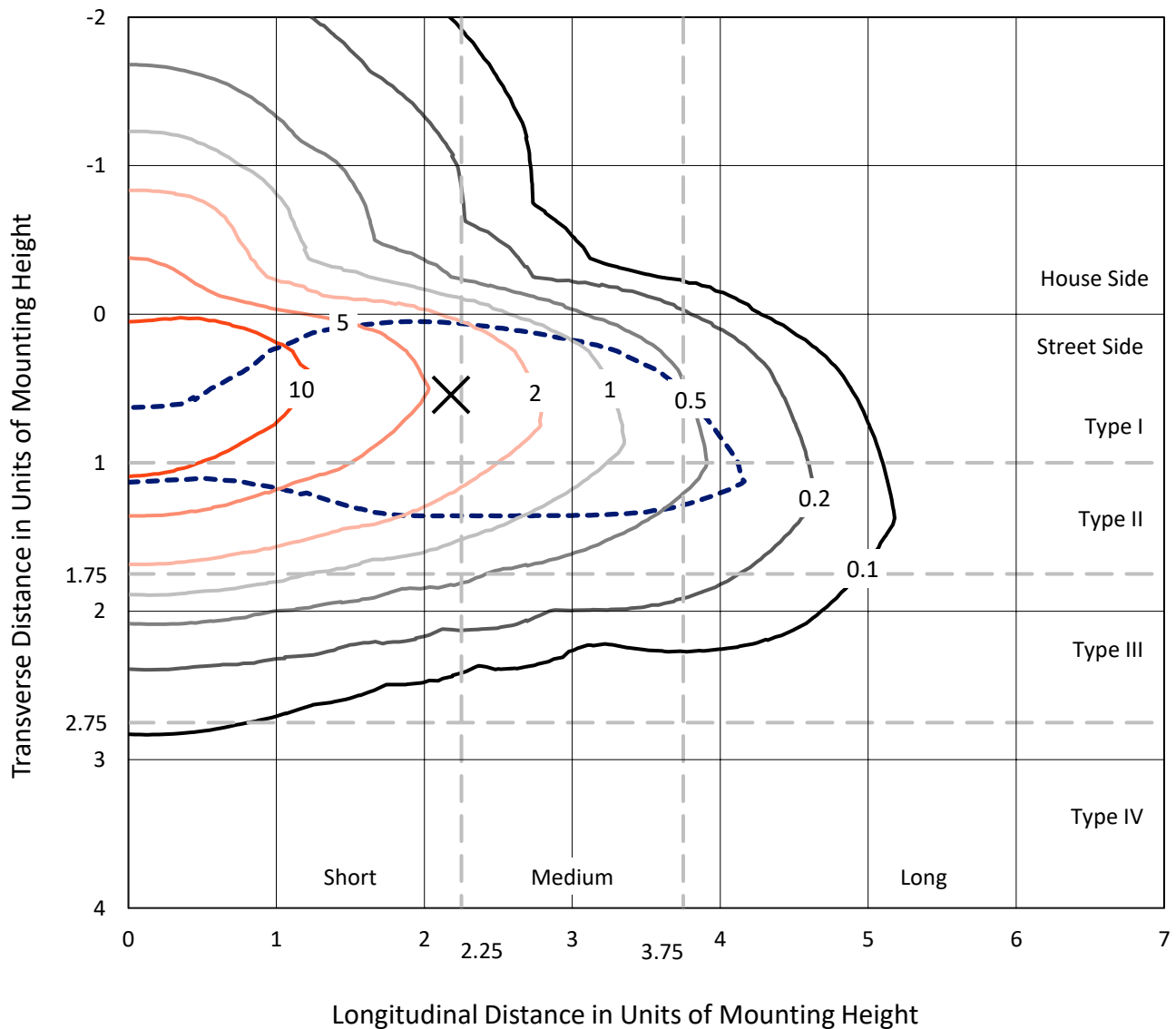


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

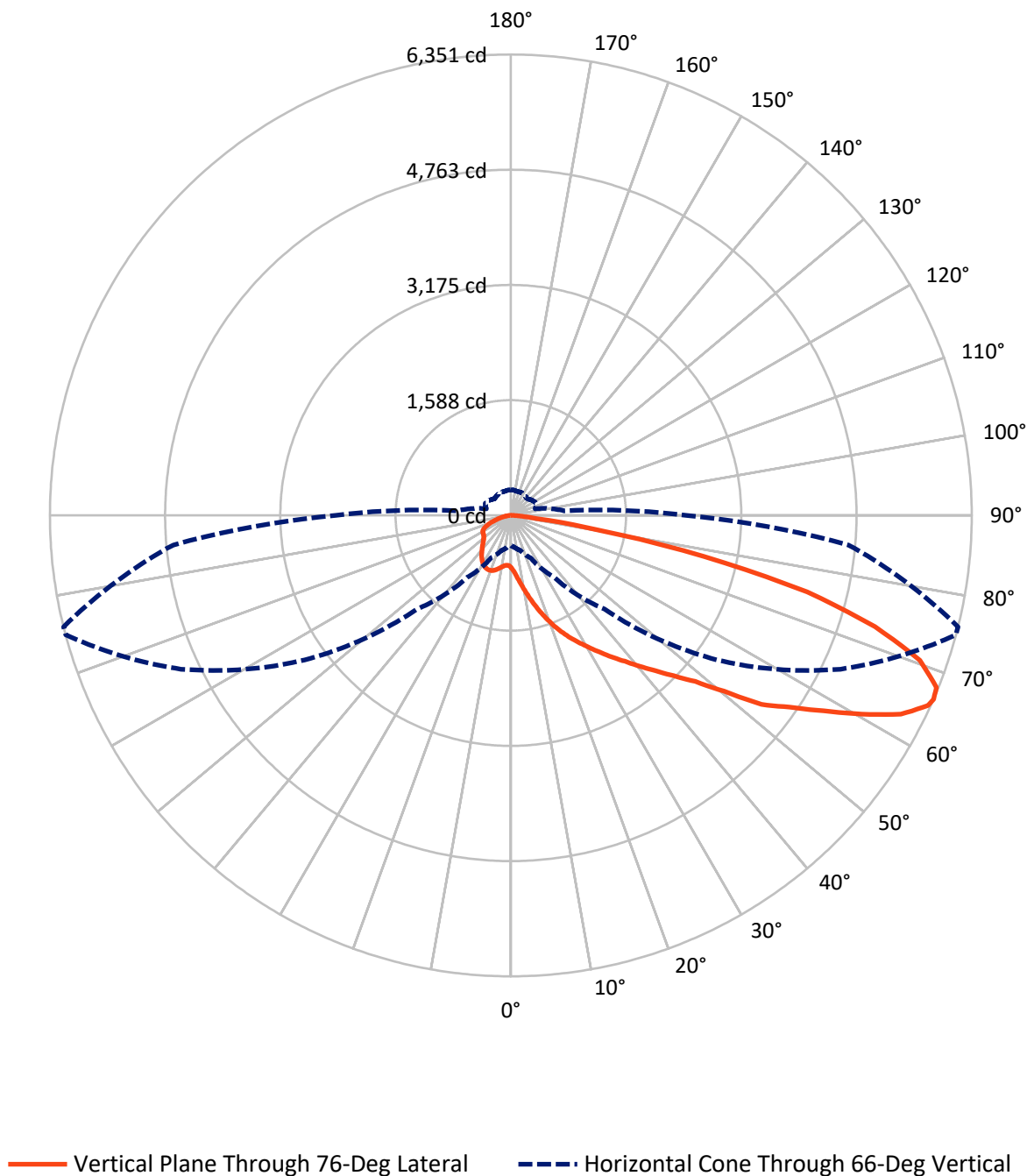


Based on 10 foot mounting height. Maximum calculated value = 19.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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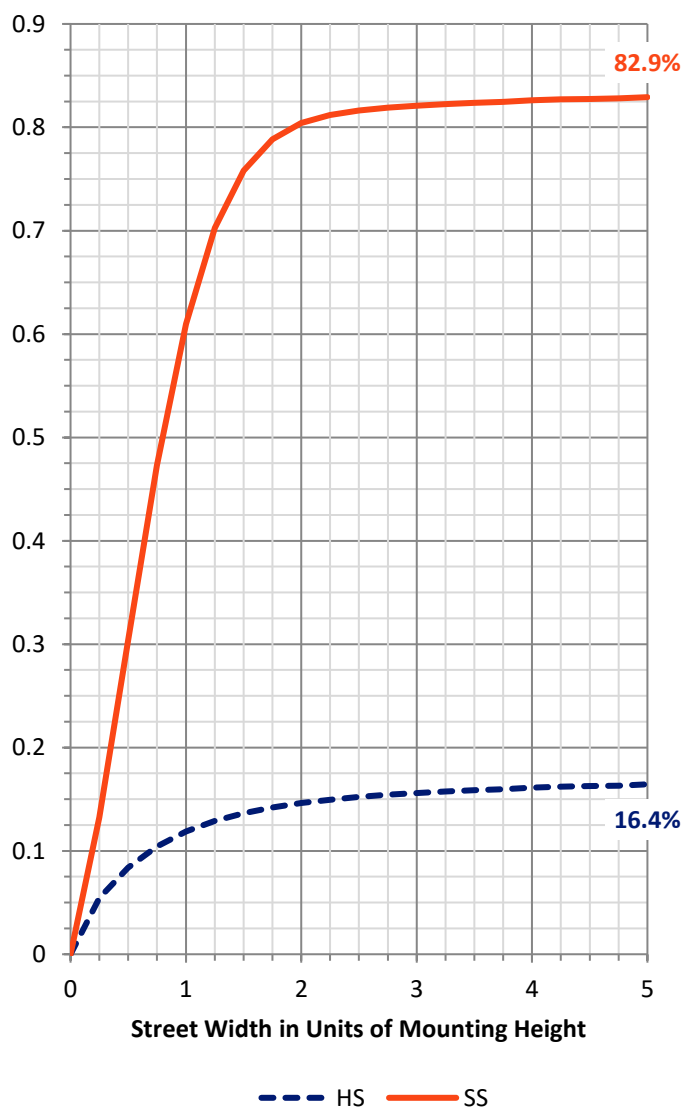
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1324.2	0.0	1324.2
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	6545.7	0.0	6545.7
	% Fixture	83.2	0.0	83.2
Total	Lumens	7870.0	0.0	7870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	1.1
10°-20°	343.2	4.4
20°-30°	666.9	8.5
30°-40°	1088.6	13.8
40°-50°	1487.3	18.9
50°-60°	1732.4	22.0
60°-70°	1553.1	19.7
70°-80°	784.9	10.0
80°-90°	126.7	1.6
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°	7870.0	100.0
0°-180°	7870.0	100.0

Coefficient of Utilization



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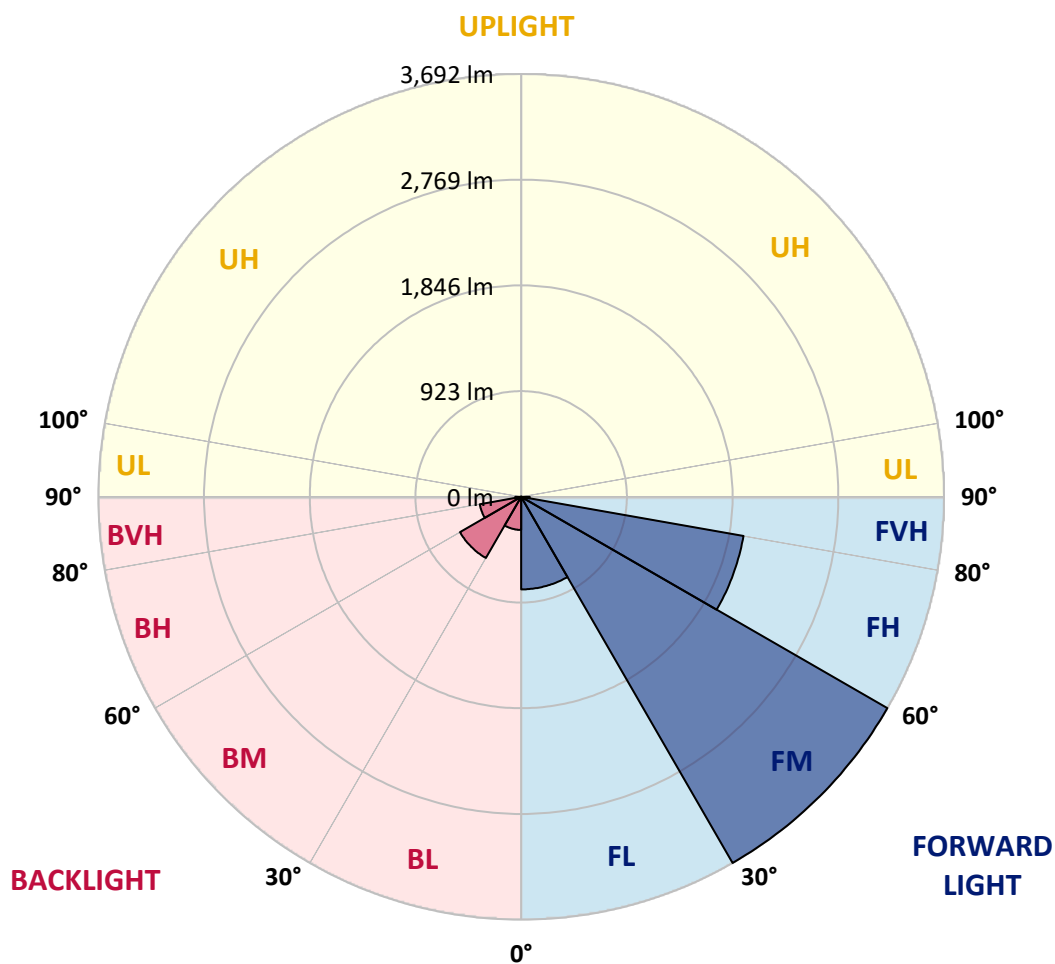
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	808.2	10.3			
FM	(30°-60°)	3691.6	46.9			
FH	(60°-80°)	1971.1	25.0			G2/5000
FVH	(80°-90°)	74.9	1.0			G1/100
