

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: P1208828

Luminaire Tested: UPW-SA2-070-740-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-740-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7086 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

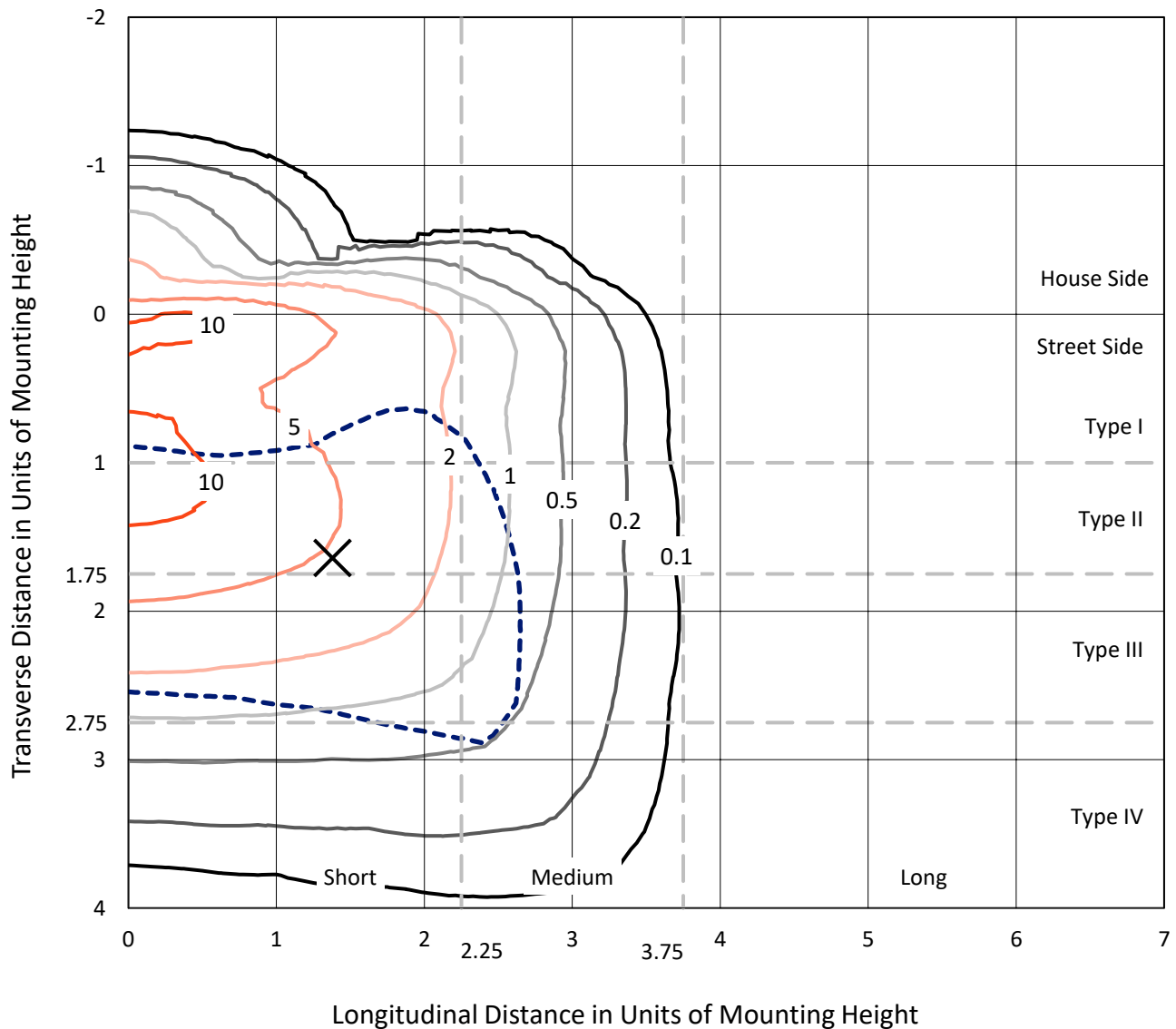


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

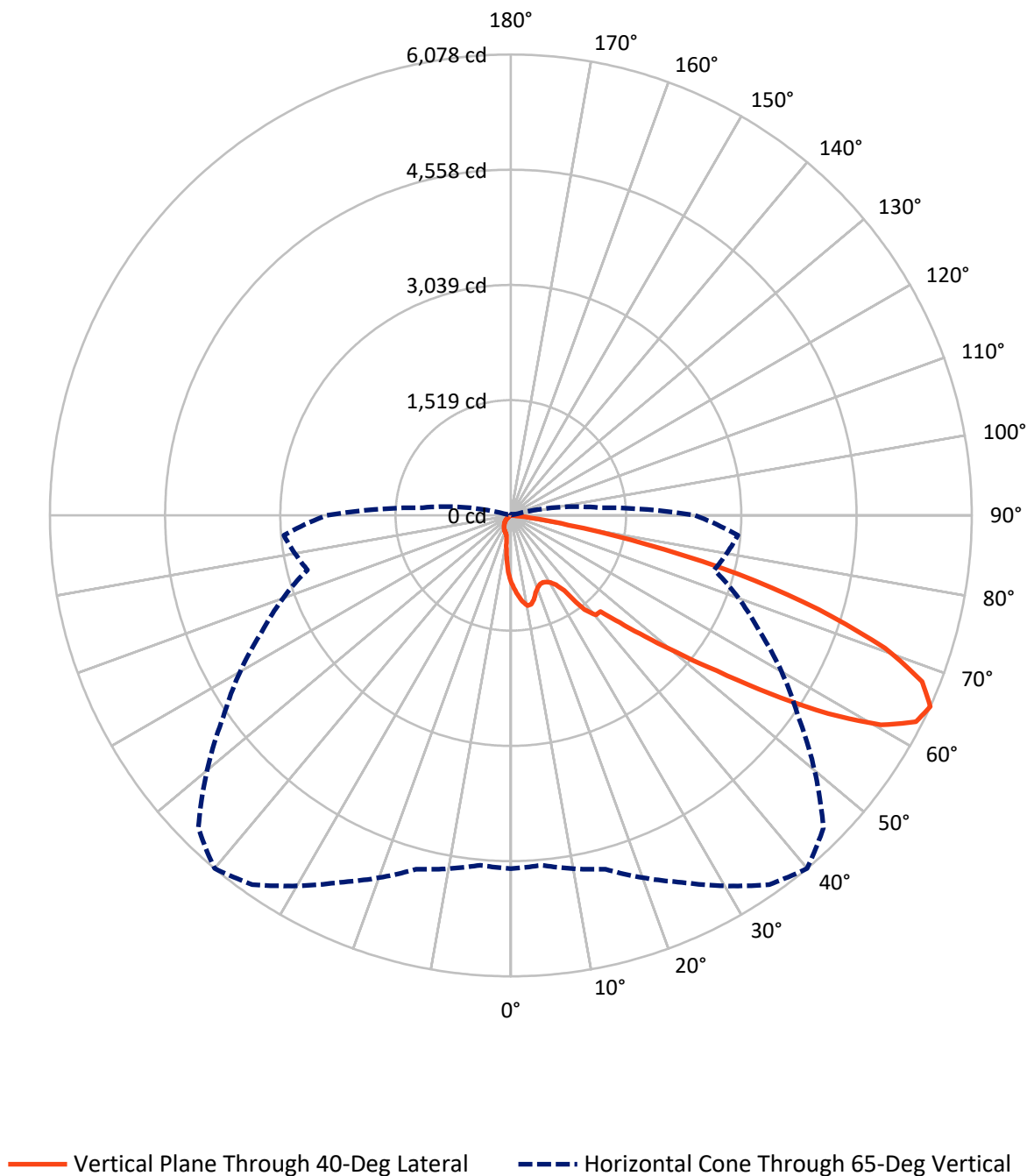


Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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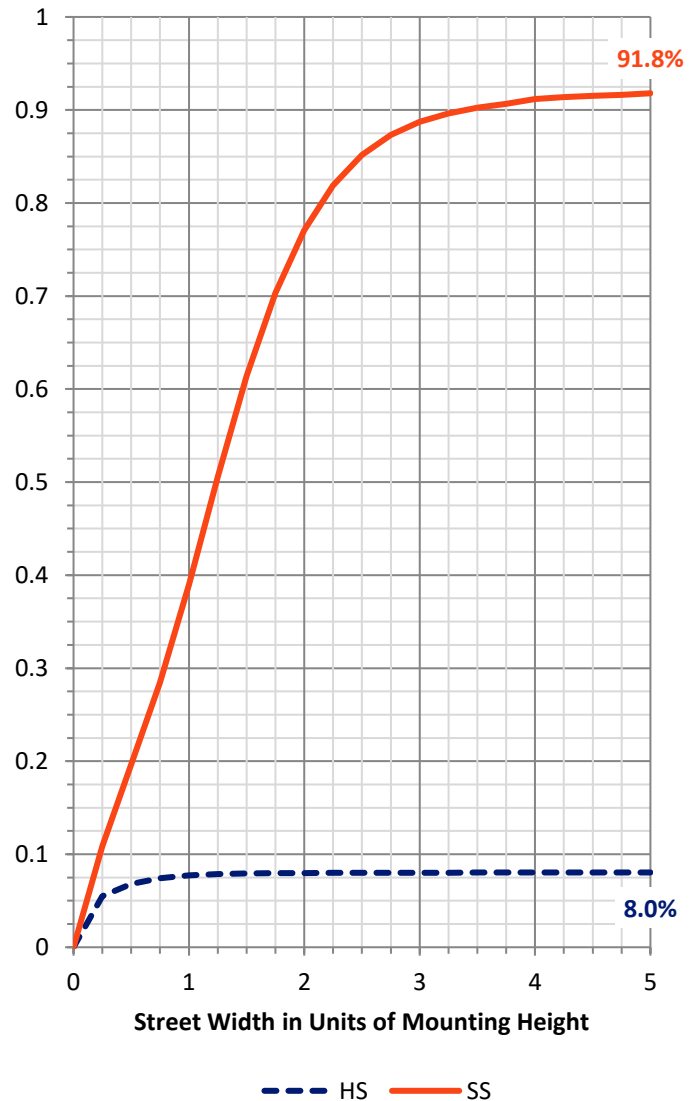
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	573.5	0.0	573.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	6512.5	0.0	6512.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	7086.0	0.0	7086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.1
10°-20°	228.2	3.2
20°-30°	356.2	5.0
30°-40°	590.3	8.3
40°-50°	1001.0	14.1
50°-60°	1763.1	24.9
60°-70°	2196.0	31.0
70°-80°	825.3	11.6
80°-90°	44.7	0.6
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°	7086.0	100.0
0°-180°	7086.0	100.0

Coefficient of Utilization



