

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: P559954

Luminaire Tested: **SDL-PA1-100-830-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-830-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5939.4 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 93.8
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: 24 FT

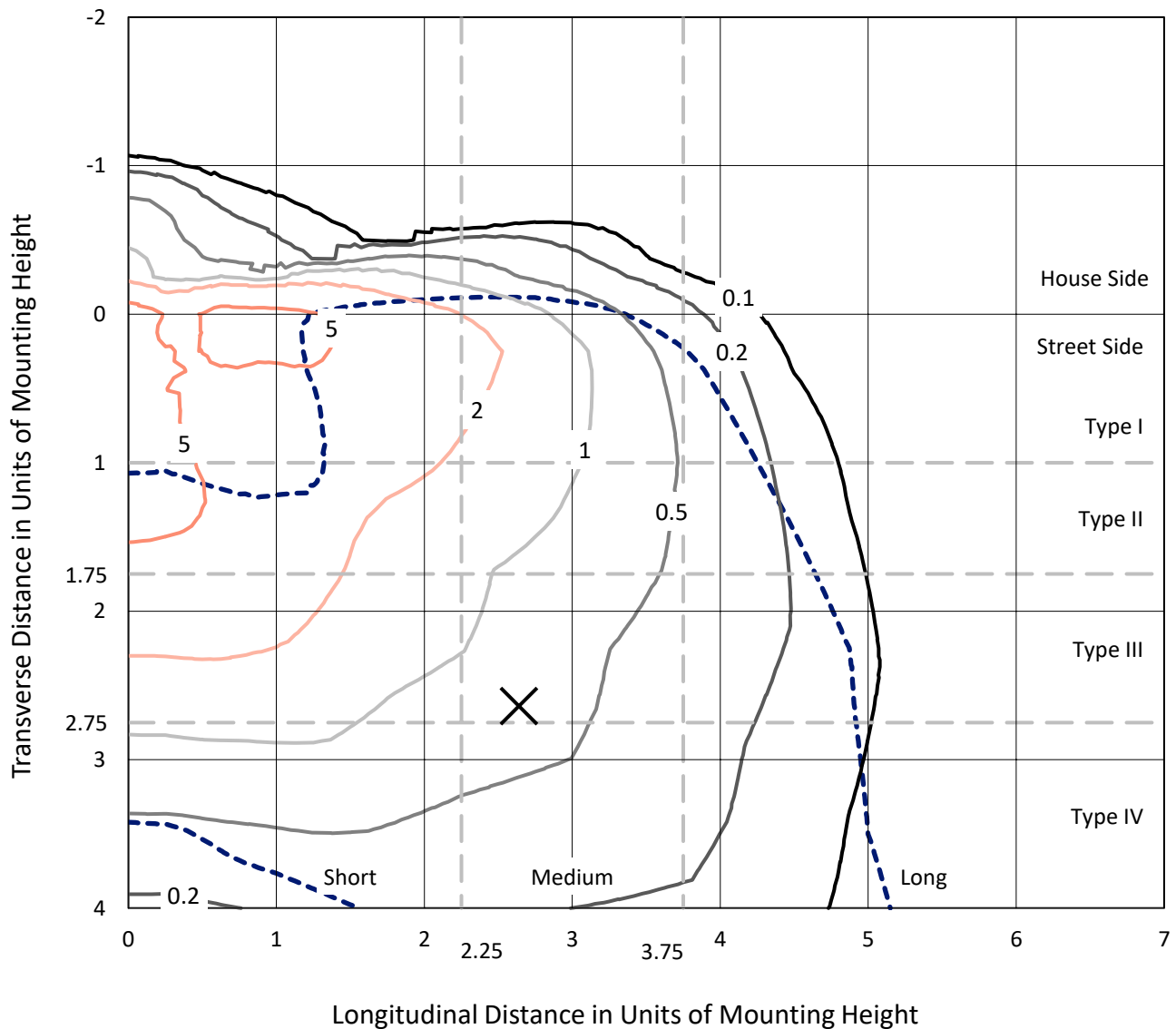


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

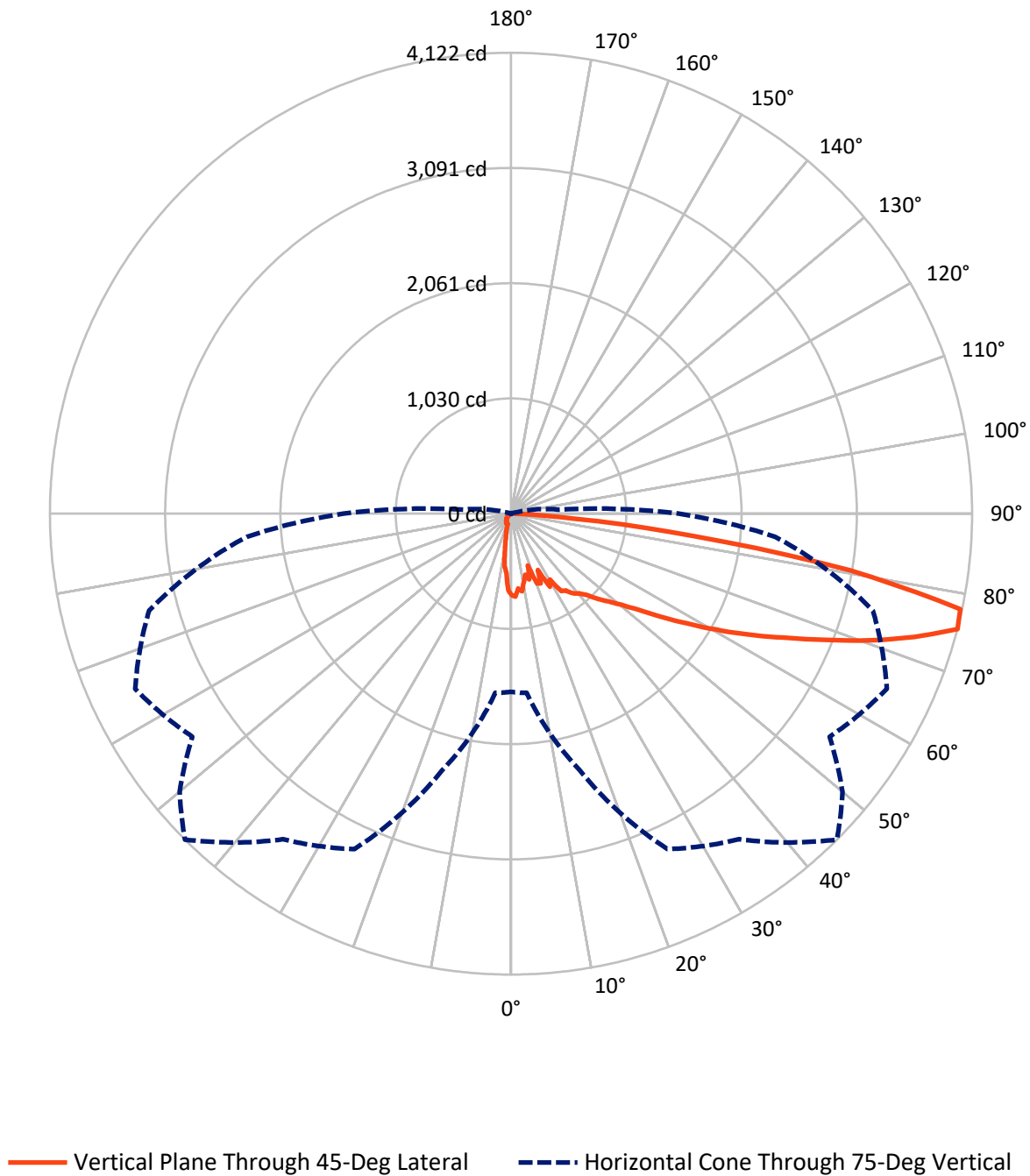


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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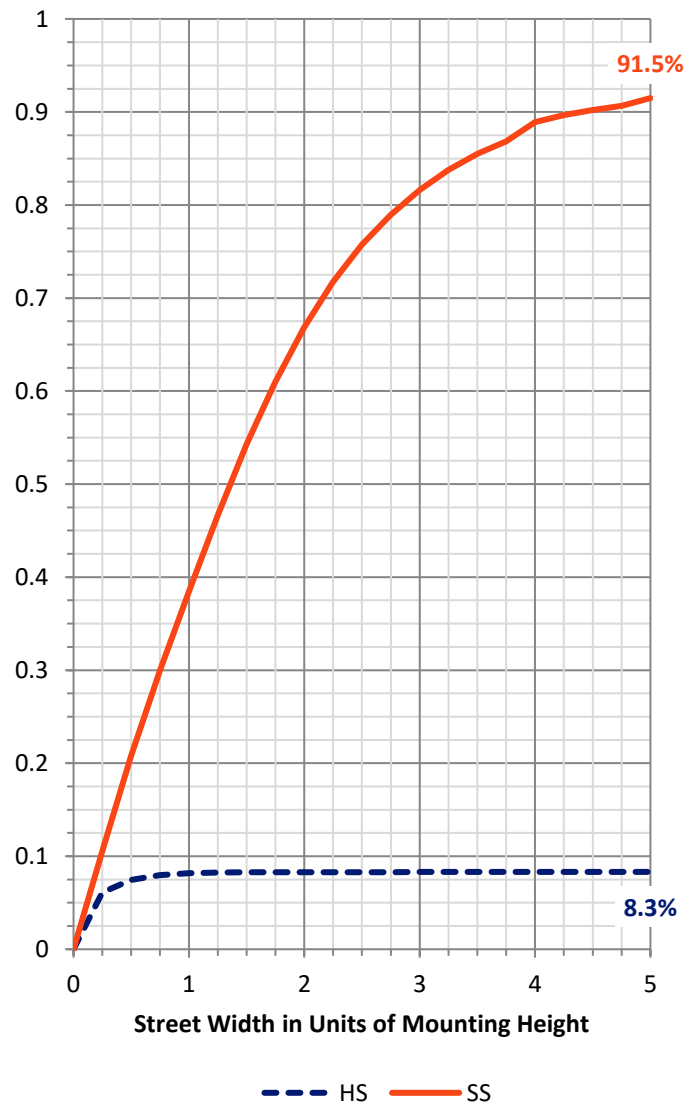
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	498.7	0.0	498.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5440.8	0.0	5440.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	5939.4	0.0	5939.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	1.0
10°-20°	124.3	2.1
20°-30°	210.2	3.5
30°-40°	387.1	6.5
40°-50°	635.3	10.7
50°-60°	1130.8	19.0
60°-70°	1691.9	28.5
70°-80°	1506.4	25.4
80°-90°	196.8	3.3
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°	5939.4	100.0
0°-180°	5939.4	100.0

Coefficient of Utilization



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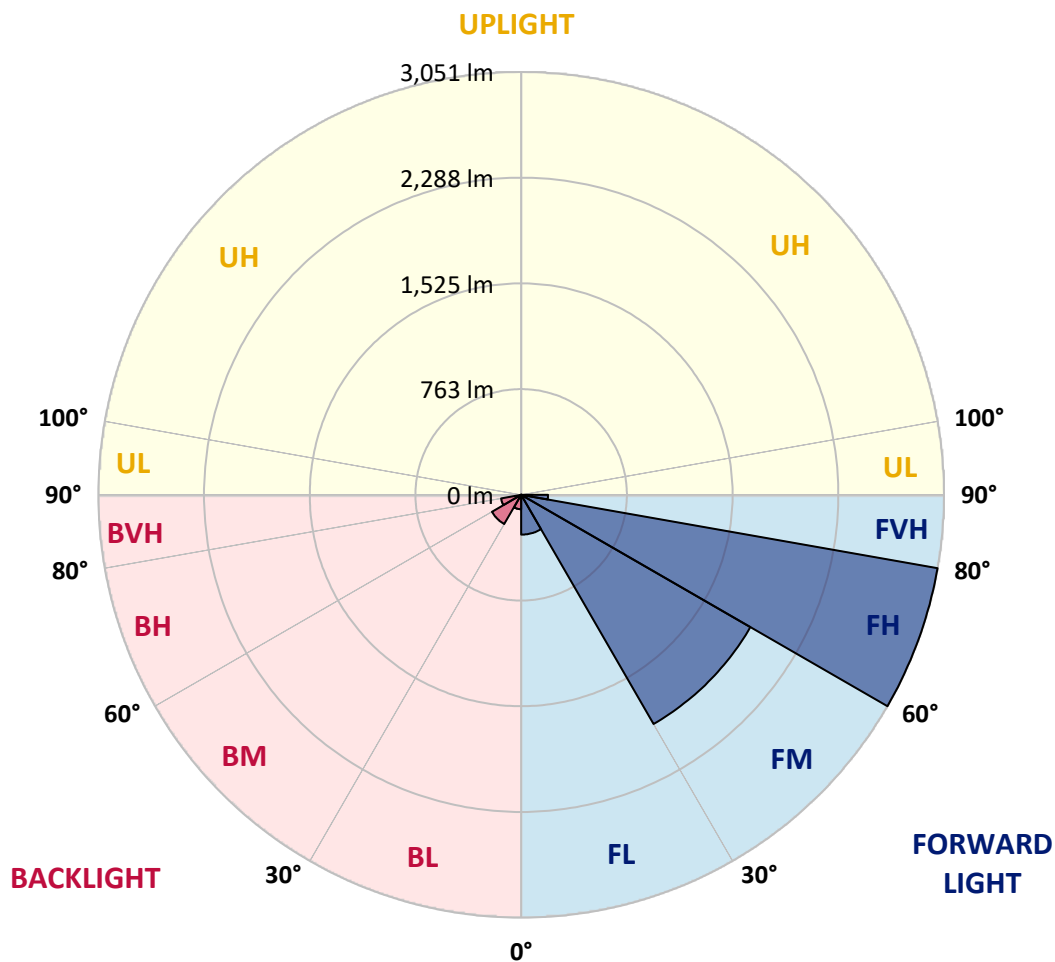
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.1	4.8			
FM	(30°-60°)	1909.3	32.1			
FH	(60°-80°)	3050.6	51.4			G2/5000
FVH	(80°-90°)	193.8	3.3			G2/225
BL	(0°-30°)	104.0	1.8	B0/110		