BL	(0°-30°)	288.8	3.7	B1/500		
BM	(30°-60°)	616.7	7.8	B1/1000		
BH	(60°-80°)	366.9	4.7	B1/500		G1/500
BVH	(80°-90°)	51.9	0.7			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7
2.5°	954.1	939.7	938.3	917.2	912.4	872.1	842.4	811.4	776.2	769.2	741.4
5°	1225.5	1224.2	1205.8	1171.3	1144.3	1075.4	1007.3	935.1	856.0	843.2	780.7
7.5°	1469.7	1467.6	1453.4	1416.3	1377.3	1292.6	1195.4	1084.7	956.5	937.5	833.9
10°	1655.2	1654.4	1649.6	1622.3	1589.2	1508.0	1400.5	1249.6	1073.3	1047.3	900.4
12.5°	1798.4	1800.0	1803.2	1793.6	1777.8	1708.6	1598.5	1424.3	1197.8	1172.1	974.4
15°	1895.4	1900.2	1916.7	1930.4	1938.6	1896.2	1789.6	1603.1	1337.2	1306.5	1056.4
17.5°	1944.3	1949.6	1978.2	2019.3	2057.3	2053.0	1968.3	1773.5	1471.1	1441.4	1144.6
20°	1986.5	1990.5	2022.5	2072.0	2139.0	2168.7	2121.1	1937.6	1617.8	1582.5	1238.1
22.5°	2108.8	2113.9	2123.5	2151.6	2210.9	2265.4	2242.4	2092.8	1752.2	1719.3	1326.8
25°	2345.0	2351.2	2330.3	2306.5	2317.8	2355.7	2360.0	2234.4	1888.4	1851.3	1422.2
27.5°	2629.6	2638.4	2602.8	2541.7	2488.2	2473.5	2468.5	2350.4	2018.5	1975.5	1516.5
30°	2908.2	2923.5	2877.2	2797.9	2699.8	2630.9	2579.9	2463.9	2146.8	2105.6	1605.5
