

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: P287042

Luminaire Tested: **USSL-C01-D-U-T4-AP-7050-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287042
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-7050-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 6946.6 lumens
Efficiency: N/A
Efficacy: 133.6 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

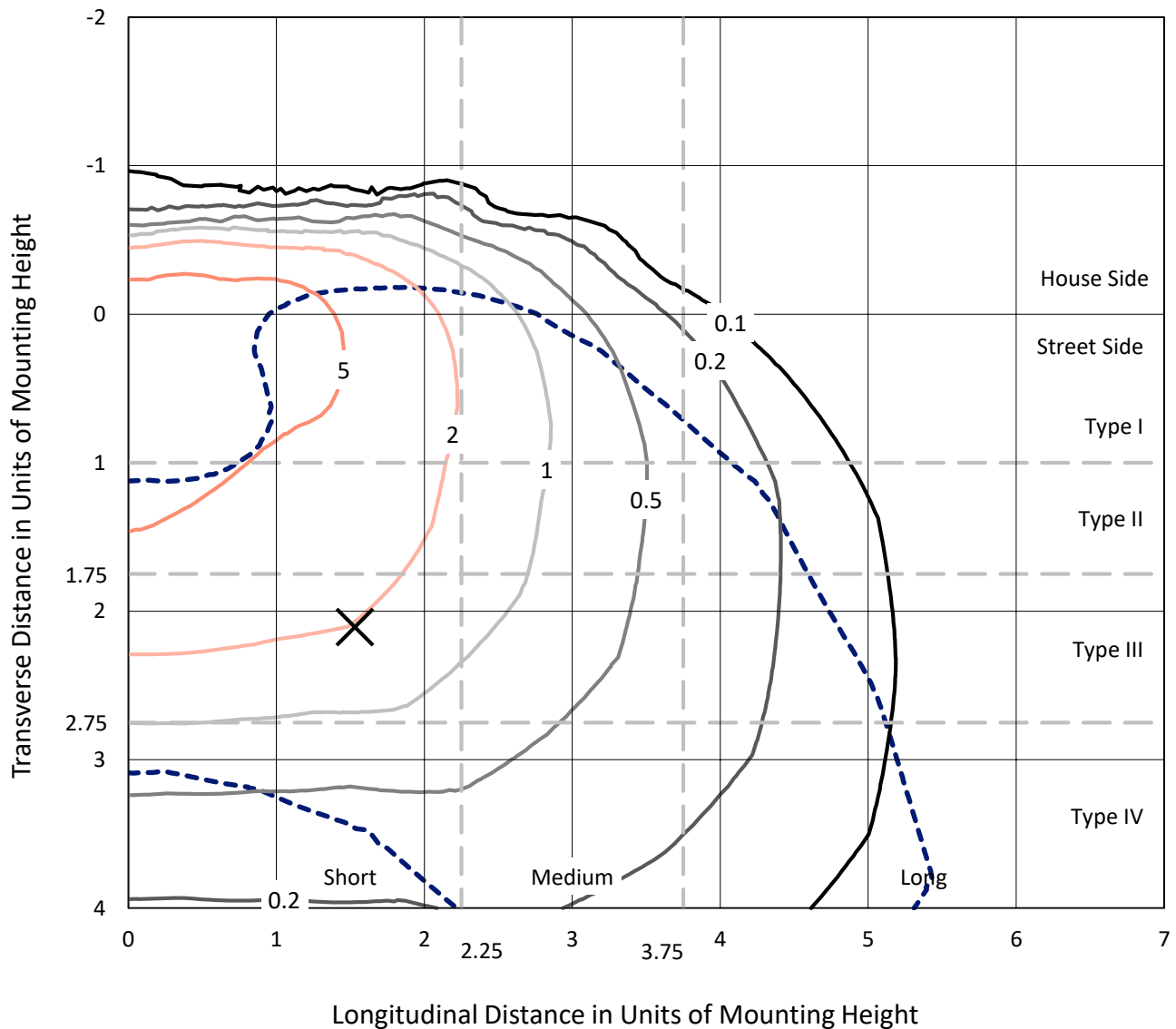


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

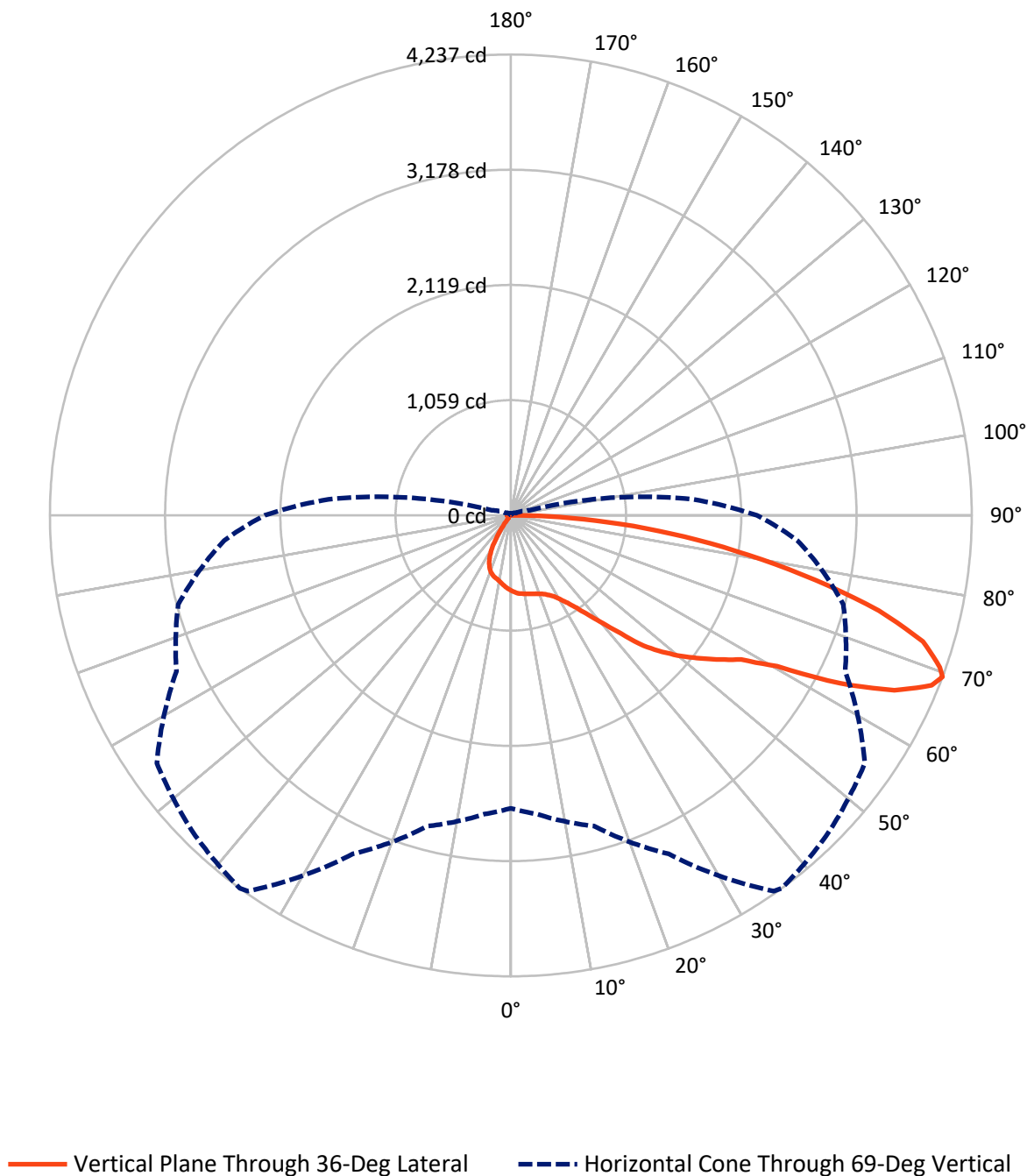


Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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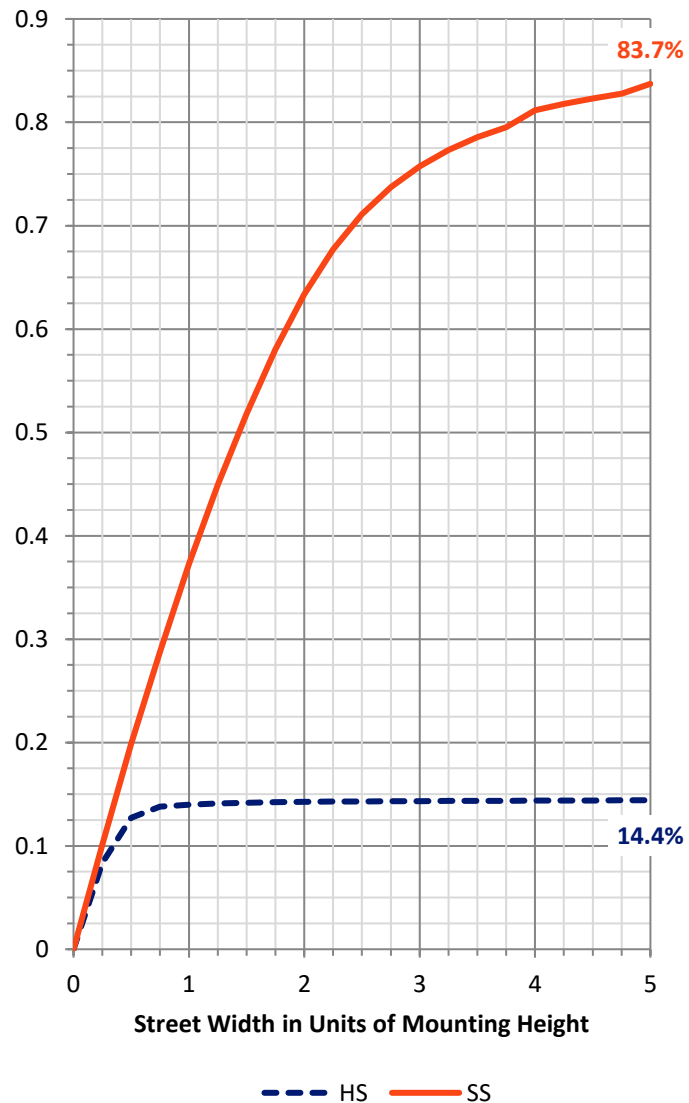
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.9	0.0	1012.9
	% Fixture	14.6	0.0	14.6
Street Side	Lumens	5933.7	0.0	5933.7
	% Fixture	85.4	0.0	85.4
Total	Lumens	6946.6	0.0	6946.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	0.9
10°-20°	196.1	2.8
20°-30°	328.6	4.7
30°-40°	531.5	7.7
40°-50°	937.5	13.5
50°-60°	1366.5	19.7
60°-70°	1804.8	26.0
70°-80°	1387.7	20.0
80°-90°	328.1	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°	6946.6	100.0
0°-180°	6946.6	100.0