BM	(30°-60°)	244.0	4.1	B1/1000		
BH	(60°-80°)	147.7	2.5	B1/500		G1/500
BVH	(80°-90°)	3.0	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3
2.5°	677.5	728.3	734.2	737.2	743.2	746.2	746.2	746.2	746.2	743.2	743.2
5°	716.3	713.3	710.3	707.4	704.4	698.4	692.4	683.5	677.5	671.5	665.6
7.5°	701.4	704.4	713.3	719.3	716.3	713.3	719.3	722.3	713.3	701.4	689.5
10°	817.8	811.8	805.9	799.9	790.9	782.0	710.3	638.7	632.7	623.8	617.8
12.5°	716.3	805.9	805.9	805.9	805.9	805.9	758.1	710.3	635.7	561.1	474.6
15°	895.4	892.4	880.5	868.5	787.9	704.4	659.6	614.8	614.8	611.9	576.0
17.5°	743.2	743.2	802.9	859.6	826.7	793.9	731.2	668.6	579.0	486.5	522.3
20°	940.2	940.2	928.2	916.3	779.0	641.7	647.7	653.6	659.6	665.6	552.2
22.5°	773.0	767.1	761.1	755.1	770.0	785.0	662.6	537.2	608.9	677.5	528.3
25°	943.1	952.1	946.1	937.2	814.8	692.4	719.3	743.2	650.7	558.1	647.7
27.5°	808.8	799.9	787.9	773.0	782.0	790.9	734.2	674.5	707.4	740.2	593.9
30°	990.9	993.9	987.9	981.9	865.5	749.1	746.2	740.2	713.3	683.5	668.6
32.5°	1226.7	1202.8	1119.2	1035.7	964.0	892.4	835.7	779.0	802.9	823.8	743.2
35°	1340.1	1295.3	1259.5	1220.7	1101.3	979.0	910.3	838.7	841.7	844.7	811.8
37.5°	1450.5	1384.9	1340.1	1295.3	1152.1	1008.8	934.2	859.6	883.5	904.3	868.5
40°	1489.3	1453.5	1426.7	1399.8	1247.6	1092.4	1005.8	916.3	928.2	937.2	925.2
42.5°	1587.8	1581.9	1566.9	1549.0	1367.0	1181.9	1077.5	973.0	984.9	993.9	987.9
45°	1823.6	1814.7	1814.7	1811.7	1575.9	1337.1	1199.8	1062.5	1074.5	1086.4	1080.4
