

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: P560285

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2780 lumens
Efficiency: N/A
Efficacy: 92.4 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): 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

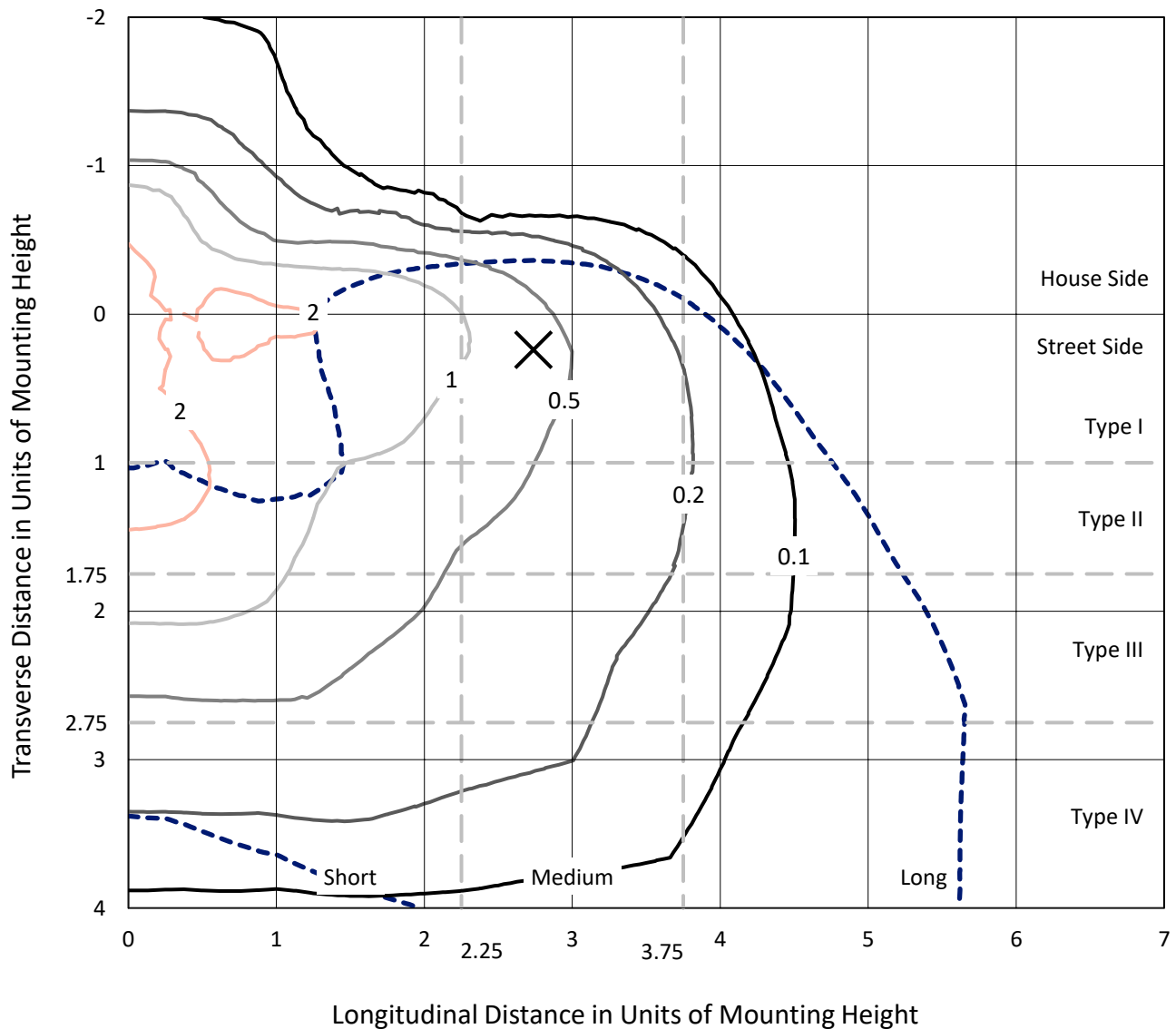


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

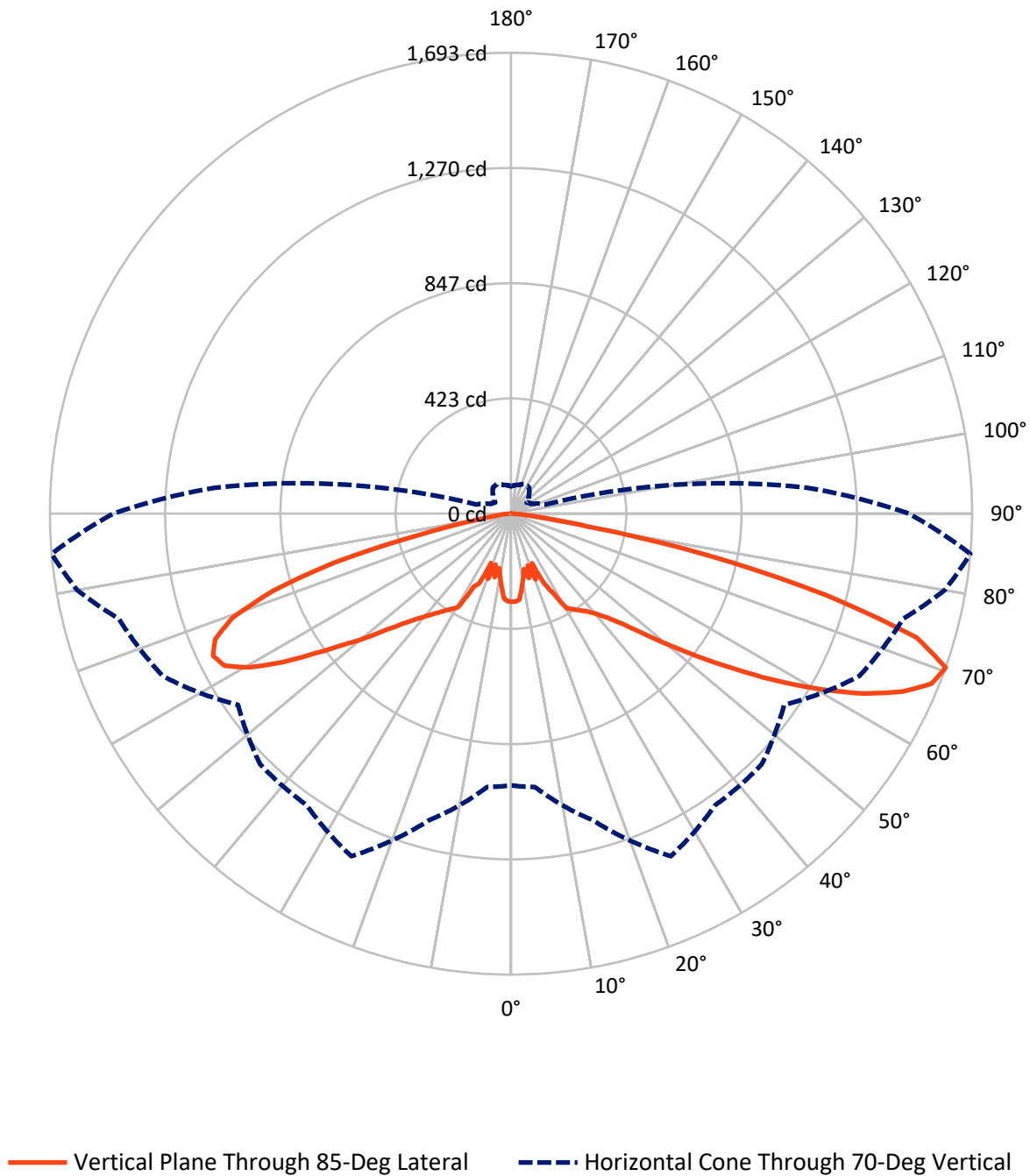


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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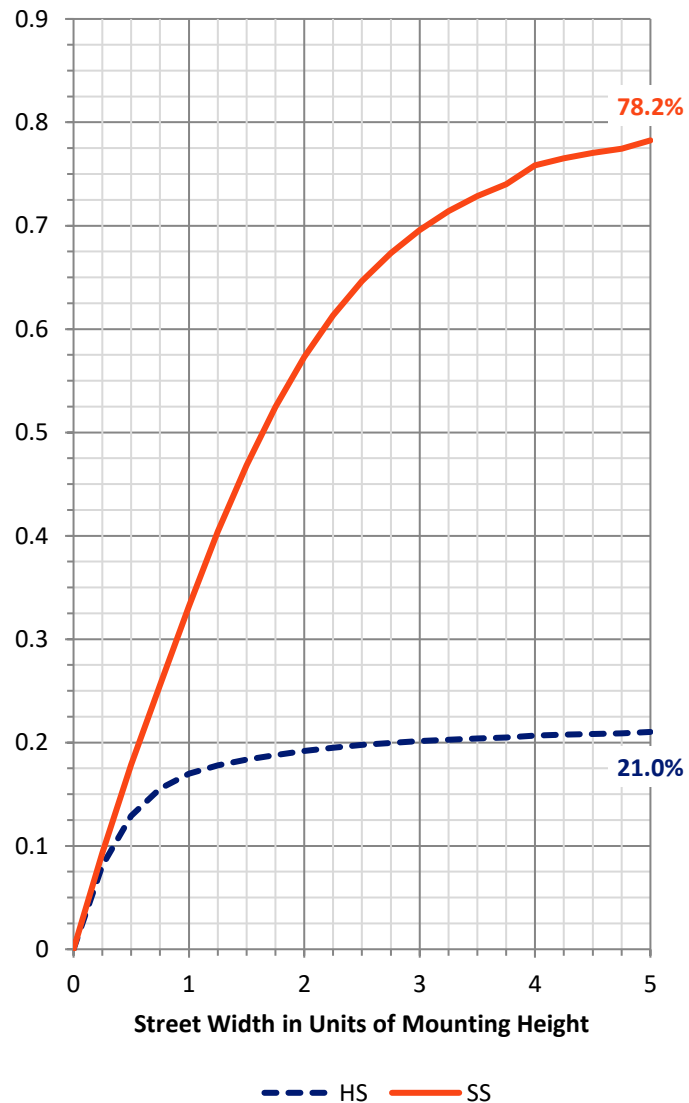
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	597.7	0.0	597.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2182.3	0.0	2182.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	2780.0	0.0	2780.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.0
10°-20°	67.7	2.4
20°-30°	118.3	4.3
30°-40°	208.3	7.5
40°-50°	314.3	11.3
50°-60°	499.9	18.0
60°-70°	733.1	26.4
70°-80°	687.4	24.7
80°-90°	124.1	4.5
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°	2780.0	100.0
0°-180°	2780.0	100.0

Coefficient of Utilization



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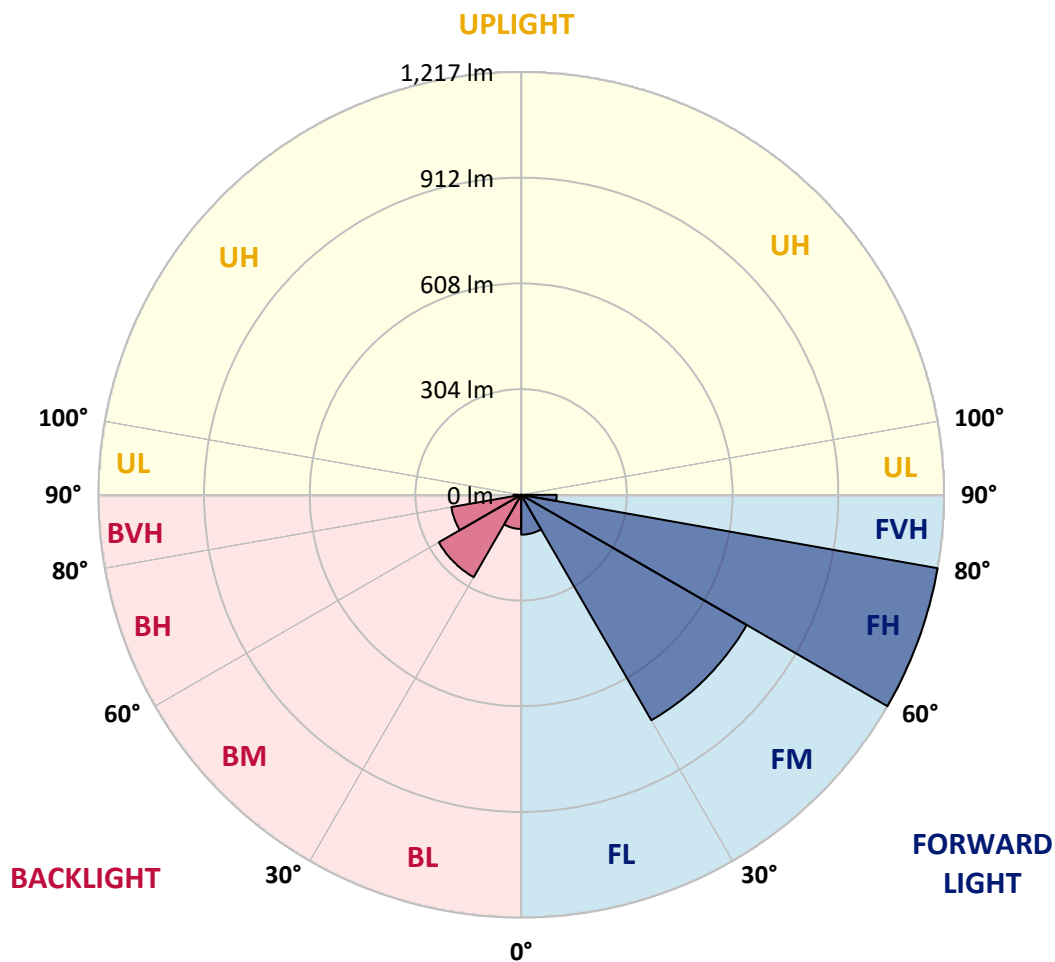
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.6	4.1			
FM	(30°-60°)	749.0	26.9			
FH	(60°-80°)	1216.5	43.8			G1/1800
FVH	(80°-90°)	102.2	3.7			G2/225
BL	(0°-30°)	98.2	3.5	B0/110		
BM	(30°-60°)	273.6	9.8	B1/1000		
BH	(60°-80°)	204.0	7.3	B1/500		G1/500
BVH	(80°-90°)	21.9	0.8			G1/100
