

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: P560284

Luminaire Tested: **SDL-PA1-30-827-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560284
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-PA1-30-827-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 2700K, 375mA 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: 2024.4 lumens
Efficiency: N/A
Efficacy: 67.3 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: B0 - U0 - G1

Input Watts (W): 30.1
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

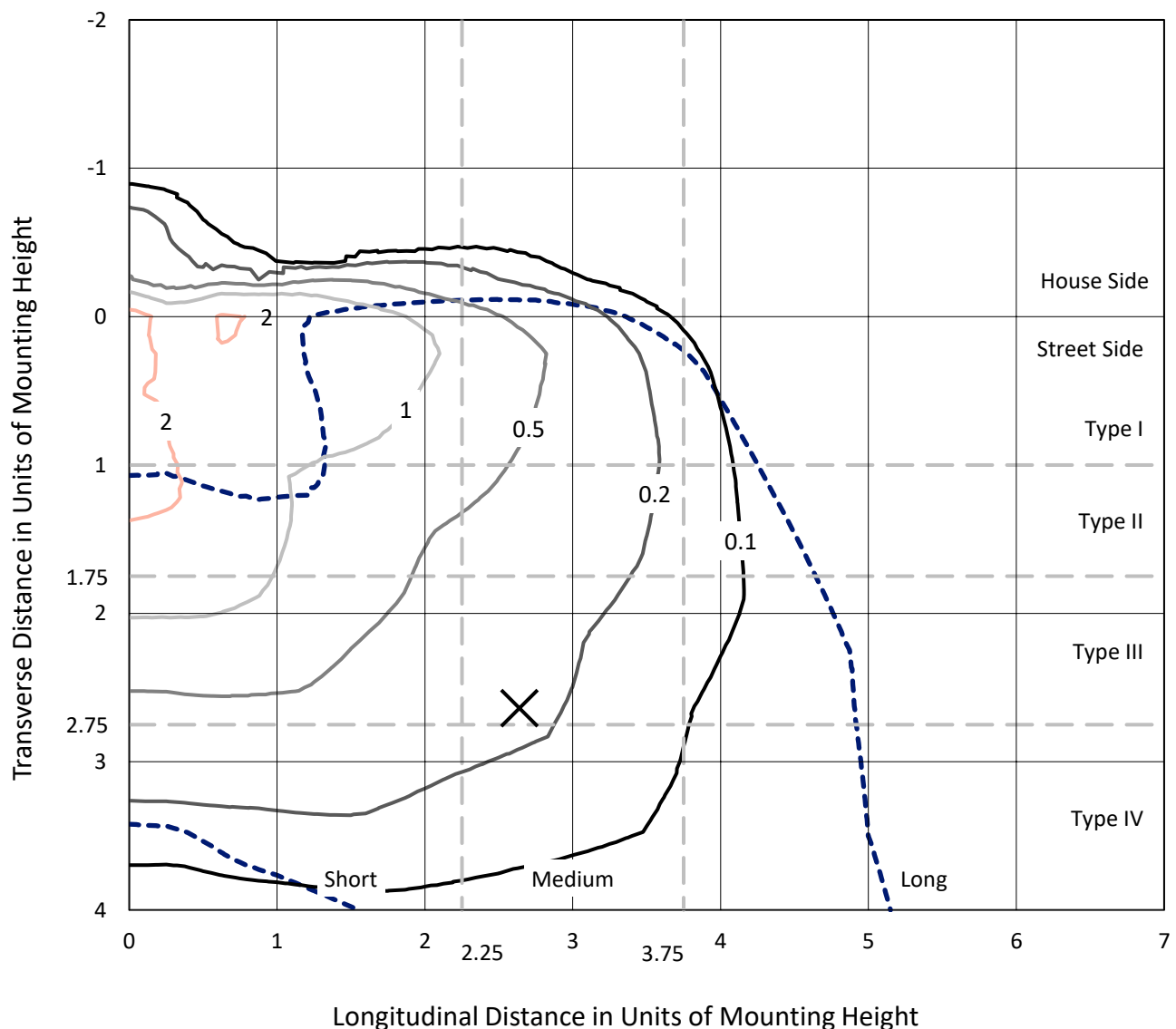


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

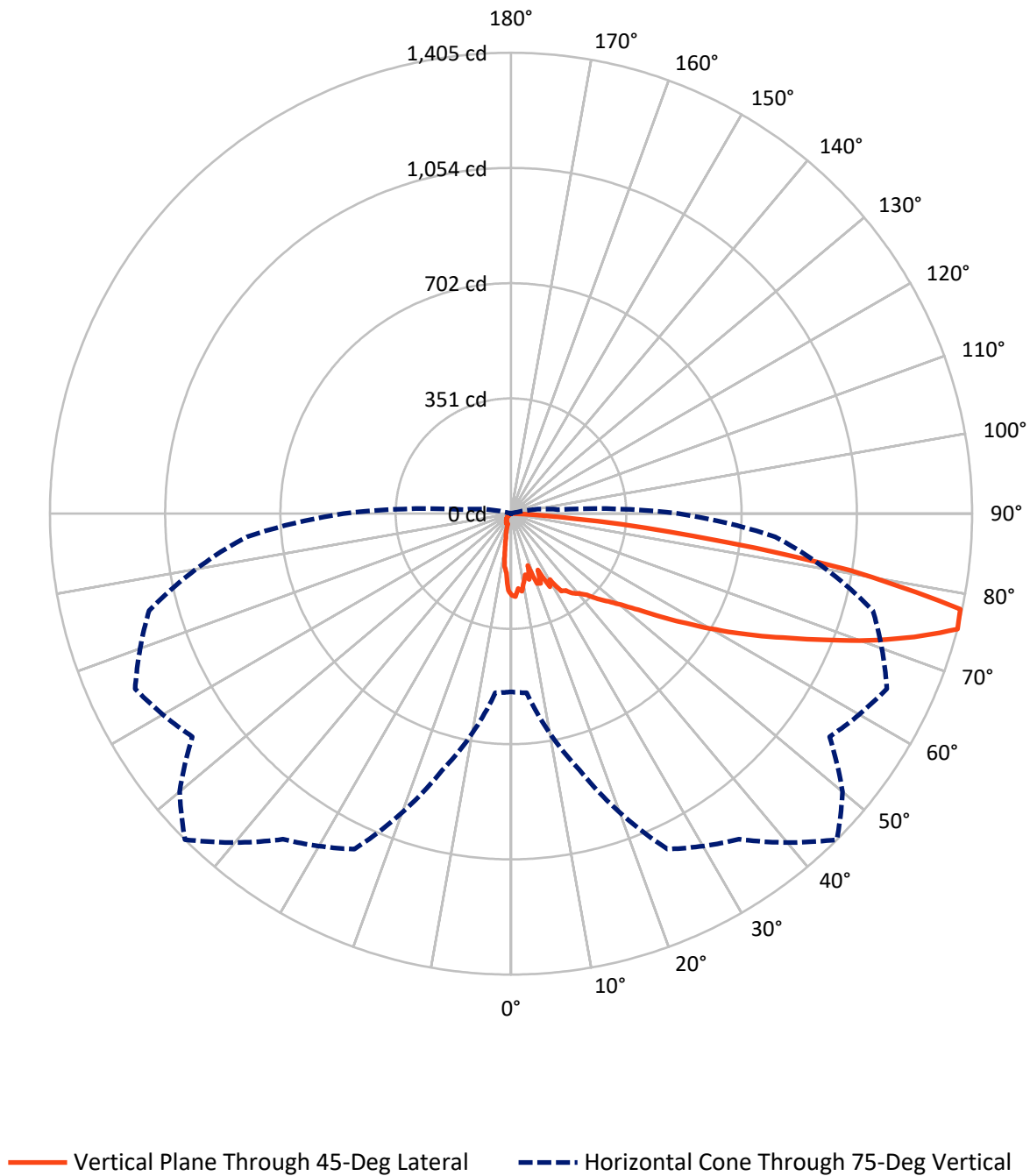


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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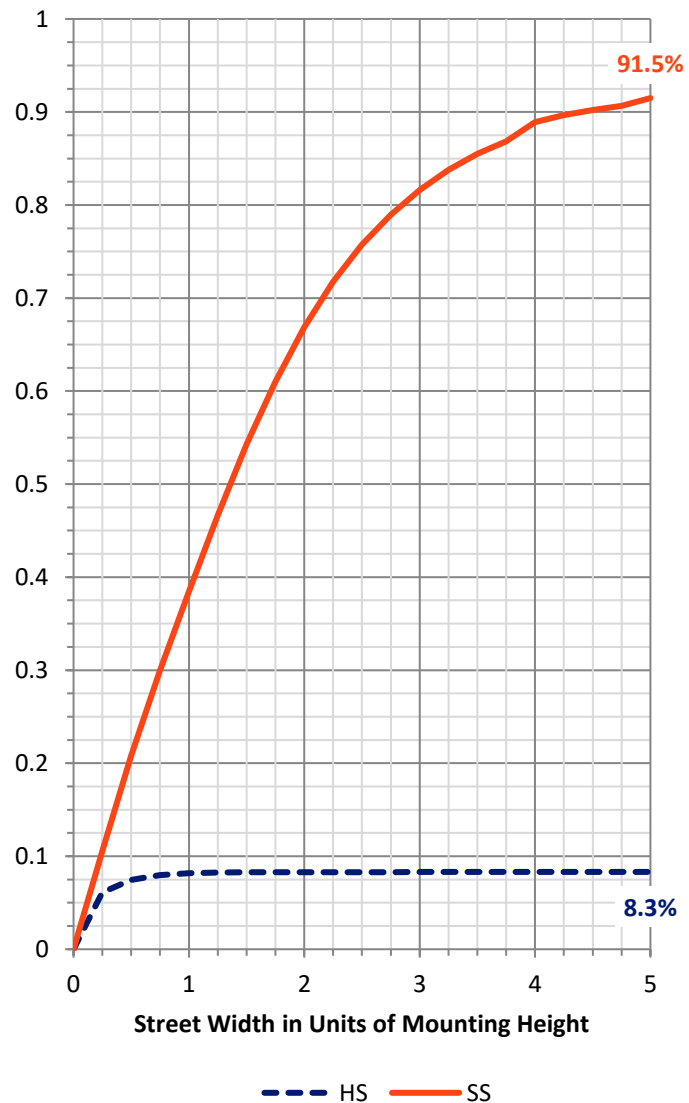
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	169.9	0.0	169.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1854.5	0.0	1854.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	2024.4	0.0	2024.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	1.0
10°-20°	42.4	2.1
20°-30°	71.7	3.5
30°-40°	131.9	6.5
40°-50°	216.5	10.7
50°-60°	385.4	19.0
60°-70°	576.7	28.5
70°-80°	513.4	25.4
80°-90°	67.1	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°	2024.4	100.0
0°-180°	2024.4	100.0

Coefficient of Utilization



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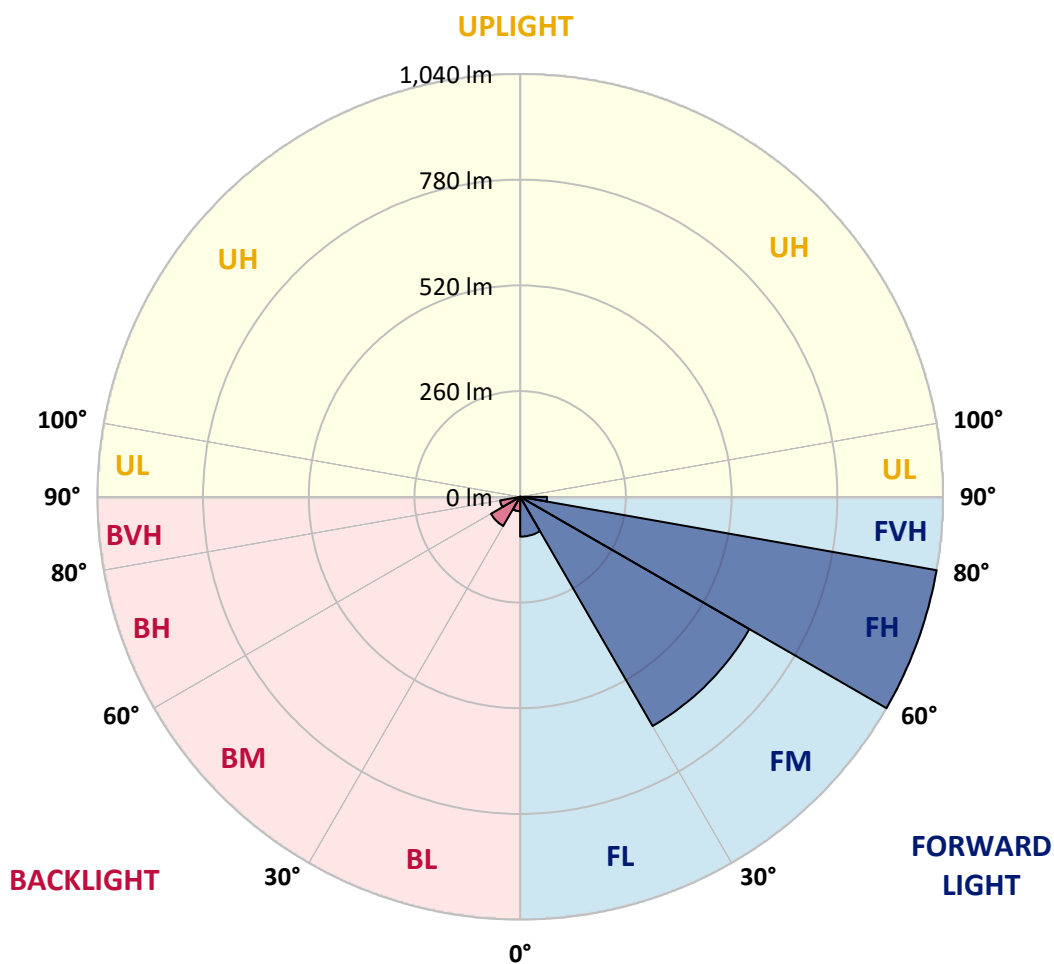