47.5°	2128.0	2113.1	2095.2	2074.3	1823.6	1569.9	1372.9	1173.0	1173.0	1173.0	1181.9
50°	2447.4	2426.5	2387.7	2345.9	2092.2	1838.5	1587.8	1337.1	1310.3	1280.4	1313.2
52.5°	2778.7	2742.9	2677.2	2608.6	2384.7	2160.9	1877.3	1590.8	1510.2	1426.7	1468.4
55°	2957.8	2919.0	2874.2	2826.5	2644.4	2459.3	2169.8	1880.3	1755.0	1626.6	1671.4
57.5°	3104.0	3095.1	3074.2	3053.3	2913.0	2772.7	2483.2	2190.7	2020.6	1850.5	1889.3
60°	3304.0	3292.1	3301.0	3310.0	3202.5	3095.1	2820.5	2542.9	2325.0	2104.2	2092.2
62.5°	3453.2	3450.2	3495.0	3539.8	3483.1	3423.4	3116.0	2805.6	2593.7	2378.8	2319.1
65°	3315.9	3354.7	3521.9	3689.0	3680.1	3668.1	3381.6	3092.1	2883.2	2671.3	2593.7
67.5°	3026.4	3044.3	3292.1	3536.8	3644.2	3748.7	3545.8	3339.8	3175.7	3008.5	2865.3
70°	2754.8	2793.6	3011.5	3229.4	3507.0	3784.5	3623.4	3462.2	3429.4	3393.5	3208.5
72.5°	2492.2	2560.8	2763.8	2966.7	3336.8	3703.9	3608.4	3512.9	3641.3	3769.6	3548.7
75°	1593.8	1608.7	1993.7	2375.8	2844.4	3310.0	3432.3	3554.7	3838.2	4121.8	3868.1
77.5°	465.6	516.3	805.9	1095.4	1632.6	2166.8	2584.7	3002.5	3554.7	4106.9	3796.5
80°	158.2	170.1	211.9	250.7	537.2	823.8	1307.3	1787.8	2429.5	3071.2	2853.3
82.5°	77.6	80.6	101.5	119.4	182.1	244.7	492.5	737.2	1190.9	1641.6	1680.4
85°	23.9	23.9	35.8	47.8	77.6	107.4	185.0	259.7	411.9	561.1	474.6
87.5°	6.0	6.0	9.0	11.9	17.9	23.9	23.9	23.9	17.9	11.9	14.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3
2.5°	746.2	746.2	746.2	743.2	737.2	734.2	728.3	722.3	716.3	713.3	707.4
