

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: P1208868

Luminaire Tested: UPW-SA2-070-750-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-750-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTI
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7480 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

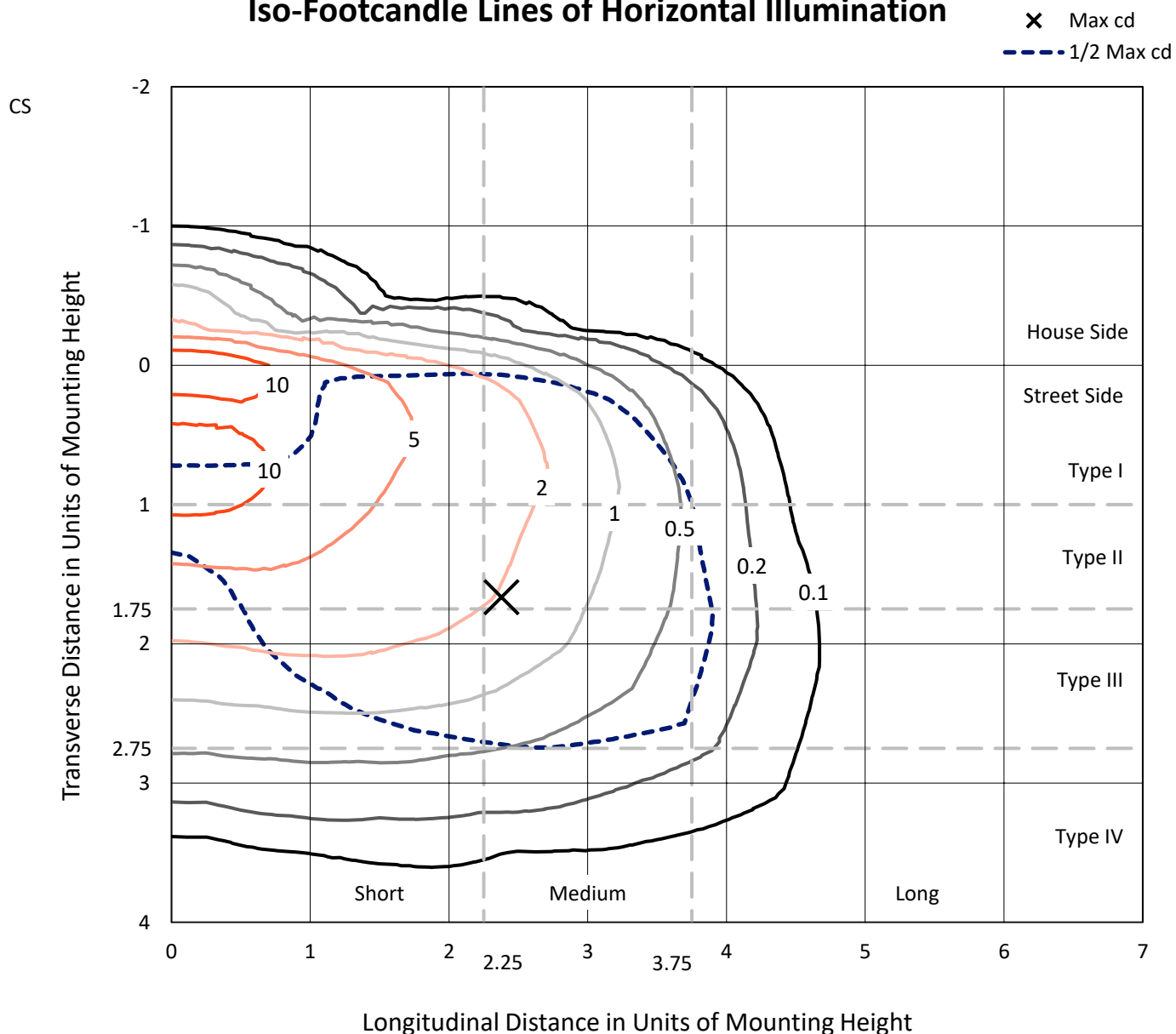
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

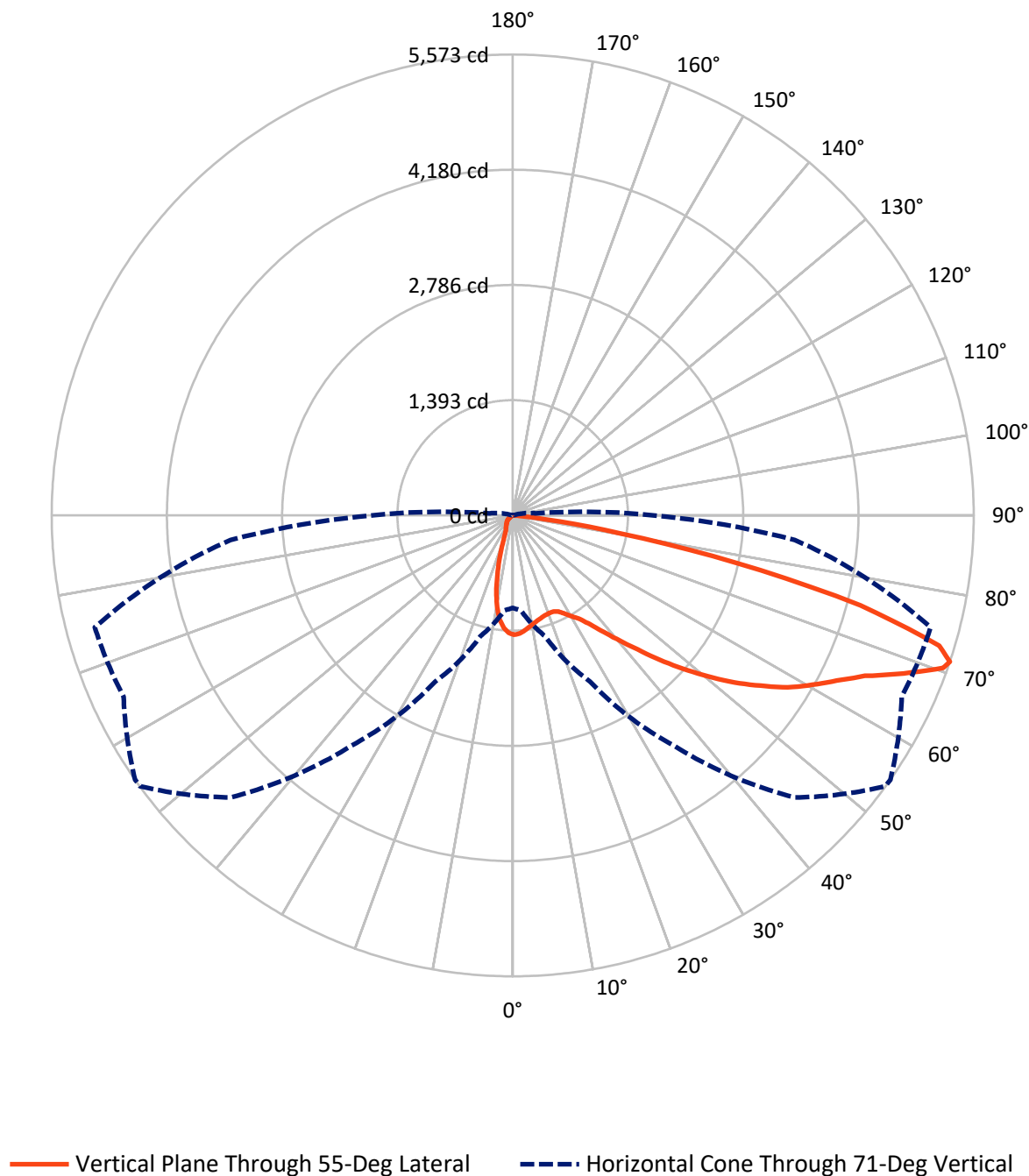


Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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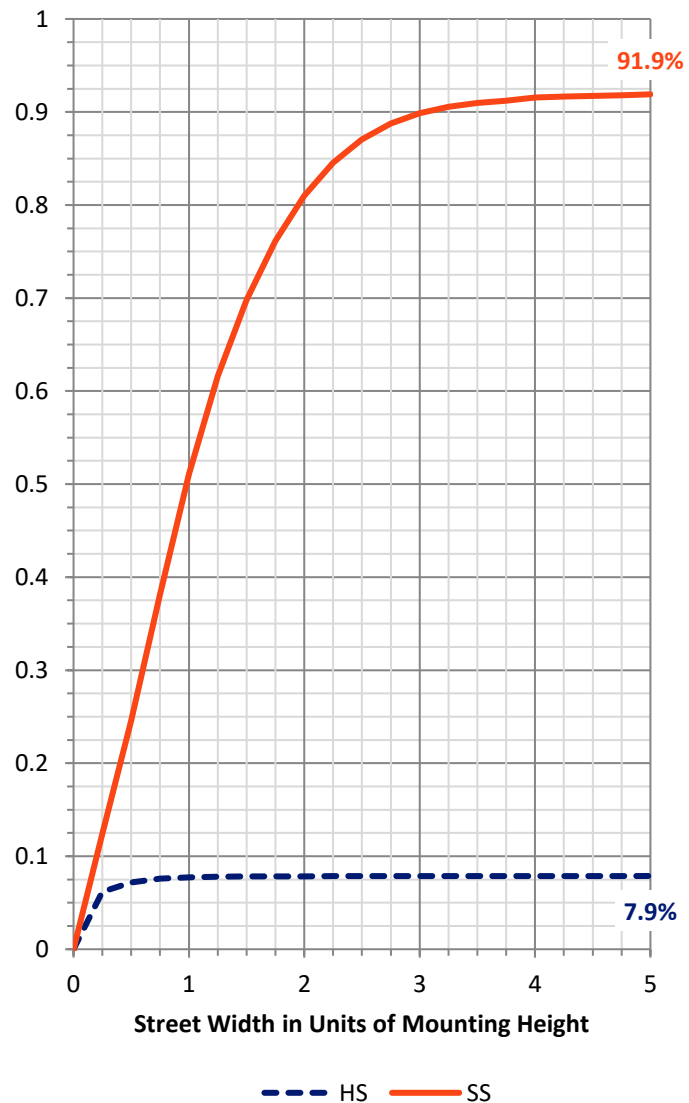
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.2	0.0	592.2
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	6887.8	0.0	6887.8
	% Fixture	92.1	0.0	92.1
Total	Lumens	7480.0	0.0	7480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	1.6
10°-20°	277.7	3.7
20°-30°	446.2	6.0
30°-40°	758.2	10.1
40°-50°	1176.8	15.7
50°-60°	1582.1	21.2
60°-70°	1935.5	25.9
70°-80°	1131.6	15.1
80°-90°	48.9	0.7
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°	7480.0	100.0
0°-180°	7480.0	100.0

Coefficient of Utilization