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.9	4.8			
FM	(30°-60°)	650.8	32.1			
FH	(60°-80°)	1039.8	51.4			G1/1800
FVH	(80°-90°)	66.0	3.3			G1/100
BL	(0°-30°)	35.5	1.8	B0/110		
BM	(30°-60°)	83.1	4.1	B0/220		
BH	(60°-80°)	50.3	2.5	B0/110		G0/110
BVH	(80°-90°)	1.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
2.5°	230.9	248.2	250.3	251.3	253.3	254.3	254.3	254.3	254.3	253.3	253.3
5°	244.2	243.1	242.1	241.1	240.1	238.0	236.0	233.0	230.9	228.9	226.9
7.5°	239.1	240.1	243.1	245.2	244.2	243.1	245.2	246.2	243.1	239.1	235.0
10°	278.7	276.7	274.7	272.6	269.6	266.5	242.1	217.7	215.7	212.6	210.6
12.5°	244.2	274.7	274.7	274.7	274.7	274.7	258.4	242.1	216.7	191.3	161.8
15°	305.2	304.2	300.1	296.0	268.6	240.1	224.8	209.6	209.6	208.5	196.3
17.5°	253.3	253.3	273.7	293.0	281.8	270.6	249.2	227.9	197.4	165.8	178.0
20°	320.5	320.5	316.4	312.3	265.5	218.7	220.8	222.8	224.8	226.9	188.2
22.5°	263.5	261.4	259.4	257.4	262.5	267.6	225.8	183.1	207.5	230.9	180.1
25°	321.5	324.5	322.5	319.4	277.7	236.0	245.2	253.3	221.8	190.2	220.8
27.5°	275.7	272.6	268.6	263.5	266.5	269.6	250.3	229.9	241.1	252.3	202.4
30°	337.7	338.8	336.7	334.7	295.0	255.3	254.3	252.3	243.1	233.0	227.9
32.5°	418.1	410.0	381.5	353.0	328.6	304.2	284.8	265.5	273.7	280.8	253.3
35°	456.8	441.5	429.3	416.1	375.4	333.7	310.3	285.9	286.9	287.9	276.7
37.5°	494.4	472.0	456.8	441.5	392.7	343.8	318.4	293.0	301.1	308.2	296.0