32.5°	3180.5	3174.3	3107.3	3029.8	2914.9	2828.6	2705.2	2585.7	2291.1	2243.8	1693.9
35°	3367.0	3369.1	3306.9	3215.0	3105.4	3039.1	2873.0	2717.2	2438.3	2394.7	1794.4
37.5°	3525.7	3515.8	3445.3	3359.5	3265.2	3236.9	3069.3	2862.0	2597.8	2550.2	1901.2
40°	3578.6	3567.1	3520.9	3459.2	3383.5	3381.1	3286.0	3026.1	2778.1	2731.1	2021.7
42.5°	3546.5	3531.8	3512.9	3496.0	3472.8	3483.5	3489.6	3218.4	2976.4	2923.7	2161.2
45°	3428.2	3406.0	3419.3	3455.9	3506.4	3566.8	3673.4	3431.4	3198.4	3154.3	2325.0
47.5°	3246.2	3226.2	3267.9	3346.1	3483.5	3636.3	3847.4	3666.5	3463.4	3419.6	2558.2
50°	2990.3	2996.1	3055.7	3198.1	3405.7	3668.4	4061.6	3977.7	3848.7	3807.8	2876.4
52.5°	2570.3	2571.3	2739.1	2972.9	3267.9	3651.8	4180.5	4375.6	4374.8	4325.3	3179.4
55°	2180.2	2204.0	2336.7	2647.5	3044.5	3585.5	4263.6	4569.0	4720.2	4662.3	3461.8
57.5°	1799.2	1813.1	1938.9	2251.0	2725.7	3408.9	4348.9	4801.2	5118.3	5081.7	3812.9
60°	1365.8	1387.2	1517.3	1805.6	2318.0	3095.5	4356.9	5043.5	5594.2	5557.3	4204.8
62.5°	886.5	923.4	1045.2	1315.3	1824.8	2644.8	4170.9	5202.0	6045.2	6032.1	4552.7
65°	509.5	537.3	622.0	830.4	1258.9	2078.9	3728.7	5141.0	6322.8	6315.3	4682.8