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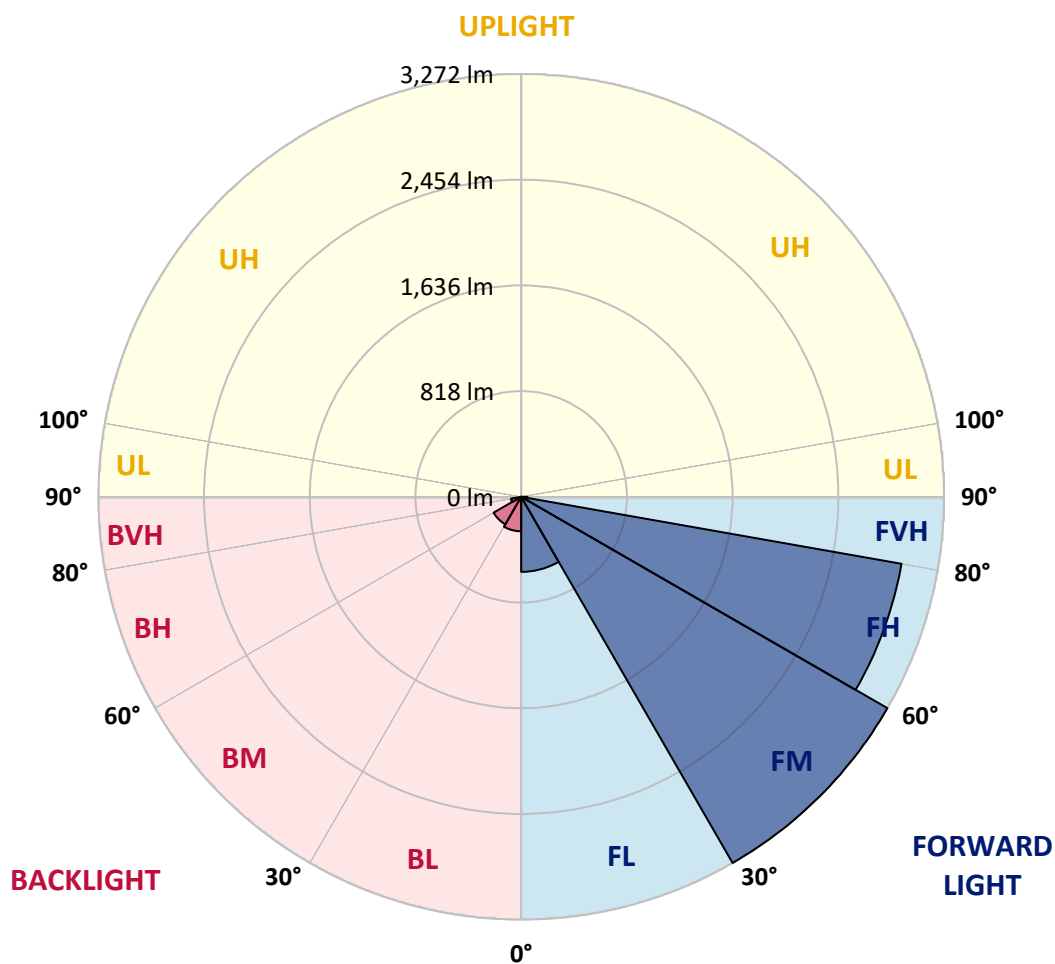
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	580.3	7.8			
FM	(30°-60°)	3271.5	43.7			
FH	(60°-80°)	2987.8	39.9			G2/5000
FVH	(80°-90°)	48.1	0.6			G1/100
BL	(0°-30°)	266.6	3.6	B1/500		
BM	(30°-60°)	245.5	3.3	B1/1000		
BH	(60°-80°)	79.3	1.1	B0/110		G0/110
BVH	(80°-90°)	0.8	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5
2.5°	1400.2	1401.9	1408.0	1410.6	1417.0	1427.8	1433.1	1433.5	1442.2	1445.6	1448.3
5°	1301.1	1311.2	1321.3	1332.0	1351.5	1377.4	1402.9	1405.3	1433.5	1454.3	1465.4
7.5°	1215.8	1224.9	1237.0	1254.1	1281.7	1322.3	1365.0	1370.0	1423.4	1470.8	1495.6
10°	1128.2	1135.6	1153.0	1178.2	1216.2	1270.6	1328.0	1336.4	1414.3	1492.9	1536.6
12.5°	1034.5	1038.8	1060.0	1096.3	1152.0	1221.2	1296.8	1307.9	1408.6	1518.5	1585.0
15°	963.3	965.3	985.4	1023.0	1086.9	1176.9	1272.6	1286.0	1410.0	1549.0	1637.7
17.5°	945.1	946.1	956.9	982.7	1039.2	1137.2	1253.5	1269.9	1414.0	1578.9	1690.7
20°	1018.7	1011.6	1000.5	996.5	1020.7	1113.4	1242.0	1260.5	1419.4	1605.4	1738.4
22.5°	1220.5	1199.7	1153.7	1092.2	1055.0	1115.1	1245.1	1263.5	1436.5	1638.0	1793.5