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°	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3
2.5°	293.5	305.8	312.0	318.1	320.2	322.2	322.2	321.2	321.2	321.2	323.3
5°	298.6	297.6	297.6	297.6	296.6	295.6	294.5	292.5	291.5	289.4	288.4
7.5°	274.0	294.5	295.6	296.6	296.6	295.6	297.6	299.7	297.6	294.5	290.4
10°	325.3	324.3	322.2	320.2	317.1	314.0	290.4	265.8	267.9	269.9	250.4
12.5°	282.2	301.7	309.9	318.1	319.2	319.2	302.7	285.3	262.7	240.1	230.9
15°	344.8	342.8	338.7	334.6	306.9	278.1	261.7	245.3	245.3	245.3	217.6
17.5°	290.4	289.4	307.9	326.4	316.1	305.8	282.2	258.6	223.7	187.8	210.4
20°	356.1	356.1	351.0	345.8	298.6	250.4	253.5	255.5	256.6	256.6	246.3
22.5°	298.6	296.6	298.6	299.7	299.7	299.7	256.6	213.5	237.1	259.6	236.0
25°	356.1	357.1	356.1	355.1	312.0	267.9	275.0	282.2	249.4	215.5	238.1
27.5°	311.0	309.9	304.8	299.7	300.7	301.7	279.1	255.5	268.9	282.2	258.6
30°	380.7	381.8	378.7	374.6	331.5	288.4	286.3	283.2	274.0	264.8	273.0
32.5°	459.8	459.8	428.0	396.1	369.5	341.7	319.2	296.6	305.8	315.1	304.8
35°	501.8	499.8	489.5	478.2	429.0	378.7	347.9	316.1	319.2	321.2	321.2
37.5°	576.8	575.7	561.4	547.0	480.3	412.6	372.5	331.5	337.6	342.8	335.6
40°	670.1	670.1	658.9	646.5	561.4	475.2	418.7	362.3	361.2	359.2	351.0
42.5°	760.5	763.5	756.4	749.2	649.6	550.1	476.2	402.3	393.1	383.8	375.6
45°	820.0	824.1	830.2	836.4	737.9	639.4	553.2	465.9	448.5	430.0	415.6
47.5°	880.5	874.4	882.6	890.8	806.6	722.5	628.1	533.7	504.9	476.2	460.8