40°	507.6	495.4	486.3	477.1	425.2	372.3	342.8	312.3	316.4	319.4	315.4
42.5°	541.2	539.2	534.1	528.0	465.9	402.9	367.2	331.6	335.7	338.8	336.7
45°	621.6	618.5	618.5	617.5	537.1	455.8	409.0	362.2	366.2	370.3	368.3
47.5°	725.3	720.3	714.1	707.0	621.6	535.1	468.0	399.8	399.8	399.8	402.9
50°	834.2	827.1	813.8	799.6	713.1	626.7	541.2	455.8	446.6	436.4	447.6
52.5°	947.1	934.9	912.5	889.1	812.8	736.5	639.9	542.2	514.8	486.3	500.5
55°	1008.1	994.9	979.7	963.4	901.3	838.3	739.6	640.9	598.2	554.4	569.7
57.5°	1058.0	1054.9	1047.8	1040.7	992.9	945.1	846.4	746.7	688.7	630.7	644.0
60°	1126.2	1122.1	1125.1	1128.2	1091.6	1054.9	961.4	866.7	792.5	717.2	713.1
62.5°	1177.0	1176.0	1191.3	1206.5	1187.2	1166.8	1062.1	956.3	884.0	810.8	790.4
65°	1130.2	1143.5	1200.4	1257.4	1254.3	1250.3	1152.6	1053.9	982.7	910.5	884.0
67.5°	1031.5	1037.7	1122.1	1205.5	1242.1	1277.7	1208.6	1138.4	1082.4	1025.4	976.6
70°	939.0	952.2	1026.5	1100.7	1195.3	1289.9	1235.0	1180.1	1168.9	1156.7	1093.6
72.5°	849.4	872.8	942.0	1011.2	1137.3	1262.5	1229.9	1197.4	1241.1	1284.9	1209.6
75°	543.2	548.3	679.6	809.8	969.5	1128.2	1169.9	1211.6	1308.3	1404.9	1318.4
77.5°	158.7	176.0	274.7	373.4	556.5	738.6	881.0	1023.4	1211.6	1399.8	1294.0
80°	53.9	58.0	72.2	85.5	183.1	280.8	445.6	609.4	828.1	1046.8	972.5
82.5°	26.4	27.5	34.6	40.7	62.1	83.4	167.9	251.3	405.9	559.5	572.7
85°	8.1	8.1	12.2	16.3	26.4	36.6	63.1	88.5	140.4	191.3	161.8
87.5°	2.0	2.0	3.1	4.1	6.1	8.1	8.1	8.1	6.1	4.1	5.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