66°	416.3	433.6	498.6	649.0	1038.8	1825.6	3471.7	5012.5	6350.3	6350.6	4667.9
67.5°	332.9	340.7	369.8	464.6	766.5	1447.0	3012.4	4729.0	6316.1	6325.4	4571.4
70°	275.5	279.5	288.6	311.5	418.4	872.6	2138.2	3992.4	5972.8	5980.0	4195.0
72.5°	247.1	249.5	253.0	256.2	295.2	487.6	1306.0	3193.8	5236.7	5246.0	3621.3
75°	223.9	225.2	224.7	225.0	247.7	310.7	674.9	2384.6	4234.2	4215.5	2774.1
77.5°	196.6	198.0	195.3	195.8	219.1	238.9	335.8	1669.3	2857.5	2725.5	1563.0
80°	166.2	167.3	166.2	168.1	190.8	180.3	195.3	939.1	1263.5	1195.1	555.7
82.5°	125.6	130.1	133.3	140.8	157.1	128.2	130.6	365.8	384.7	366.3	170.5
85°	55.0	67.1	100.5	107.7	118.1	76.9	85.8	149.1	156.6	151.8	62.0
87.5°	14.4	15.8	49.7	62.5	65.5	34.7	44.6	67.9	71.6	67.9	20.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7
2.5°	726.7	713.6	690.1	669.3	653.5	642.8	632.1	626.8	623.6	620.4	620.9
5°	750.0	723.5	683.2	654.6	638.6	628.4	623.1	620.9	619.6	616.4	616.4
7.5°	785.0	747.6	692.0	662.6	650.0	642.3	639.1	638.0	636.4	632.7	633.2
10°	829.1	776.7	710.4	681.8	670.3	661.8	657.3	655.7	652.7	648.4	649.0
12.5°	880.9	812.8	734.7	704.8	690.9	679.4	672.0	667.4	662.3	656.7	657.0