50°	937.0	934.9	938.0	941.1	872.3	803.6	706.1	608.6	573.7	537.8	520.3
52.5°	1010.9	1003.7	999.6	995.5	937.0	878.5	786.1	692.7	651.7	609.6	589.1
55°	1081.7	1078.6	1072.4	1065.3	1015.0	964.7	867.2	769.7	726.6	683.5	659.9
57.5°	1154.5	1152.5	1151.5	1150.4	1106.3	1062.2	962.6	862.1	812.8	762.5	743.0
60°	1223.3	1224.3	1232.5	1239.7	1205.9	1172.0	1071.4	970.8	908.2	844.6	825.1
62.5°	1264.4	1267.4	1288.0	1307.5	1289.0	1270.5	1166.9	1062.2	996.5	929.8	916.5
65°	1212.0	1227.4	1286.9	1346.5	1346.5	1346.5	1252.0	1156.6	1099.1	1041.7	1030.4
67.5°	1095.0	1110.4	1195.6	1279.7	1323.9	1368.0	1306.4	1244.9	1205.9	1165.8	1151.5
70°	998.6	1007.8	1087.8	1166.9	1277.7	1388.5	1348.5	1307.5	1305.4	1302.3	1263.3
72.5°	917.5	938.0	1003.7	1068.3	1221.3	1374.2	1373.1	1372.1	1414.2	1456.3	1381.3
75°	733.8	731.7	793.3	854.9	1027.3	1198.7	1295.1	1390.6	1511.7	1631.8	1516.8
77.5°	327.4	350.0	408.5	466.9	621.9	775.9	961.6	1147.4	1414.2	1680.0	1563.0
80°	93.4	98.5	114.9	130.3	203.2	275.0	470.0	664.0	999.6	1334.1	1255.1
82.5°	49.3	51.3	61.6	70.8	91.3	110.8	184.7	257.6	546.0	833.3	761.5
85°	23.6	21.6	27.7	32.8	44.1	55.4	85.2	114.9	211.4	307.9	265.8
87.5°	5.1	5.1	6.2	6.2	9.2	12.3	18.5	24.6	23.6	21.6	25.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3
2.5°	324.3	325.3	326.4	325.3	324.3	323.3	323.3	322.2	322.2	321.2	319.2
5°	287.4	301.7	316.1	317.1	318.1	318.1	317.1	316.1	314.0	313.0	311.0
7.5°	286.3	281.2	276.1	277.1	278.1	279.1	279.1	276.1	275.0	266.8	258.6