2.5°	254.3	254.3	254.3	253.3	251.3	250.3	248.2	246.2	244.2	243.1	241.1
5°	223.8	237.0	249.2	250.3	250.3	247.2	244.2	241.1	238.0	235.0	231.9
7.5°	229.9	222.8	215.7	216.7	217.7	216.7	214.7	209.6	205.5	197.4	188.2
10°	184.1	179.0	172.9	175.0	177.0	182.1	187.2	183.1	177.0	161.8	145.5
12.5°	181.1	180.1	178.0	162.8	146.5	154.6	161.8	157.7	151.6	136.3	120.0
15°	154.6	155.6	155.6	170.9	186.2	192.3	197.4	192.3	185.1	164.8	143.4
17.5°	199.4	189.2	179.0	172.9	165.8	167.9	169.9	147.5	154.6	141.4	127.2
20°	206.5	172.9	139.4	166.8	194.3	203.5	212.6	207.5	198.4	165.8	132.2
22.5°	188.2	200.4	212.6	195.3	178.0	166.8	154.6	149.5	143.4	129.2	115.0
25°	233.0	199.4	164.8	197.4	228.9	230.9	233.0	223.8	213.6	172.9	132.2
27.5°	208.5	219.7	229.9	237.0	244.2	253.3	262.5	252.3	227.9	180.1	131.2
30°	248.2	263.5	278.7	302.1	325.5	332.7	338.8	327.6	308.2	227.9	146.5
32.5°	259.4	289.9	320.5	329.6	337.7	346.9	356.1	346.9	323.5	225.8	127.2
35°	289.9	311.3	331.6	345.9	360.1	368.3	376.4	370.3	338.8	222.8	106.8
37.5°	299.1	327.6	355.0	371.3	386.6	393.7	399.8	399.8	355.0	220.8	85.5
40°	313.3	348.9	384.5	399.8	414.0	425.2	435.4	439.5	373.4	219.7	65.1
42.5°	341.8	373.4	404.9	429.3	452.7	469.0	485.3	488.3	394.7	222.8	49.8
45°	372.3	405.9	439.5	472.0	504.6	528.0	550.4	548.3	420.1	230.9	40.7
47.5°	416.1	447.6	479.2	534.1	588.0	610.4	631.7	617.5	446.6	241.1	35.6
50°	460.8	499.5	538.2	608.3	677.5	697.9	717.2	687.7	472.0	253.3	33.6