5°	656.6	695.4	731.2	734.2	734.2	725.3	716.3	707.4	698.4	689.5	680.5
7.5°	674.5	653.6	632.7	635.7	638.7	635.7	629.8	614.8	602.9	579.0	552.2
10°	540.2	525.3	507.4	513.4	519.3	534.3	549.2	537.2	519.3	474.6	426.8
12.5°	531.3	528.3	522.3	477.5	429.8	453.7	474.6	462.6	444.7	399.9	352.2
15°	453.7	456.6	456.6	501.4	546.2	564.1	579.0	564.1	543.2	483.5	420.8
17.5°	585.0	555.1	525.3	507.4	486.5	492.5	498.4	432.8	453.7	414.9	373.1
20°	605.9	507.4	408.9	489.5	570.1	596.9	623.8	608.9	582.0	486.5	388.0
22.5°	552.2	588.0	623.8	573.1	522.3	489.5	453.7	438.7	420.8	379.0	337.3
25°	683.5	585.0	483.5	579.0	671.5	677.5	683.5	656.6	626.8	507.4	388.0
27.5°	611.9	644.7	674.5	695.4	716.3	743.2	770.0	740.2	668.6	528.3	385.0
30°	728.3	773.0	817.8	886.4	955.1	976.0	993.9	961.1	904.3	668.6	429.8
32.5°	761.1	850.6	940.2	967.0	990.9	1017.8	1044.6	1017.8	949.1	662.6	373.1
35°	850.6	913.3	973.0	1014.8	1056.6	1080.4	1104.3	1086.4	993.9	653.6	313.4
37.5°	877.5	961.1	1041.6	1089.4	1134.2	1155.1	1173.0	1173.0	1041.6	647.7	250.7
40°	919.3	1023.7	1128.2	1173.0	1214.7	1247.6	1277.4	1289.4	1095.4	644.7	191.0
42.5°	1002.8	1095.4	1187.9	1259.5	1328.2	1375.9	1423.7	1432.6	1158.0	653.6	146.2
45°	1092.4	1190.9	1289.4	1384.9	1480.4	1549.0	1614.7	1608.7	1232.7	677.5	119.4
47.5°	1220.7	1313.2	1405.8	1566.9	1725.1	1790.8	1853.5	1811.7	1310.3	707.4	104.5
50°	1352.0	1465.5	1578.9	1784.8	1987.8	2047.5	2104.2	2017.6	1384.9	743.2	98.5