Coefficient of Utilization



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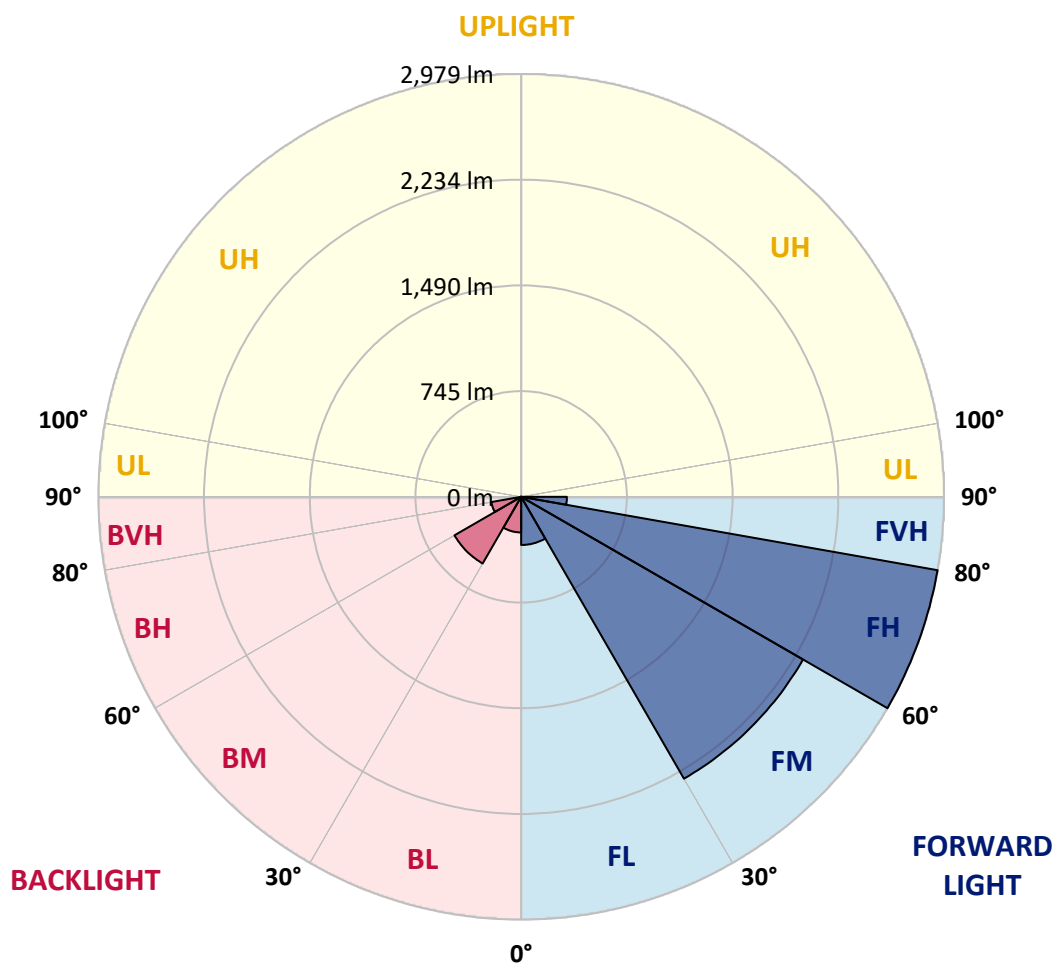
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.6	4.9			
FM	(30°-60°)	2293.1	33.0			
FH	(60°-80°)	2979.0	42.9			G2/5000
FVH	(80°-90°)	322.0	4.6			G3/500
BL	(0°-30°)	250.9	3.6	B1/500		
BM	(30°-60°)	542.4	7.8	B1/1000		
BH	(60°-80°)	213.5	3.1	B1/500		G1/500
BVH	(80°-90°)	6.1	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°	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1
2.5°	717.7	718.8	715.4	707.5	705.7	706.4	707.2	702.6	697.7	695.5	690.3
5°	730.4	730.8	729.3	722.1	720.3	720.3	719.6	714.3	709.4	706.4	698.9
7.5°	733.8	733.5	734.2	726.7	728.6	725.2	727.4	722.1	717.7	713.5	706.7
10°	739.1	739.8	739.1	733.0	733.8	734.5	734.2	730.4	730.1	729.6	718.0
12.5°	736.4	736.0	738.3	734.5	739.8	740.6	748.8	750.6	752.5	752.5	740.6
15°	734.5	730.4	739.8	736.7	747.7	748.8	761.1	772.5	774.7	775.4	770.9
17.5°	737.2	736.4	749.6	743.9	759.3	756.7	768.6	788.6	799.1	804.3	806.9
20°	748.4	751.4	762.3	756.7	769.4	769.4	782.5	803.9	823.9	836.9	839.5
22.5°	765.7	766.8	779.6	773.9	784.0	785.2	796.4	821.5	848.6	870.7	881.9