25°	1520.1	1491.2	1413.0	1292.1	1175.9	1163.4	1270.2	1289.1	1469.7	1677.0	1846.3
27.5°	1861.0	1832.5	1736.8	1564.1	1366.0	1259.2	1328.0	1345.5	1519.1	1711.6	1886.6
30°	2187.5	2179.4	2066.6	1870.4	1605.1	1414.3	1402.6	1417.4	1555.7	1732.4	1918.5
32.5°	2464.2	2451.5	2360.8	2170.0	1878.8	1600.7	1490.2	1494.6	1583.3	1759.3	1960.1
35°	2720.9	2705.1	2625.5	2445.1	2159.6	1828.5	1625.3	1618.9	1643.4	1813.3	2020.6
37.5°	2944.9	2959.3	2871.0	2699.4	2411.5	2065.2	1807.3	1788.2	1737.4	1901.3	2108.2
40°	3132.3	3132.3	3086.3	2943.2	2683.6	2310.1	2013.2	1988.0	1878.8	2037.0	2219.4
42.5°	3199.8	3214.2	3231.4	3150.4	2927.1	2564.7	2242.6	2216.4	2078.0	2229.5	2359.8
45°	3203.8	3226.7	3314.3	3314.0	3147.1	2817.6	2501.2	2488.8	2333.3	2476.7	2533.8
47.5°	3147.1	3175.6	3320.0	3402.0	3321.4	3053.0	2784.0	2768.5	2633.2	2779.6	2715.8
50°	3059.4	3091.0	3258.9	3436.6	3439.9	3257.9	3081.9	3058.7	2963.3	3125.9	2903.9
52.5°	2902.6	2963.7	3204.2	3444.6	3517.9	3434.9	3365.4	3355.3	3332.8	3459.4	3053.7
55°	2567.0	2634.9	3066.8	3447.3	3590.1	3591.8	3631.0	3633.7	3679.1	3771.1	3165.2
57.5°	2408.5	2446.8	2827.0	3460.1	3697.2	3769.8	3901.8	3922.6	3992.8	4067.0	3292.5