52.5°	518.8	564.6	610.4	690.8	771.1	789.4	807.7	747.7	491.4	261.4	31.5
55°	587.0	646.0	705.0	781.3	856.6	877.9	899.3	806.7	500.5	265.5	30.5
57.5°	669.4	737.5	804.7	874.9	944.1	973.6	1002.0	864.7	504.6	266.5	28.5
60°	749.8	825.0	900.3	960.3	1020.4	1066.1	1110.9	921.7	502.5	264.5	25.4
62.5°	824.0	907.4	989.8	1045.8	1101.7	1156.7	1211.6	967.5	489.3	255.3	20.3
65°	901.3	989.8	1077.3	1126.2	1175.0	1246.2	1316.4	1007.1	471.0	243.1	14.2
67.5°	971.5	1056.0	1140.4	1195.3	1250.3	1320.5	1389.6	1017.3	444.6	227.9	10.2
70°	1030.5	1122.1	1212.6	1268.6	1324.5	1360.1	1394.7	972.5	391.7	199.4	7.1
72.5°	1111.9	1194.3	1275.7	1304.2	1331.7	1269.6	1206.5	810.8	294.0	150.6	6.1
75°	1185.2	1224.8	1263.5	1202.5	1141.4	974.6	807.7	510.7	143.4	75.3	6.1
77.5°	1110.9	1089.5	1068.2	881.0	692.8	514.8	335.7	200.4	44.8	24.4	4.1
80°	804.7	707.0	608.3	421.2	233.0	155.6	77.3	44.8	11.2	7.1	3.1
82.5°	433.4	334.7	235.0	151.6	68.2	45.8	22.4	15.3	5.1	4.1	2.0
85°	156.7	124.1	90.5	70.2	49.8	29.5	8.1	5.1	3.1	3.1	2.0
87.5°	14.2	16.3	18.3	14.2	9.2	6.1	2.0	2.0	2.0	2.0	1.0
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°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
2.5°	240.1	239.1	238.0	236.0	235.0	234.0	226.9	219.7	211.6	203.5	203.5
5°	218.7	205.5	198.4	191.3	186.2	181.1	180.1	178.0	176.0	174.0	172.9
7.5°	183.1	178.0	174.0	169.9	164.8	159.7	154.6	149.5	145.5	141.4	132.2
10°	137.3	129.2	123.1	117.0	113.9	109.9	103.8	96.6	96.6	96.6	95.6
