

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: P560076

Luminaire Tested: **SDL-PA1-20-760-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-760-U-T2U-A
Description: Springdale
(1) 70 CRI, 5700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2619.1 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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



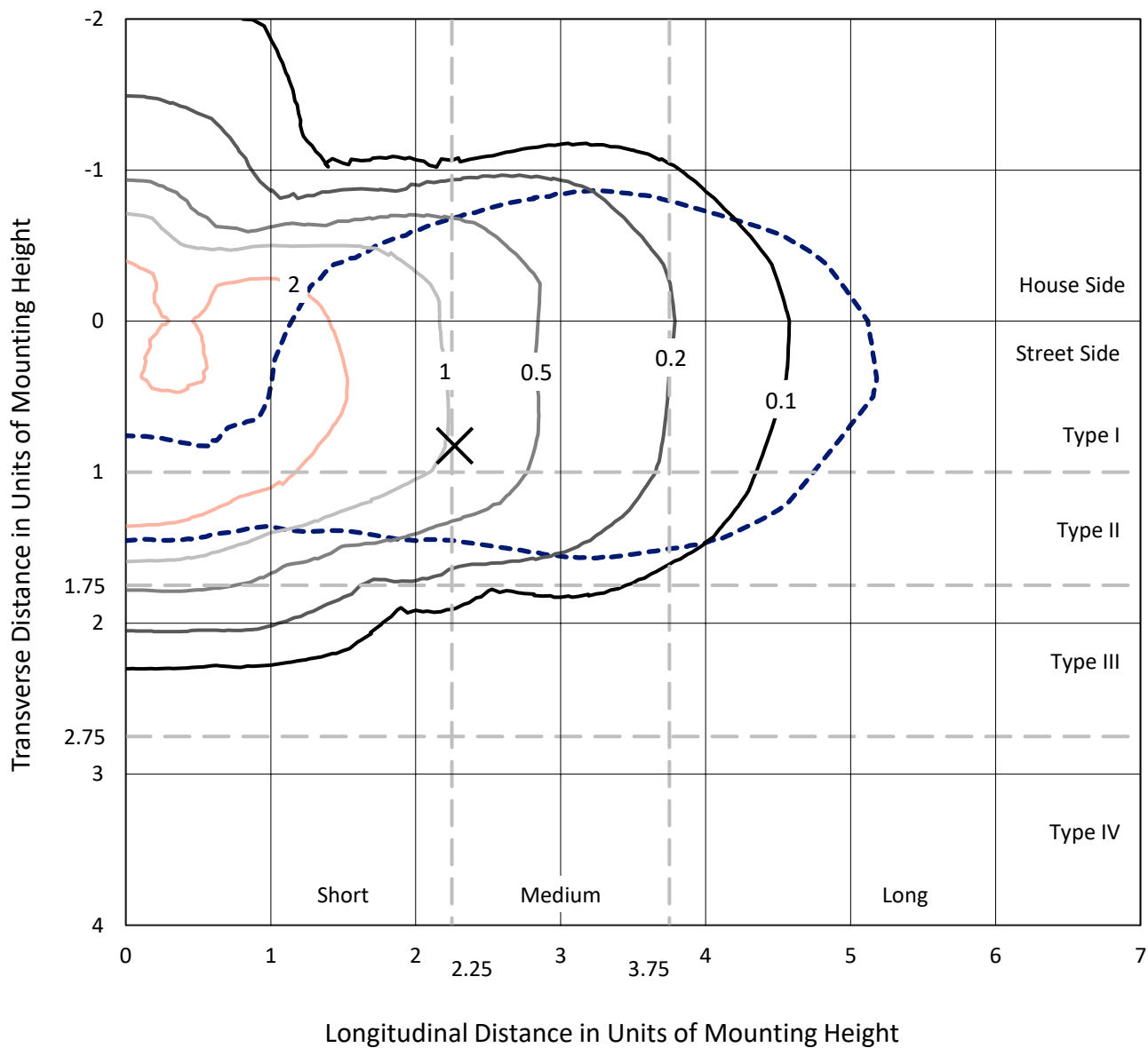
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