25°	784.0	783.3	793.8	794.2	807.6	811.0	820.8	841.0	876.7	905.6	936.3
27.5°	811.0	809.6	822.0	818.1	843.4	842.9	854.2	878.2	918.3	956.2	1003.1
30°	854.9	851.2	858.7	864.7	893.2	894.3	904.5	928.0	968.6	1023.8	1080.8
32.5°	925.8	928.9	928.0	920.6	956.6	958.9	983.6	1021.8	1063.2	1129.5	1196.3
35°	1075.2	1074.7	1054.5	1035.4	1038.8	1045.5	1077.8	1146.8	1231.2	1388.0	1447.0
37.5°	1260.9	1269.9	1234.3	1179.0	1161.0	1160.0	1188.0	1290.5	1428.5	1731.2	1754.9
40°	1506.5	1489.7	1446.6	1361.8	1316.4	1303.6	1313.0	1433.4	1645.4	2023.9	2001.4
42.5°	1673.5	1681.0	1633.7	1561.3	1493.8	1484.1	1461.9	1590.6	1880.3	2257.3	2194.2
45°	1873.8	1888.8	1836.7	1785.3	1717.0	1711.0	1677.6	1752.7	2106.0	2430.1	2345.0
47.5°	2048.3	2058.7	1975.5	1927.4	1878.4	1873.5	1841.9	1916.2	2302.2	2572.4	2468.4
50°	2236.2	2244.9	2154.0	2085.8	2039.2	2034.8	2017.1	2099.7	2501.0	2706.7	2570.5
52.5°	2475.9	2443.7	2333.4	2240.3	2188.6	2182.5	2191.2	2282.7	2689.4	2803.4	2652.3
55°	2756.6	2668.7	2527.8	2411.4	2334.1	2338.2	2348.4	2468.8	2849.5	2897.2	2713.8
57.5°	2925.7	2930.6	2824.8	2653.4	2506.7	2498.4	2491.0	2637.7	2979.8	3001.1	2773.4
60°	3151.9	3167.3	3153.4	3047.6	2850.0	2814.7	2692.4	2825.9	3117.8	3085.2	2809.1