15°	937.5	852.0	760.9	725.4	706.4	690.4	678.4	670.6	662.6	655.7	655.4
17.5°	995.0	890.0	781.0	736.6	711.0	689.9	673.6	661.5	651.6	643.1	642.3
20°	1057.0	924.2	792.2	735.5	702.4	677.3	655.7	640.7	629.7	621.2	619.9
22.5°	1120.0	956.2	794.1	724.6	683.4	652.7	630.0	613.4	602.2	593.4	590.2
25°	1177.7	981.1	786.3	703.5	657.0	623.9	601.7	584.9	575.8	565.3	562.1
27.5°	1230.4	998.4	770.8	676.5	627.3	594.7	573.9	559.5	549.6	541.6	538.9
30°	1277.6	1007.8	745.4	644.4	596.9	567.2	549.6	539.7	531.1	521.0	519.1
32.5°	1322.5	1007.8	712.8	609.4	566.7	542.9	532.5	526.3	516.7	506.8	504.2
35°	1367.4	1001.6	674.4	572.8	538.9	525.5	525.0	517.8	503.1	489.7	486.3
37.5°	1414.7	989.1	631.1	538.6	516.2	517.8	522.3	506.3	485.5	466.5	461.4
40°	1468.1	971.7	586.2	509.0	497.2	514.3	515.1	489.7	449.1	431.8	427.2
42.5°	1530.9	954.4	544.5	482.8	482.3	503.9	501.5	453.9	429.6	420.8	418.4
45°	1613.5	944.5	505.0	457.9	470.5	487.1	478.2	434.2	424.0	418.9	416.8
47.5°	1743.6	949.6	468.6	438.2	458.7	470.2	435.0	426.1	418.9	412.8	410.7
50°	1906.6	946.6	439.2	424.5	445.4	452.6	415.5	415.7	412.0	405.0	401.8
52.5°	2029.2	923.6	420.3	416.8	433.6	421.3	403.2	405.6	403.7	393.6	390.1