60°	2308.7	2354.1	2708.8	3442.6	3865.5	4003.2	4152.6	4159.7	4234.9	4372.3	3464.8
62.5°	2229.1	2273.8	2634.2	3375.5	4054.6	4284.0	4397.8	4398.5	4454.9	4736.0	3660.6
65°	2032.7	2070.3	2483.4	3299.9	4179.5	4561.7	4682.6	4678.3	4724.3	5119.6	3888.0
67.5°	1748.5	1777.4	2175.4	3013.4	4132.5	4814.3	5112.6	5098.1	5042.4	5451.1	3977.3
70°	1351.9	1362.3	1714.6	2511.3	3691.8	4911.4	5528.0	5520.6	5237.5	5391.7	3649.9
71°	1117.4	1151.7	1511.1	2216.4	3396.6	4821.7	5568.3	5572.7	5188.5	5229.8	3424.5
72.5°	648.9	678.1	1095.3	1702.2	2883.7	4447.5	5359.4	5391.0	4959.4	4756.9	2925.1
75°	139.0	148.8	406.1	823.9	1586.3	3117.2	4230.2	4342.7	4042.1	3236.1	1763.0
77.5°	96.7	104.5	174.0	373.8	524.3	1540.3	2627.8	2754.8	2414.9	1216.2	564.3
80°	76.6	85.3	135.7	184.7	141.7	496.7	1230.9	1308.5	805.4	271.4	95.1
82.5°	42.7	50.7	105.8	99.8	54.4	94.4	344.6	389.6	161.2	54.7	22.5
85°	12.4	15.1	68.2	72.5	23.2	18.1	58.8	72.9	30.6	14.4	10.1
87.5°	0.0	0.0	32.9	27.9	6.7	2.7	5.4	6.0	6.0	6.0	6.7
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°	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5
2.5°	1448.3	1450.6	1442.2	1431.1	1419.4	1404.9	1389.8	1378.1	1377.7	1372.0	1366.3