62.5°	3323.7	3348.9	3429.9	3364.7	3387.5	3402.5	3066.1	3051.5	3244.6	3142.6	2816.6
65°	3284.4	3308.4	3474.6	3602.8	3844.5	3876.4	3791.6	3338.4	3343.7	3168.0	2792.5
67.5°	2986.2	3010.9	3213.5	3558.9	4135.5	4171.6	4081.1	3836.6	3392.7	3169.2	2731.4
69°	2692.4	2756.2	2956.5	3432.6	4216.9	4237.3	4127.4	3972.4	3392.0	3164.6	2645.1
70°	2516.8	2567.8	2795.2	3286.6	4174.6	4184.4	4099.6	4027.2	3379.3	3125.3	2564.1
72.5°	2023.6	2012.2	2254.2	2786.2	3969.3	3963.4	3972.7	3953.6	3356.1	2981.3	2222.3
75°	1466.8	1470.9	1694.9	2192.3	3451.4	3495.2	3682.7	3796.5	3129.8	2600.1	1635.2
77.5°	1042.5	1051.1	1243.6	1678.4	2844.7	2865.3	3209.4	3330.1	2633.5	2045.6	891.4
80°	697.7	705.3	885.3	1237.6	2172.8	2219.7	2594.8	2621.9	1993.1	1266.2	161.3
82.5°	436.3	440.1	579.6	881.6	1585.4	1608.2	1781.9	1729.8	1036.2	282.1	48.0
85°	250.2	254.7	355.3	558.2	1001.3	1009.9	1125.8	855.7	248.3	37.8	26.3
87.5°	71.6	76.9	147.0	240.8	451.6	448.3	420.1	280.2	40.2	17.3	12.4
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°	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1	692.1
2.5°	686.2	691.8	685.0	680.1	674.5	675.3	675.3	668.9	668.9	677.9	679.0