10°	229.9	224.8	219.6	222.7	225.8	237.1	243.2	241.2	239.1	224.8	209.4
12.5°	221.7	219.6	217.6	202.2	186.8	200.1	209.4	208.3	205.3	191.9	178.6
15°	189.9	190.9	190.9	208.3	225.8	237.1	245.3	243.2	241.2	224.8	208.3
17.5°	231.9	220.6	208.3	205.3	202.2	207.3	200.1	188.8	196.0	194.0	191.9
20°	235.0	207.3	178.6	207.3	236.0	243.2	258.6	257.6	254.5	240.1	225.8
22.5°	212.4	228.9	244.3	228.9	213.5	203.2	198.1	196.0	195.0	199.1	202.2
25°	260.7	229.9	198.1	236.0	273.0	281.2	285.3	282.2	281.2	262.7	244.3
27.5°	234.0	250.4	266.8	279.1	291.5	301.7	332.5	302.7	301.7	284.3	265.8
30°	280.2	297.6	315.1	346.9	378.7	396.1	402.3	400.2	395.1	367.4	339.7
32.5°	294.5	329.4	363.3	377.7	391.0	409.5	418.7	417.7	412.6	379.7	345.8
35°	321.2	346.9	372.5	392.0	410.5	428.0	436.2	439.2	433.1	392.0	350.0
37.5°	328.4	361.2	394.1	414.6	435.1	448.5	455.7	464.9	457.7	408.5	358.2
40°	342.8	381.8	419.7	440.3	459.8	472.1	484.4	495.7	486.4	426.9	366.4
42.5°	366.4	406.4	445.4	469.0	491.6	509.0	523.4	538.8	521.3	444.4	366.4
45°	401.3	438.2	475.2	507.0	537.8	559.3	579.8	601.4	566.5	466.9	366.4
47.5°	445.4	481.3	516.2	566.5	616.8	636.3	660.9	681.4	625.0	495.7	366.4
50°	501.8	541.9	581.9	648.6	714.3	732.8	763.5	778.9	703.0	539.8	375.6
52.5°	567.5	611.7	654.8	732.8	810.7	841.5	882.6	892.8	782.0	583.9	384.8
55°	636.3	695.8	754.3	840.5	925.7	955.4	1013.9	1022.2	883.6	638.3	392.0
57.5°	723.5	793.3	862.1	946.2	1029.3	1071.4	1162.8	1165.8	1001.6	705.0	407.4
60°	805.6	892.8	979.1	1059.1	1139.1	1204.8	1310.5	1311.6	1112.5	755.3	397.2