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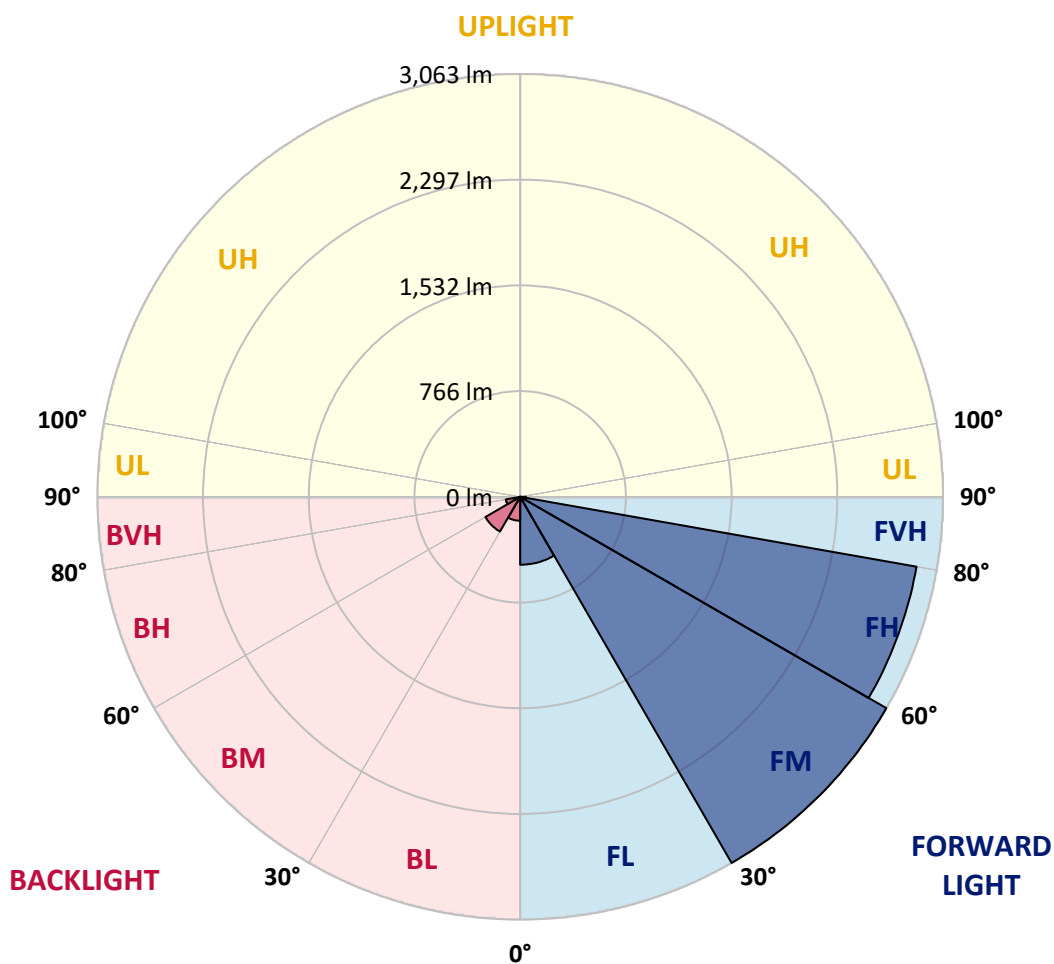
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	492.1	6.9			
FM	(30°-60°)	3063.2	43.2			
FH	(60°-80°)	2915.5	41.1			G2/5000
FVH	(80°-90°)	41.8	0.6			G1/100
BL	(0°-30°)	173.5	2.4	B1/500		
BM	(30°-60°)	291.2	4.1	B1/1000		
BH	(60°-80°)	105.8	1.5	B0/110		G0/110
BVH	(80°-90°)	2.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9
2.5°	1001.8	993.4	991.3	987.2	976.7	975.7	973.6	954.8	941.3	927.7	906.8
5°	1098.8	1092.6	1087.4	1086.3	1079.0	1069.6	1067.5	1041.4	1016.4	988.2	944.4
7.5°	1169.8	1163.5	1163.5	1163.5	1155.2	1152.1	1152.1	1124.9	1100.9	1058.1	998.7
10°	1184.4	1180.2	1184.4	1194.8	1205.3	1209.4	1213.6	1207.4	1187.5	1140.6	1068.6
12.5°	1147.9	1143.7	1147.9	1163.5	1183.4	1203.2	1229.3	1262.7	1270.0	1237.6	1143.7
15°	1111.4	1106.1	1097.8	1094.7	1115.5	1145.8	1181.3	1272.1	1338.8	1329.5	1230.3
17.5°	1088.4	1087.4	1067.5	1040.4	1042.5	1065.4	1111.4	1234.5	1372.2	1411.9	1310.7
20°	1066.5	1063.4	1041.4	1002.8	994.5	1015.3	1054.0	1182.3	1366.0	1488.1	1394.1
22.5°	1055.0	1050.8	1021.6	975.7	967.3	986.1	1020.6	1126.0	1334.7	1532.9	1473.5