12.5°	119.0	118.0	102.7	86.5	81.4	76.3	75.3	74.3	72.2	69.2	65.1
15°	118.0	91.6	78.3	64.1	61.0	57.0	50.9	43.7	42.7	40.7	45.8
17.5°	106.8	86.5	71.2	56.0	44.8	33.6	35.6	36.6	41.7	45.8	48.8
20°	96.6	61.0	50.9	39.7	36.6	32.6	34.6	36.6	35.6	33.6	38.7
22.5°	90.5	65.1	47.8	30.5	32.6	34.6	32.6	29.5	34.6	39.7	42.7
25°	87.5	41.7	37.6	32.6	30.5	28.5	32.6	35.6	33.6	31.5	37.6
27.5°	86.5	41.7	35.6	28.5	30.5	32.6	31.5	29.5	33.6	36.6	35.6
30°	92.6	37.6	33.6	29.5	28.5	27.5	29.5	31.5	31.5	30.5	35.6
32.5°	82.4	37.6	33.6	28.5	28.5	27.5	27.5	27.5	30.5	33.6	35.6
35°	71.2	34.6	31.5	27.5	26.4	25.4	26.4	26.4	29.5	31.5	35.6
37.5°	59.0	32.6	29.5	25.4	24.4	23.4	23.4	22.4	25.4	28.5	31.5
40°	47.8	30.5	27.5	23.4	22.4	21.4	21.4	21.4	23.4	24.4	26.4
42.5°	39.7	28.5	25.4	21.4	20.3	19.3	19.3	18.3	19.3	20.3	21.4
45°	34.6	27.5	24.4	20.3	19.3	17.3	16.3	15.3	15.3	15.3	15.3
47.5°	30.5	25.4	23.4	20.3	18.3	15.3	14.2	12.2	11.2	10.2	9.2
50°	28.5	23.4	21.4	18.3	16.3	13.2	11.2	9.2	8.1	6.1	6.1
52.5°	26.4	21.4	19.3	16.3	13.2	10.2	8.1	5.1	5.1	4.1	4.1
55°	25.4	20.3	17.3	14.2	11.2	7.1	5.1	3.1	3.1	2.0	2.0
57.5°	24.4	19.3	16.3	12.2	8.1	4.1	3.1	2.0	2.0	2.0	2.0
60°	21.4	17.3	13.2	8.1	5.1	2.0	2.0	1.0	2.0	2.0	2.0
62.5°	17.3	13.2	9.2	5.1	3.1	1.0	1.0	1.0	2.0	2.0	2.0
65°	12.2	9.2	6.1	3.1	2.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	9.2	7.1	5.1	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	6.1	5.1	4.1	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	5.1	4.1	3.1	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
