

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P287034

Luminaire Tested: **USSL-C01-D-U-T4-AP-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-9)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C01-D-U-T4-AP-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6698.6 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 52
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

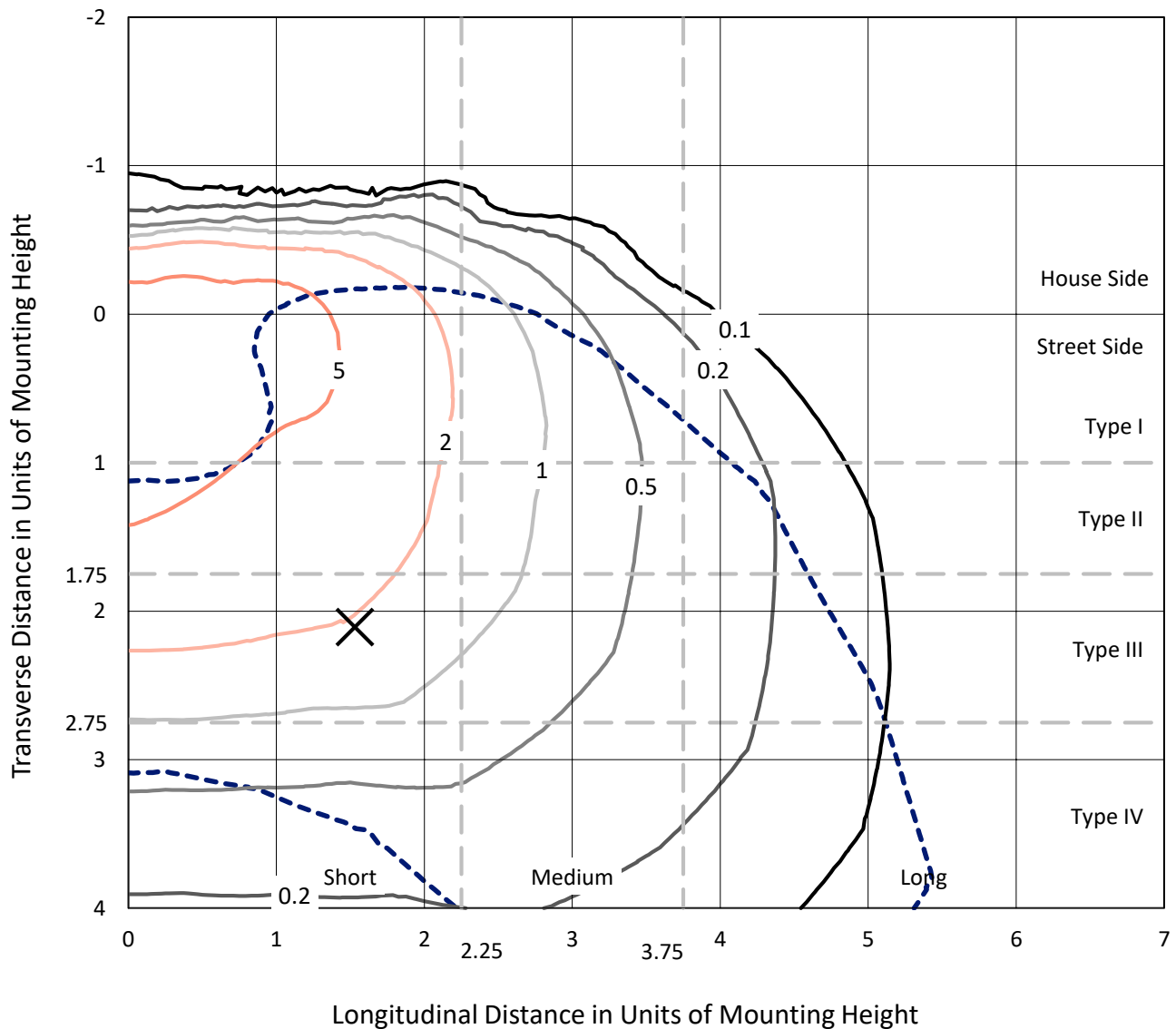


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

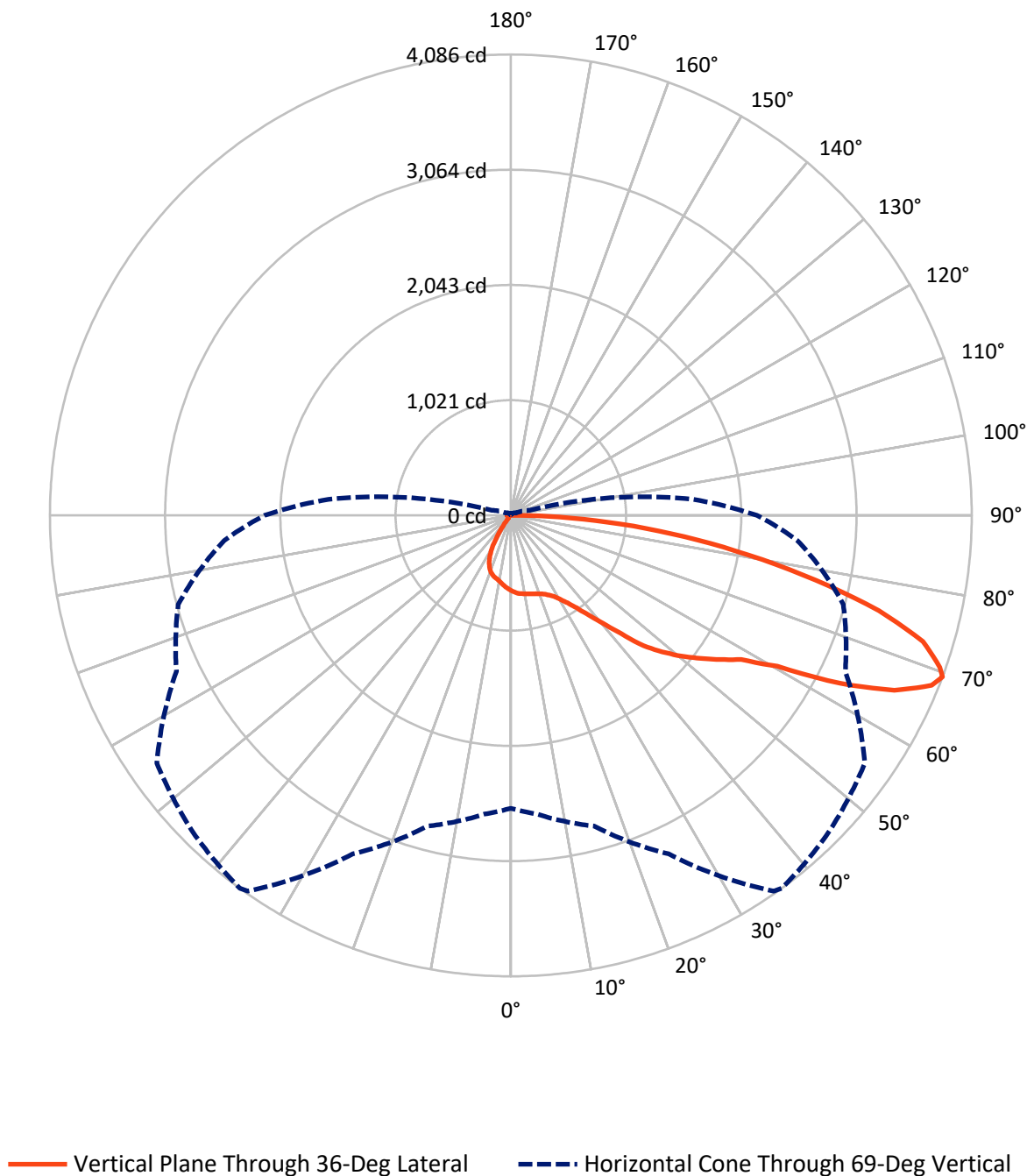


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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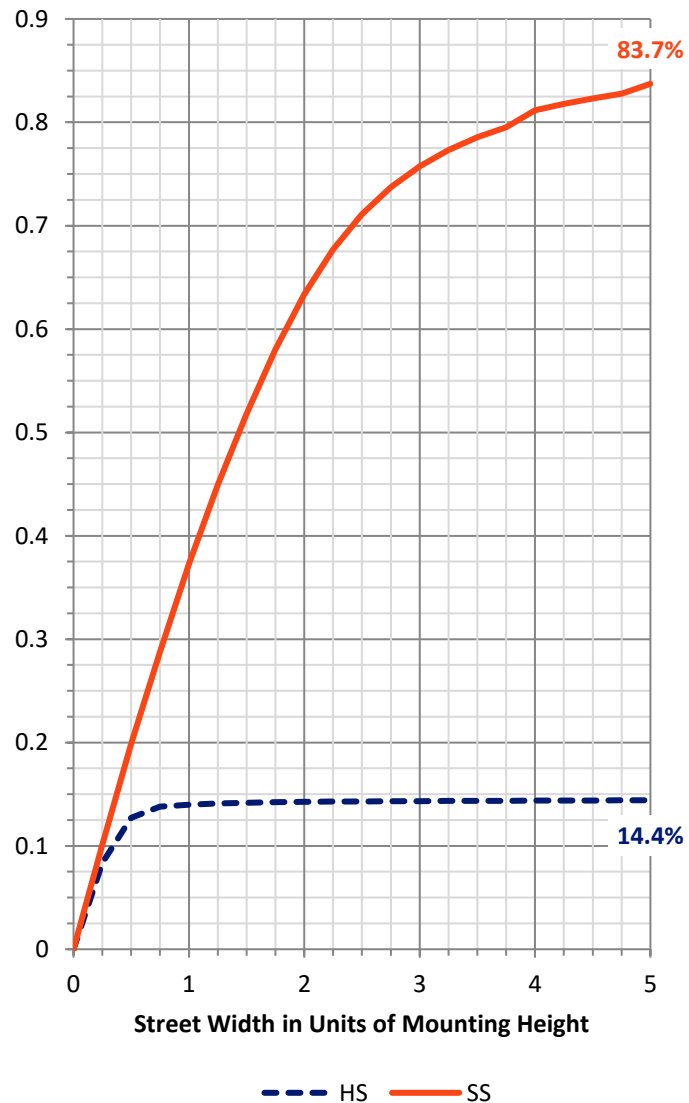
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	976.7	0.0	976.7
	% Fixture	14.6	0.0	14.6
Street Side	Lumens	5721.9	0.0	5721.9
	% Fixture	85.4	0.0	85.4
Total	Lumens	6698.6	0.0	6698.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	0.9
10°-20°	189.1	2.8
20°-30°	316.9	4.7
30°-40°	512.5	7.7
40°-50°	904.0	13.5
50°-60°	1317.7	19.7
60°-70°	1740.4	26.0
70°-80°	1338.2	20.0
80°-90°	316.4	4.7
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°	6698.6	100.0