5°	1466.1	1464.7	1441.5	1406.3	1364.6	1321.3	1280.0	1233.3	1217.9	1198.7	1192.3
7.5°	1499.0	1489.6	1440.5	1363.3	1271.9	1181.2	1087.5	993.2	952.9	916.6	910.2
10°	1540.3	1522.5	1434.1	1298.8	1131.2	963.9	822.5	694.2	637.8	594.5	592.5
12.5°	1583.3	1556.1	1416.3	1201.4	946.8	711.7	548.8	422.5	375.5	345.3	348.0
15°	1628.3	1587.6	1378.1	1070.1	736.9	483.0	337.2	263.0	244.2	236.4	238.5
17.5°	1674.3	1609.5	1324.7	911.9	529.7	311.7	233.4	212.6	212.6	214.3	215.0
20°	1714.3	1621.2	1246.1	734.5	359.0	227.0	204.2	201.2	202.9	205.6	205.9
22.5°	1753.9	1621.9	1143.6	554.9	251.2	198.8	194.5	193.1	194.1	197.2	197.5
25°	1786.1	1613.8	1015.3	394.6	200.5	187.4	185.4	184.7	185.4	189.1	189.1
27.5°	1799.2	1584.6	858.8	277.4	179.7	174.7	174.0	174.7	175.7	178.3	178.7
30°	1800.6	1533.6	688.2	200.8	162.9	157.5	158.9	161.2	160.2	159.5	160.2
32.5°	1803.9	1474.5	521.9	165.2	148.8	140.4	138.7	138.7	134.7	132.3	131.0
35°	1815.0	1404.9	378.5	148.5	134.3	124.6	118.2	110.8	103.1	99.1	98.1
37.5°	1832.5	1332.0	271.0	137.4	121.6	110.5	98.4	85.3	74.2	71.2	71.2
40°	1864.4	1256.8	200.5	128.6	111.5	97.7	79.6	62.5	52.4	50.7	50.7