75°	5.1	4.1	3.1	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
77.5°	4.1	3.1	2.0	1.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0
80°	3.1	2.0	2.0	1.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	1.0	1.0	0.0	2.0	3.1	3.1	2.0	2.0
85°	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.1	3.1	3.1	2.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.1	3.1	3.1	2.0
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°	248.2	248.2	248.2	248.2
2.5°	202.4	202.4	201.4	201.4
5°	170.9	170.9	169.9	169.9
7.5°	123.1	121.1	118.0	119.0
10°	94.6	92.6	90.5	92.6
12.5°	61.0	62.1	62.1	59.0
15°	49.8	53.9	57.0	57.0
17.5°	51.9	51.9	50.9	50.9
20°	43.7	47.8	51.9	51.9
22.5°	44.8	42.7	40.7	40.7
25°	42.7	45.8	47.8	47.8
27.5°	34.6	35.6	36.6	36.6
30°	39.7	41.7	42.7	42.7
32.5°	37.6	39.7	40.7	41.7
35°	38.7	40.7	41.7	41.7
37.5°	34.6	35.6	36.6	36.6
40°	27.5	28.5	29.5	29.5
42.5°	21.4	21.4	20.3	21.4
45°	14.2	14.2	13.2	14.2
47.5°	8.1	8.1	8.1	8.1
50°	5.1	5.1	5.1	5.1
52.5°	3.1	3.1	3.1	3.1
55°	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	1.0	1.0
60°	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	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°	1.0	1.0	0.0	0.0
77.5°	1.0	1.0	0.0	0.0
80°	1.0	1.0	0.0	0.0
82.5°	1.0	1.0	0.0	0.0
85°	1.0	1.0	1.0	0.0
87.5°	1.0	1.0	1.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)