0°-180°	6698.6	100.0

Coefficient of Utilization



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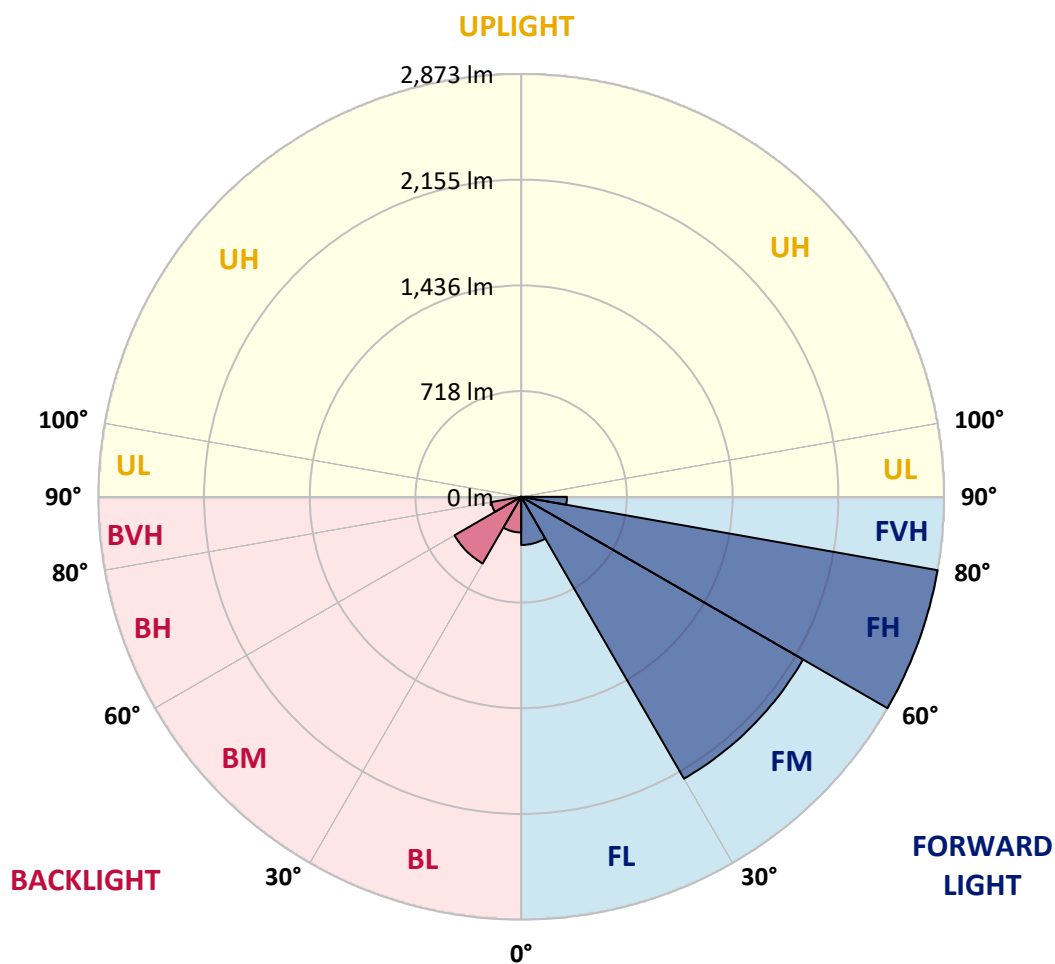
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.4	4.9			
FM	(30°-60°)	2211.2	33.0			
FH	(60°-80°)	2872.7	42.9			G2/5000
FVH	(80°-90°)	310.5	4.6			G3/500
BL	(0°-30°)	241.9	3.6	B1/500		
BM	(30°-60°)	523.0	7.8	B1/1000		
BH	(60°-80°)	205.9	3.1	B1/500		G1/500
BVH	(80°-90°)	5.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5°	692.0	693.1	689.9	682.3	680.5	681.2	681.9	677.6	672.8	670.7	665.6
5°	704.3	704.7	703.2	696.4	694.6	694.6	693.8	688.7	684.1	681.2	673.9
7.5°	707.6	707.2	707.9	700.7	702.5	699.2	701.4	696.4	692.0	688.1	681.5
10°	712.7	713.4	712.7	706.8	707.6	708.3	707.9	704.3	704.0	703.6	692.4
12.5°	710.1	709.7	711.9	708.3	713.4	714.1	722.0	723.8	725.7	725.7	714.1
15°	708.3	704.3	713.4	710.5	720.9	722.0	734.0	744.8	747.0	747.8	743.4
17.5°	710.9	710.1	722.7	717.3	732.2	729.6	741.2	760.4	770.5	775.6	778.1
20°	721.7	724.5	735.0	729.6	741.9	741.9	754.6	775.2	794.4	807.0	809.6
22.5°	738.3	739.4	751.7	746.3	756.0	757.1	768.0	792.3	818.2	839.7	850.5