62.5°	903.1	1006.8	1109.4	1178.1	1246.9	1328.0	1455.2	1436.8	1190.5	761.5	332.5
65°	1018.1	1124.8	1231.5	1290.0	1347.5	1439.8	1577.4	1506.6	1212.0	726.6	240.1
67.5°	1136.1	1235.6	1335.2	1381.3	1427.5	1544.5	1666.6	1514.8	1180.2	674.3	167.3
70°	1224.3	1317.7	1411.1	1451.1	1491.2	1617.4	1693.3	1461.4	1090.9	610.6	130.3
72.5°	1305.4	1393.7	1480.9	1501.4	1520.9	1585.6	1557.9	1288.0	919.5	514.2	107.8
75°	1401.9	1458.3	1513.7	1476.8	1439.8	1352.6	1195.6	939.0	673.2	382.8	92.4
77.5°	1446.0	1432.7	1418.3	1292.1	1165.8	931.8	743.0	542.9	341.7	210.4	79.0
80°	1176.1	1122.7	1068.3	856.9	645.5	441.3	289.4	183.7	125.2	94.4	63.6
82.5°	688.6	564.4	440.3	323.3	206.3	144.7	94.4	74.9	58.5	55.4	51.3
85°	222.7	197.0	171.4	135.5	99.5	61.6	35.9	32.8	30.8	33.9	35.9
87.5°	29.8	29.8	28.7	21.6	13.3	7.2	4.1	3.1	3.1	4.1	4.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3	323.3
2.5°	319.2	318.1	317.1	316.1	315.1	313.0	304.8	296.6	293.5	289.4	286.3
5°	300.7	290.4	283.2	276.1	273.0	268.9	269.9	270.9	272.0	272.0	272.0
7.5°	260.7	262.7	263.7	263.7	266.8	268.9	270.9	272.0	267.9	263.7	258.6
10°	207.3	204.2	208.3	211.4	216.5	220.6	234.0	247.3	259.6	272.0	277.1
12.5°	188.8	199.1	190.9	182.7	199.1	214.5	233.0	251.4	262.7	273.0	263.7
15°	191.9	174.5	176.5	177.5	198.1	217.6	206.3	195.0	226.8	257.6	266.8
17.5°	188.8	185.8	197.0	207.3	187.8	168.3	196.0	222.7	237.1	251.4	247.3
20°	204.2	181.6	181.6	181.6	199.1	216.5	203.2	189.9	205.3	220.6	246.3