42.5°	1914.8	1177.5	159.9	120.9	102.8	84.6	60.8	45.3	38.0	36.9	36.6
45°	1967.2	1090.2	139.7	113.5	93.4	69.5	45.0	33.6	29.2	28.2	28.2
47.5°	2019.6	997.2	130.0	106.5	84.3	54.1	33.6	26.5	24.5	24.5	24.9
50°	2063.9	900.1	122.9	98.7	72.5	41.0	26.5	22.5	21.8	23.2	23.5
52.5°	2075.0	804.7	114.2	89.0	58.1	31.2	21.8	19.8	19.8	19.8	19.8
55°	2068.3	730.8	102.8	76.9	43.0	24.9	18.8	17.5	17.1	17.1	17.1
57.5°	2091.1	687.2	82.3	59.8	30.9	20.2	16.5	15.4	14.8	14.4	14.4
60°	2137.1	658.6	58.8	43.0	23.2	16.8	14.1	13.1	12.1	11.4	11.4
62.5°	2198.2	633.8	43.7	31.9	17.8	13.4	11.8	10.7	9.4	8.7	8.7
65°	2245.3	589.4	33.3	23.8	13.4	10.7	9.1	8.7	6.7	6.0	5.7
67.5°	2173.4	492.0	26.9	17.5	10.1	8.4	7.1	6.7	4.0	3.4	3.4
70°	1864.1	342.6	21.5	12.8	7.4	6.7	5.7	4.4	3.0	2.7	2.7
71°	1690.4	286.2	19.5	10.7	6.4	6.4	5.4	3.7	2.7	2.4	2.4
72.5°	1404.3	203.2	16.5	8.4	5.7	6.7	5.7	3.4	2.7	2.4	2.0
75°	815.1	85.0	11.4	5.7	4.4	8.1	7.4	3.0	2.0	1.7	1.7
77.5°	245.2	31.2	6.4	3.7	3.4	7.1	8.4	2.7	1.0	0.3	0.3
80°	44.7	13.4	4.0	2.4	2.4	4.4	6.4	1.3	0.0	0.0	0.0
82.5°	15.8	6.7	2.4	1.3	1.0	2.0	3.0	0.0	0.0	0.0	0.0
85°	9.1	4.7	1.3	0.7	0.0	0.3	0.7	0.0	0.0	0.0	0.0
87.5°	6.0	1.3	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)