52.5°	1522.2	1656.5	1790.8	2026.6	2262.4	2316.1	2369.8	2193.7	1441.6	767.1	92.5
55°	1722.1	1895.2	2068.4	2292.2	2513.1	2575.7	2638.4	2366.8	1468.4	779.0	89.5
57.5°	1963.9	2163.9	2360.8	2566.8	2769.7	2856.3	2939.9	2536.9	1480.4	782.0	83.6
60°	2199.7	2420.5	2641.4	2817.5	2993.6	3127.9	3259.2	2704.1	1474.4	776.0	74.6
62.5°	2417.6	2662.3	2904.1	3068.2	3232.4	3393.5	3554.7	2838.4	1435.6	749.1	59.7
65°	2644.4	2904.1	3160.7	3304.0	3447.3	3656.2	3862.1	2954.8	1381.9	713.3	41.8
67.5°	2850.3	3098.1	3345.8	3507.0	3668.1	3874.1	4077.0	2984.6	1304.3	668.6	29.8
70°	3023.4	3292.1	3557.7	3721.8	3886.0	3990.5	4091.9	2853.3	1149.1	585.0	20.9
72.5°	3262.2	3504.0	3742.7	3826.3	3906.9	3724.8	3539.8	2378.8	862.6	441.7	17.9
75°	3477.1	3593.5	3706.9	3527.8	3348.8	2859.3	2369.8	1498.3	420.8	220.9	17.9
77.5°	3259.2	3196.5	3133.9	2584.7	2032.5	1510.2	984.9	588.0	131.3	71.6	11.9
80°	2360.8	2074.3	1784.8	1235.6	683.5	456.6	226.8	131.3	32.8	20.9	9.0
82.5°	1271.5	981.9	689.5	444.7	200.0	134.3	65.7	44.8	14.9	11.9	6.0
85°	459.6	364.1	265.6	205.9	146.2	86.6	23.9	14.9	9.0	9.0	6.0
87.5°	41.8	47.8	53.7	41.8	26.9	17.9	6.0	6.0	6.0	6.0	3.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3
2.5°	704.4	701.4	698.4	692.4	689.5	686.5	665.6	644.7	620.8	596.9	596.9
5°	641.7	602.9	582.0	561.1	546.2	531.3	528.3	522.3	516.3	510.4	507.4
7.5°	537.2	522.3	510.4	498.4	483.5	468.6	453.7	438.7	426.8	414.9	388.0
10°	402.9	379.0	361.1	343.2	334.3	322.3	304.4	283.5	283.5	283.5	280.6