22.5°	211.4	219.6	203.2	185.8	197.0	208.3	208.3	207.3	224.8	241.2	237.1
25°	213.5	182.7	197.0	210.4	203.2	195.0	204.2	212.4	217.6	222.7	245.3
27.5°	244.3	222.7	206.3	188.8	202.2	215.5	212.4	209.4	213.5	217.6	222.7
30°	289.4	239.1	220.6	201.1	194.0	185.8	195.0	203.2	218.6	234.0	254.5
32.5°	302.7	258.6	228.9	198.1	197.0	195.0	198.1	200.1	217.6	234.0	262.7
35°	300.7	250.4	221.7	191.9	185.8	179.6	184.7	188.8	214.5	240.1	267.9
37.5°	298.6	238.1	208.3	178.6	174.5	169.3	174.5	179.6	199.1	218.6	244.3
40°	295.6	223.7	195.0	165.2	160.1	155.0	160.1	164.2	179.6	195.0	215.5
42.5°	288.4	209.4	180.6	150.9	146.8	141.6	145.7	149.8	163.2	176.5	188.8
45°	280.2	192.9	165.2	137.5	133.4	129.3	132.4	134.4	146.8	158.0	164.2
47.5°	270.9	175.5	149.8	124.2	120.1	116.0	119.0	121.1	130.3	139.6	141.6
50°	268.9	161.1	137.5	112.9	109.8	105.7	107.8	109.8	117.0	123.2	123.2
52.5°	264.8	143.7	124.2	103.7	101.6	98.5	99.5	100.6	105.7	110.8	109.8
55°	261.7	131.4	113.9	96.5	94.4	91.3	92.4	93.4	98.5	102.6	101.6
57.5°	264.8	121.1	105.7	89.3	87.2	85.2	87.2	89.3	94.4	99.5	99.5
60°	254.5	110.8	96.5	82.1	81.1	79.0	84.2	88.3	96.5	103.7	105.7
62.5°	217.6	101.6	89.3	77.0	78.0	78.0	87.2	95.4	106.7	117.0	119.0
65°	167.3	94.4	84.2	72.9	78.0	83.1	95.4	107.8	118.0	128.3	125.2
67.5°	128.3	89.3	81.1	71.8	83.1	93.4	104.7	116.0	121.1	125.2	120.1
70°	107.8	84.2	78.0	70.8	82.1	93.4	104.7	116.0	118.0	120.1	114.9
72.5°	94.4	80.0	73.9	67.7	77.0	86.2	99.5	111.9	113.9	114.9	109.8