5°	694.8	698.9	687.2	677.9	665.8	663.3	655.8	648.2	645.6	653.5	654.6
7.5°	702.6	700.4	686.5	671.6	655.8	643.4	634.0	621.6	616.0	625.0	626.5
10°	710.6	703.8	689.5	671.6	646.3	628.4	614.5	592.4	586.3	590.9	593.1
12.5°	732.3	723.3	706.7	675.6	647.1	622.7	595.8	568.0	553.7	559.0	562.0
15°	764.5	751.0	733.8	695.5	656.1	620.9	584.1	540.2	514.4	511.3	512.0
17.5°	802.8	788.6	765.7	719.1	668.9	620.9	566.5	511.3	468.6	456.2	457.7
20°	841.5	825.7	807.3	746.5	680.9	611.5	544.7	472.7	411.6	383.4	383.4
22.5°	885.8	874.4	843.7	768.3	685.0	596.8	511.3	420.6	345.5	304.2	302.7
25°	943.1	933.0	876.3	785.6	681.6	578.5	468.2	359.0	265.9	224.0	221.7
27.5°	1007.2	987.4	908.2	798.3	670.0	548.8	410.8	281.0	185.3	145.5	143.7
30°	1078.6	1049.6	932.6	796.1	648.7	498.9	343.3	188.7	108.0	81.8	81.8
32.5°	1180.9	1128.5	961.5	790.8	619.0	439.3	252.0	111.8	54.1	41.7	41.7
35°	1380.9	1282.3	1005.4	776.6	571.0	360.5	158.7	50.2	29.7	29.3	29.3
37.5°	1649.1	1480.7	1075.9	755.5	504.9	262.2	79.2	27.8	27.8	28.5	28.1
40°	1884.3	1694.6	1170.0	723.7	432.5	165.5	36.0	26.6	28.1	29.3	29.3
42.5°	2059.2	1859.6	1261.2	677.2	345.5	84.4	30.0	25.9	27.0	27.3	27.8
45°	2207.3	1998.3	1334.0	618.2	252.9	40.2	30.0	25.5	25.5	25.5	25.9