25°	756.0	755.3	765.5	765.8	778.8	782.1	791.5	811.0	845.4	873.3	902.9
27.5°	782.1	780.6	792.6	789.0	813.3	812.8	823.6	846.9	885.5	922.1	967.3
30°	824.4	820.8	828.0	833.8	861.3	862.4	872.2	895.0	934.0	987.2	1042.2
32.5°	892.8	895.7	895.0	887.8	922.4	924.7	948.5	985.4	1025.2	1089.3	1153.6
35°	1036.8	1036.4	1016.9	998.4	1001.7	1008.2	1039.3	1105.9	1187.3	1338.4	1395.3
37.5°	1215.8	1224.5	1190.2	1137.0	1119.6	1118.5	1145.6	1244.4	1377.6	1669.4	1692.2
40°	1452.8	1436.5	1394.9	1313.1	1269.3	1257.0	1266.2	1382.2	1586.7	1951.6	1930.0
42.5°	1613.8	1621.0	1575.4	1505.6	1440.5	1431.1	1409.8	1533.8	1813.1	2176.6	2115.9
45°	1806.9	1821.4	1771.1	1721.6	1655.7	1649.9	1617.7	1690.1	2030.9	2343.4	2261.3
47.5°	1975.1	1985.3	1905.0	1858.6	1811.3	1806.6	1776.2	1847.8	2220.1	2480.5	2380.3
50°	2156.4	2164.7	2077.2	2011.4	1966.4	1962.1	1945.1	2024.7	2411.8	2610.0	2478.7
52.5°	2387.5	2356.5	2250.1	2160.4	2110.5	2104.6	2113.0	2201.2	2593.4	2703.4	2557.5
55°	2658.1	2573.4	2437.5	2325.3	2250.8	2254.7	2264.6	2380.6	2747.8	2793.8	2616.9
57.5°	2821.2	2826.0	2723.9	2558.6	2417.2	2409.3	2402.1	2543.4	2873.4	2894.0	2674.4
60°	3039.4	3054.2	3040.9	2938.9	2748.2	2714.2	2596.2	2725.0	3006.5	2975.0	2708.8