25°	1068.6	1065.4	1023.7	970.5	963.2	978.8	1009.1	1095.7	1294.0	1549.6	1537.1
27.5°	1114.5	1108.2	1052.9	989.3	979.9	994.5	1019.5	1085.3	1258.5	1543.4	1588.2
30°	1271.0	1247.0	1164.6	1045.6	1016.4	1025.8	1045.6	1098.8	1235.5	1535.0	1645.6
32.5°	1574.7	1562.2	1424.4	1208.4	1097.8	1089.4	1103.0	1140.6	1251.2	1578.9	1752.1
35°	2102.7	2087.0	1891.9	1548.6	1262.7	1216.7	1208.4	1240.8	1370.1	1590.3	1769.8
37.5°	2513.9	2499.2	2335.4	2077.7	1724.9	1575.7	1478.7	1465.1	1377.5	1537.1	1791.7
40°	2714.2	2689.2	2449.2	2101.7	1838.7	1727.0	1619.5	1400.4	1302.3	1505.8	1848.1
42.5°	3198.4	3129.5	2846.7	2411.6	1936.8	1732.3	1542.3	1310.7	1329.5	1538.2	1935.7
45°	3736.9	3741.0	3398.8	2820.6	2258.2	2014.0	1776.1	1418.1	1426.5	1620.6	2051.6
47.5°	4357.8	4285.8	3923.7	3339.3	2659.9	2383.4	2117.3	1604.9	1564.2	1753.1	2207.1
50°	4809.6	4763.7	4481.9	3931.0	3155.6	2841.5	2491.9	1885.6	1789.6	1905.5	2364.6
52.5°	5059.0	5048.6	4907.7	4466.3	3769.2	3404.0	2946.9	2214.4	2065.1	2073.5	2481.5
55°	5255.2	5227.0	5220.8	5004.7	4463.2	4141.7	3546.9	2661.0	2414.7	2237.3	2598.4
57.5°	5452.4	5420.1	5447.2	5408.6	5209.3	4932.7	4267.0	3146.2	2719.4	2411.6	2738.2