12.5°	349.2	346.2	301.4	253.7	238.8	223.8	220.9	217.9	211.9	203.0	191.0
15°	346.2	268.6	229.8	188.0	179.1	167.1	149.2	128.3	125.4	119.4	134.3
17.5°	313.4	253.7	208.9	164.2	131.3	98.5	104.5	107.4	122.4	134.3	143.3
20°	283.5	179.1	149.2	116.4	107.4	95.5	101.5	107.4	104.5	98.5	113.4
22.5°	265.6	191.0	140.3	89.5	95.5	101.5	95.5	86.6	101.5	116.4	125.4
25°	256.7	122.4	110.4	95.5	89.5	83.6	95.5	104.5	98.5	92.5	110.4
27.5°	253.7	122.4	104.5	83.6	89.5	95.5	92.5	86.6	98.5	107.4	104.5
30°	271.6	110.4	98.5	86.6	83.6	80.6	86.6	92.5	92.5	89.5	104.5
32.5°	241.8	110.4	98.5	83.6	83.6	80.6	80.6	80.6	89.5	98.5	104.5
35°	208.9	101.5	92.5	80.6	77.6	74.6	77.6	77.6	86.6	92.5	104.5
37.5°	173.1	95.5	86.6	74.6	71.6	68.6	68.6	65.7	74.6	83.6	92.5
40°	140.3	89.5	80.6	68.6	65.7	62.7	62.7	62.7	68.6	71.6	77.6
42.5°	116.4	83.6	74.6	62.7	59.7	56.7	56.7	53.7	56.7	59.7	62.7
45°	101.5	80.6	71.6	59.7	56.7	50.7	47.8	44.8	44.8	44.8	44.8
47.5°	89.5	74.6	68.6	59.7	53.7	44.8	41.8	35.8	32.8	29.8	26.9
50°	83.6	68.6	62.7	53.7	47.8	38.8	32.8	26.9	23.9	17.9	17.9
52.5°	77.6	62.7	56.7	47.8	38.8	29.8	23.9	14.9	14.9	11.9	11.9
55°	74.6	59.7	50.7	41.8	32.8	20.9	14.9	9.0	9.0	6.0	6.0
57.5°	71.6	56.7	47.8	35.8	23.9	11.9	9.0	6.0	6.0	6.0	6.0
60°	62.7	50.7	38.8	23.9	14.9	6.0	6.0	3.0	6.0	6.0	6.0
62.5°	50.7	38.8	26.9	14.9	9.0	3.0	3.0	3.0	6.0	6.0	6.0
65°	35.8	26.9	17.9	9.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