62.5°	3205.1	3229.3	3307.4	3244.6	3266.6	3281.0	2956.6	2942.5	3128.7	3030.4	2716.0
65°	3167.1	3190.3	3350.6	3474.2	3707.2	3737.9	3656.2	3219.2	3224.2	3054.9	2692.9
67.5°	2879.5	2903.4	3098.7	3432.0	3987.9	4022.6	3935.4	3699.6	3271.7	3056.0	2633.9
69°	2596.2	2657.8	2850.9	3310.0	4066.4	4085.9	3979.9	3830.6	3271.0	3051.7	2550.6
70°	2427.0	2476.1	2695.4	3169.3	4025.5	4034.9	3953.2	3883.4	3258.7	3013.7	2472.5
72.5°	1951.3	1940.5	2173.7	2686.7	3827.6	3821.9	3830.9	3812.5	3236.2	2874.8	2143.0
75°	1414.4	1418.5	1634.4	2114.1	3328.1	3370.4	3551.3	3660.9	3018.1	2507.3	1576.8
77.5°	1005.3	1013.6	1199.2	1618.5	2743.1	2763.1	3094.8	3211.3	2539.5	1972.6	859.5
80°	672.8	680.1	853.7	1193.4	2095.2	2140.5	2502.2	2528.3	1921.9	1220.9	155.6
82.5°	420.7	424.3	558.9	850.1	1528.8	1550.8	1718.3	1668.1	999.2	272.1	46.3
85°	241.2	245.6	342.6	538.3	965.5	973.8	1085.7	825.1	239.4	36.6	25.3
87.5°	69.1	74.2	141.8	232.2	435.5	432.3	405.2	270.3	38.7	16.6	12.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5°	661.6	667.1	660.5	655.9	650.5	651.1	651.1	644.9	644.9	653.6	654.8
5°	670.0	673.9	662.8	653.6	642.1	639.5	632.3	625.1	622.6	630.2	631.3