60°	5455.5	5423.2	5499.4	5662.2	5750.9	5607.9	4997.4	3676.3	3055.4	2590.0	2928.1
62.5°	5204.1	5171.7	5302.1	5641.3	6011.7	5994.0	5564.1	4184.5	3390.4	2768.5	3085.7
65°	4656.2	4630.1	4829.4	5337.6	5941.8	6077.5	5828.1	4625.9	3617.9	2776.8	3004.3
67.5°	3551.1	3598.1	3936.2	4637.4	5578.7	5851.0	5790.5	4741.8	3506.2	2524.3	2694.4
70°	2291.6	2377.1	2754.9	3582.4	4747.0	5233.3	5264.6	4209.6	2934.4	2052.6	2024.4
72.5°	1219.9	1235.5	1584.1	2317.7	3609.6	4248.2	4295.1	3169.2	2007.7	1363.9	1105.1
75°	534.3	577.1	775.3	1303.4	2405.3	3112.8	2973.0	1899.2	1036.2	624.0	427.8
77.5°	192.0	207.7	301.6	637.6	1357.6	1822.0	1697.8	902.6	418.5	276.5	125.2
80°	92.9	93.9	121.0	243.1	567.7	768.0	667.9	319.3	191.0	155.5	49.0
82.5°	31.3	38.6	68.9	96.0	210.8	261.9	193.1	119.0	113.7	117.9	34.4
85°	0.0	1.0	34.4	52.2	54.3	61.6	49.0	52.2	69.9	71.0	11.5
87.5°	0.0	0.0	0.0	10.4	11.5	11.5	6.3	12.5	29.2	34.4	2.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9	884.9
2.5°	894.3	881.8	856.7	835.9	807.7	787.9	767.0	757.6	751.3	725.2	723.2
5°	920.4	892.2	834.8	772.2	710.6	650.1	592.7	560.4	532.2	520.7	507.2