75°	84.2	74.9	67.7	60.5	69.8	78.0	91.3	104.7	106.7	107.8	103.7
77.5°	73.9	68.8	60.5	52.3	61.6	70.8	83.1	95.4	98.5	101.6	96.5
80°	61.6	58.5	52.3	46.2	56.4	65.7	77.0	88.3	91.3	94.4	89.3
82.5°	49.3	47.2	43.1	39.0	49.3	59.5	70.8	81.1	84.2	86.2	80.0
85°	35.9	35.9	33.9	31.8	42.1	51.3	58.5	65.7	64.7	63.6	59.5
87.5°	5.1	5.1	7.2	9.2	12.3	14.4	18.5	21.6	22.6	22.6	17.4
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):

	165°	170°	175°	180°
0°	323.3	323.3	323.3	323.3
2.5°	283.2	283.2	282.2	284.3
5°	272.0	273.0	273.0	274.0
7.5°	253.5	248.4	242.2	243.2
10°	282.2	283.2	284.3	284.3
12.5°	253.5	249.4	244.3	245.3
15°	275.0	278.1	281.2	282.2
17.5°	242.2	241.2	240.1	239.1
20°	270.9	276.1	281.2	281.2
22.5°	233.0	233.0	233.0	234.0
25°	267.9	274.0	279.1	279.1
27.5°	226.8	241.2	255.5	266.8
30°	274.0	277.1	280.2	281.2
32.5°	290.4	305.8	320.2	323.3
35°	294.5	301.7	307.9	311.0
37.5°	269.9	276.1	282.2	286.3
40°	235.0	240.1	245.3	248.4
42.5°	200.1	201.1	202.2	207.3
45°	170.4	165.2	160.1	159.1
47.5°	142.7	135.5	128.3	127.3
50°	122.1	116.0	109.8	109.8
52.5°	107.8	103.7	99.5	99.5
55°	100.6	98.5	95.4	95.4
57.5°	99.5	98.5	97.5	97.5
60°	106.7	107.8	107.8	107.8
62.5°	120.1	121.1	121.1	121.1
65°	121.1	119.0	117.0	117.0
67.5°	114.9	111.9	108.8	106.7
70°	108.8	106.7	103.7	100.6
72.5°	103.7	101.6	98.5	95.4
75°	98.5	95.4	91.3	89.3
77.5°	91.3	89.3	86.2	84.2
80°	83.1	81.1	78.0	73.9
82.5°	73.9	74.9	74.9	64.7
85°	54.4	51.3	47.2	39.0
87.5°	11.3	10.3	8.2	7.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)