7.5°	677.6	675.4	662.0	647.5	632.3	620.4	611.4	599.4	594.0	602.7	604.1
10°	685.1	678.7	664.9	647.5	623.3	605.9	592.6	571.2	565.5	569.8	571.9
12.5°	706.1	697.4	681.5	651.5	624.0	600.5	574.5	547.7	534.0	539.0	541.9
15°	737.3	724.2	707.6	670.7	632.7	598.7	563.2	520.9	495.9	493.1	493.8
17.5°	774.2	760.4	738.3	693.5	644.9	598.7	546.3	493.1	451.8	439.9	441.3
20°	811.4	796.2	778.5	719.9	656.6	589.6	525.3	455.8	396.8	369.7	369.7
22.5°	854.1	843.3	813.6	740.9	660.5	575.5	493.1	405.5	333.1	293.4	291.9
25°	909.4	899.6	845.1	757.5	657.2	557.8	451.4	346.2	256.5	216.0	213.8
27.5°	971.3	952.1	875.8	769.8	646.1	529.2	396.1	270.9	178.7	140.3	138.5
30°	1040.0	1012.2	899.3	767.6	625.4	481.1	331.0	182.0	104.2	78.9	78.9
32.5°	1138.8	1088.1	927.2	762.6	596.9	423.6	243.1	107.8	52.0	40.2	40.2
35°	1331.6	1236.5	969.5	748.8	550.6	347.6	153.0	48.4	28.6	28.2	28.2
37.5°	1590.3	1427.8	1037.5	728.6	486.9	252.9	76.3	26.8	26.8	27.5	27.1
40°	1817.1	1634.0	1128.3	697.8	417.1	159.5	34.8	25.6	27.1	28.2	28.2
42.5°	1985.6	1793.1	1216.2	653.0	333.1	81.4	28.9	24.9	26.1	26.4	26.8
45°	2128.5	1927.0	1286.4	596.2	243.8	38.7	28.9	24.6	24.6	24.6	24.9