7.5°	959.0	916.2	815.0	707.5	591.7	497.8	434.1	398.6	369.4	364.2	360.0
10°	1012.2	947.5	798.3	624.0	461.2	372.5	320.4	297.4	288.0	285.9	282.8
12.5°	1070.7	987.2	779.5	527.0	361.1	285.9	264.0	264.0	269.2	271.3	271.3
15°	1145.8	1033.1	744.0	440.4	290.1	250.4	249.4	253.6	258.8	260.9	261.9
17.5°	1211.5	1081.1	699.2	361.1	249.4	237.9	240.0	243.1	248.4	252.5	252.5
20°	1282.5	1124.9	653.2	297.4	229.6	226.4	228.5	232.7	239.0	242.1	243.1
22.5°	1345.1	1159.4	600.0	255.7	216.0	216.0	219.1	223.3	230.6	235.8	235.8
25°	1397.3	1186.5	542.6	227.5	203.5	204.5	207.7	213.9	221.2	226.4	227.5
27.5°	1438.0	1200.1	476.9	204.5	191.0	191.0	196.2	203.5	212.9	219.1	219.1
30°	1490.2	1220.9	426.8	187.8	177.4	177.4	181.6	191.0	203.5	211.8	211.8
32.5°	1568.4	1257.4	373.6	173.2	164.9	164.9	169.1	177.4	189.9	200.4	202.4
35°	1580.9	1240.8	319.3	161.7	153.4	152.4	154.4	161.7	172.2	179.5	182.6
37.5°	1600.8	1240.8	268.2	149.2	141.9	140.9	141.9	145.0	149.2	151.3	150.3
40°	1644.6	1249.1	225.4	138.8	131.5	129.4	128.4	127.3	123.1	117.9	116.9
42.5°	1713.5	1271.0	188.9	127.3	120.0	117.9	114.8	107.5	98.1	90.8	90.8