67.5°	26.9	20.9	14.9	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	17.9	14.9	11.9	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	14.9	11.9	9.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0
75°	14.9	11.9	9.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0
77.5°	11.9	9.0	6.0	3.0	3.0	0.0	3.0	6.0	6.0	6.0	6.0
80°	9.0	6.0	6.0	3.0	3.0	0.0	3.0	6.0	6.0	6.0	6.0
82.5°	6.0	6.0	6.0	3.0	3.0	0.0	6.0	9.0	9.0	6.0	6.0
85°	6.0	3.0	3.0	3.0	3.0	3.0	6.0	9.0	9.0	9.0	6.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	6.0	9.0	9.0	9.0	6.0
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):

	165°	170°	175°	180°
0°	728.3	728.3	728.3	728.3
2.5°	593.9	593.9	591.0	591.0
5°	501.4	501.4	498.4	498.4
7.5°	361.1	355.2	346.2	349.2
10°	277.6	271.6	265.6	271.6
12.5°	179.1	182.1	182.1	173.1
15°	146.2	158.2	167.1	167.1
17.5°	152.2	152.2	149.2	149.2
20°	128.3	140.3	152.2	152.2
22.5°	131.3	125.4	119.4	119.4
25°	125.4	134.3	140.3	140.3
27.5°	101.5	104.5	107.4	107.4
30°	116.4	122.4	125.4	125.4
32.5°	110.4	116.4	119.4	122.4
35°	113.4	119.4	122.4	122.4
37.5°	101.5	104.5	107.4	107.4
40°	80.6	83.6	86.6	86.6
42.5°	62.7	62.7	59.7	62.7
45°	41.8	41.8	38.8	41.8
47.5°	23.9	23.9	23.9	23.9
50°	14.9	14.9	14.9	14.9
52.5°	9.0	9.0	9.0	9.0
55°	6.0	6.0	6.0	6.0
57.5°	6.0	6.0	3.0	3.0
60°	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	3.0	3.0	0.0	0.0
77.5°	3.0	3.0	0.0	0.0
80°	3.0	3.0	0.0	0.0
82.5°	3.0	3.0	0.0	0.0
85°	3.0	3.0	3.0	0.0
87.5°	3.0	3.0	3.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)