47.5°	2238.1	2025.0	1334.5	529.2	151.6	32.5	30.4	24.3	22.8	22.0	22.5
50°	2323.8	2093.4	1351.5	454.7	74.8	33.0	29.7	22.8	19.9	20.2	20.7
52.5°	2384.2	2148.7	1333.4	361.7	38.7	34.8	30.0	22.0	17.7	18.8	18.8
55°	2440.3	2162.5	1287.5	257.2	34.8	35.1	30.0	20.2	15.2	17.4	18.4
57.5°	2454.4	2162.2	1215.5	161.7	37.3	33.3	28.6	19.9	14.5	17.4	18.1
60°	2475.4	2144.5	1116.7	98.8	39.1	30.7	26.8	18.8	13.8	14.5	15.2
62.5°	2452.6	2114.1	968.7	65.5	37.6	28.6	26.1	18.1	12.0	10.8	10.5
65°	2408.2	2012.4	731.1	52.8	35.1	27.9	23.5	15.9	9.8	6.9	6.5
67.5°	2304.3	1819.2	386.8	49.9	33.0	27.5	21.0	14.8	7.9	4.0	3.6
69°	2182.0	1623.6	175.4	50.7	38.4	27.5	21.3	13.0	7.2	2.9	2.5
70°	2054.4	1444.9	79.9	49.2	41.5	28.9	21.0	12.0	6.5	2.5	2.1
72.5°	1584.4	898.3	54.6	43.8	46.3	28.2	21.0	11.2	6.1	1.5	1.1
75°	940.6	222.8	49.2	34.8	44.1	34.3	25.3	12.3	5.4	0.7	0.0
77.5°	243.8	62.2	41.5	26.4	39.1	38.7	29.3	12.3	5.4	0.0	0.0
80°	63.0	47.8	35.8	17.0	30.7	37.6	23.8	13.8	4.3	0.0	0.0
82.5°	37.6	34.8	39.1	10.5	24.6	25.3	14.1	9.8	4.7	0.0	0.0
85°	21.7	30.0	27.5	7.9	4.7	2.5	5.8	10.8	4.7	0.0	0.0
87.5°	12.6	16.3	6.1	1.1	1.1	0.7	0.3	1.5	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)