45°	1795.9	1290.8	158.6	117.9	109.6	107.5	98.1	86.6	75.1	69.9	69.9
47.5°	1897.1	1314.8	134.6	109.6	101.2	96.0	80.4	66.8	57.4	55.3	55.3
50°	2014.0	1329.5	113.7	100.2	92.9	83.5	63.7	52.2	44.9	43.8	43.8
52.5°	2095.4	1328.4	97.0	91.8	84.5	69.9	51.1	41.7	36.5	34.4	34.4
55°	2173.7	1313.8	81.4	81.4	73.0	56.4	41.7	34.4	29.2	27.1	26.1
57.5°	2268.6	1306.5	69.9	67.8	59.5	45.9	34.4	28.2	23.0	18.8	17.7
60°	2419.9	1319.0	58.4	54.3	47.0	36.5	28.2	21.9	16.7	11.5	10.4
62.5°	2521.2	1306.5	48.0	43.8	37.6	29.2	20.9	15.7	9.4	6.3	5.2
65°	2427.2	1166.7	40.7	35.5	30.3	23.0	15.7	10.4	4.2	1.0	0.0
67.5°	2098.5	931.9	34.4	29.2	24.0	17.7	11.5	6.3	1.0	0.0	0.0
70°	1525.6	628.2	30.3	24.0	18.8	14.6	8.3	3.1	0.0	0.0	0.0
72.5°	798.3	295.3	27.1	21.9	16.7	11.5	6.3	2.1	0.0	0.0	0.0
75°	279.7	106.4	25.0	20.9	14.6	9.4	5.2	2.1	0.0	0.0	0.0
77.5°	87.7	48.0	25.0	21.9	15.7	9.4	5.2	2.1	0.0	0.0	0.0
80°	39.7	31.3	23.0	20.9	14.6	9.4	5.2	1.0	0.0	0.0	0.0
82.5°	28.2	25.0	21.9	18.8	13.6	8.3	4.2	1.0	0.0	0.0	0.0
85°	10.4	8.3	8.3	10.4	9.4	5.2	2.1	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	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

(END OF REPORT)