55°	2147.6	903.9	410.7	413.9	425.1	382.3	388.7	394.6	392.8	382.9	381.3
57.5°	2294.8	900.1	404.8	414.7	417.9	362.8	374.9	382.6	381.3	377.0	376.2
60°	2475.1	901.2	399.4	416.0	409.9	348.4	361.8	371.6	372.4	371.6	371.1
62.5°	2574.3	872.1	386.1	412.3	395.7	335.8	348.1	362.6	362.8	364.4	364.2
65°	2490.1	785.0	361.2	399.2	371.9	325.4	336.4	352.1	348.1	355.3	355.3
66°	2408.3	734.7	348.9	390.6	361.8	321.4	332.6	346.8	341.7	351.6	351.6
67.5°	2241.4	650.0	326.8	372.4	347.3	315.8	328.4	338.0	331.0	345.7	344.7
70°	1936.2	502.8	282.1	331.3	323.6	307.5	322.5	320.3	310.2	332.6	328.4
72.5°	1632.5	382.1	226.6	277.3	287.5	297.1	314.2	297.9	285.1	300.8	291.5
75°	1266.7	287.2	179.0	215.6	242.9	280.8	304.3	272.0	253.6	251.9	246.9
77.5°	684.8	197.2	141.9	164.6	192.9	260.5	297.6	244.2	216.4	210.0	206.0
80°	271.2	128.2	103.1	124.8	134.9	231.1	281.6	211.9	178.5	172.1	165.9
82.5°	111.9	75.9	66.5	83.6	87.9	197.7	252.8	173.7	137.9	190.8	202.5
85°	48.1	41.7	39.5	43.3	49.7	138.7	201.2	132.5	148.8	132.8	105.5
87.5°	14.4	17.6	16.8	16.6	18.2	33.1	107.1	73.7	109.3	41.4	31.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)