47.5°	2321.0	2100.1	1383.9	548.8	157.2	33.8	31.5	25.1	23.6	22.9	23.2
50°	2409.9	2171.0	1401.5	471.5	77.7	34.1	30.7	23.6	20.7	21.0	21.4
52.5°	2472.5	2228.3	1382.7	375.1	40.2	36.0	31.2	22.9	18.3	19.5	19.5
55°	2530.7	2242.6	1335.2	266.8	36.0	36.4	31.2	21.0	15.8	18.0	19.2
57.5°	2545.3	2242.2	1260.4	167.7	38.7	34.6	29.7	20.7	15.1	18.0	18.8
60°	2567.1	2223.9	1158.0	102.4	40.5	31.9	27.8	19.5	14.2	15.1	15.8
62.5°	2543.4	2192.3	1004.7	67.9	39.0	29.7	27.0	18.8	12.4	11.2	10.9
65°	2497.3	2086.9	758.1	54.8	36.4	28.9	24.4	16.5	10.2	7.1	6.8
67.5°	2389.7	1886.6	401.1	51.7	34.1	28.5	21.7	15.4	8.3	4.1	3.7
69°	2262.9	1683.7	182.0	52.6	39.7	28.5	22.2	13.5	7.5	3.0	2.6
70°	2130.4	1498.3	82.9	51.0	43.1	30.0	21.7	12.4	6.8	2.6	2.2
72.5°	1643.2	931.4	56.6	45.4	48.0	29.3	21.7	11.7	6.4	1.5	1.2
75°	975.3	231.1	51.0	36.0	45.8	35.6	26.3	12.7	5.6	0.7	0.0
77.5°	252.9	64.5	43.1	27.3	40.5	40.2	30.4	12.7	5.6	0.0	0.0
80°	65.3	49.5	37.1	17.6	31.9	39.0	24.8	14.2	4.5	0.0	0.0
82.5°	39.0	36.0	40.5	10.9	25.5	26.3	14.6	10.2	4.9	0.0	0.0
85°	22.5	31.2	28.5	8.3	4.9	2.6	6.0	11.2	4.9	0.0	0.0
87.5°	13.1	16.9	6.4	1.2	1.2	0.7	0.4	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)