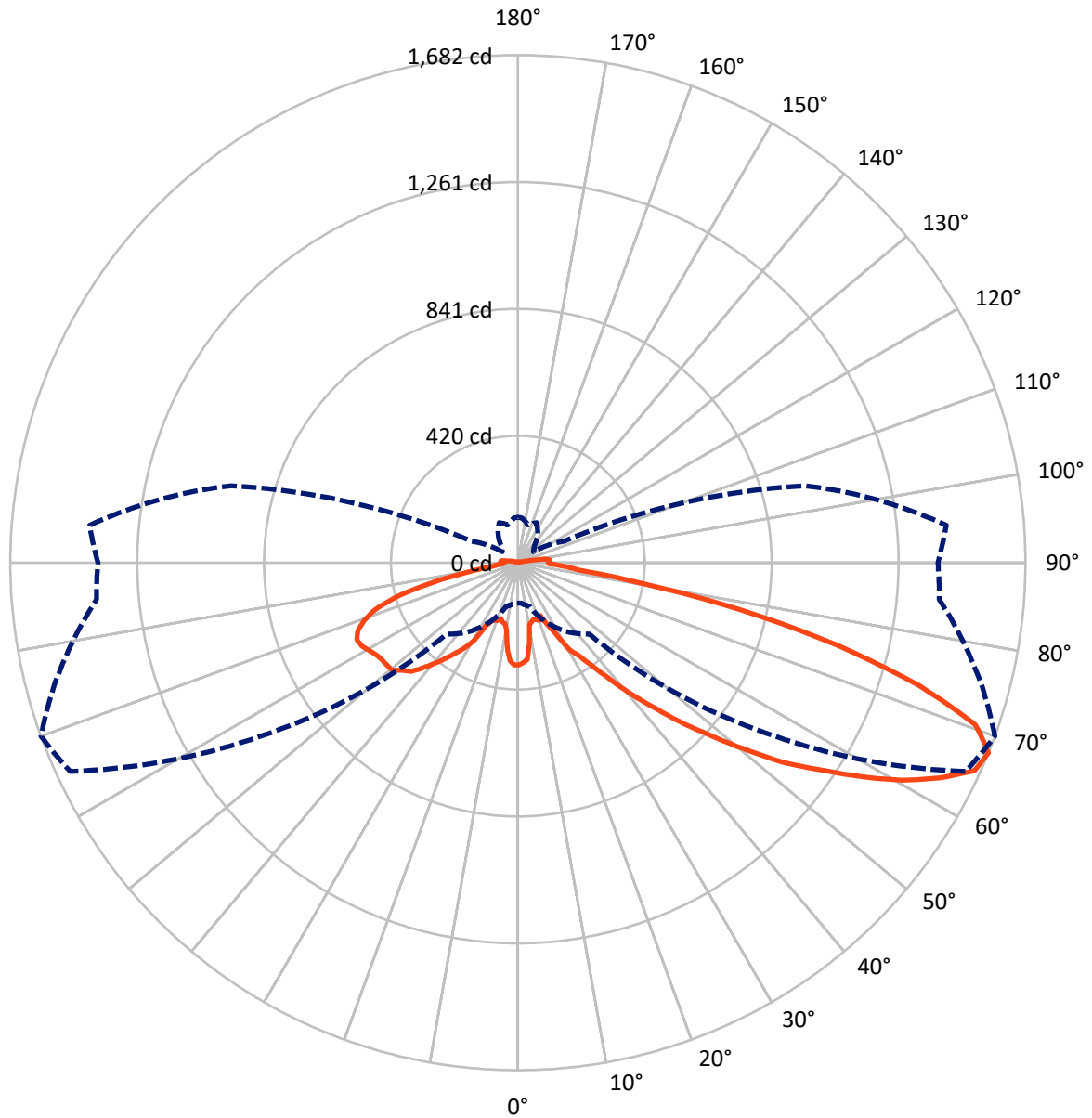
Based on 10 foot mounting height. Maximum calculated value = 4.4 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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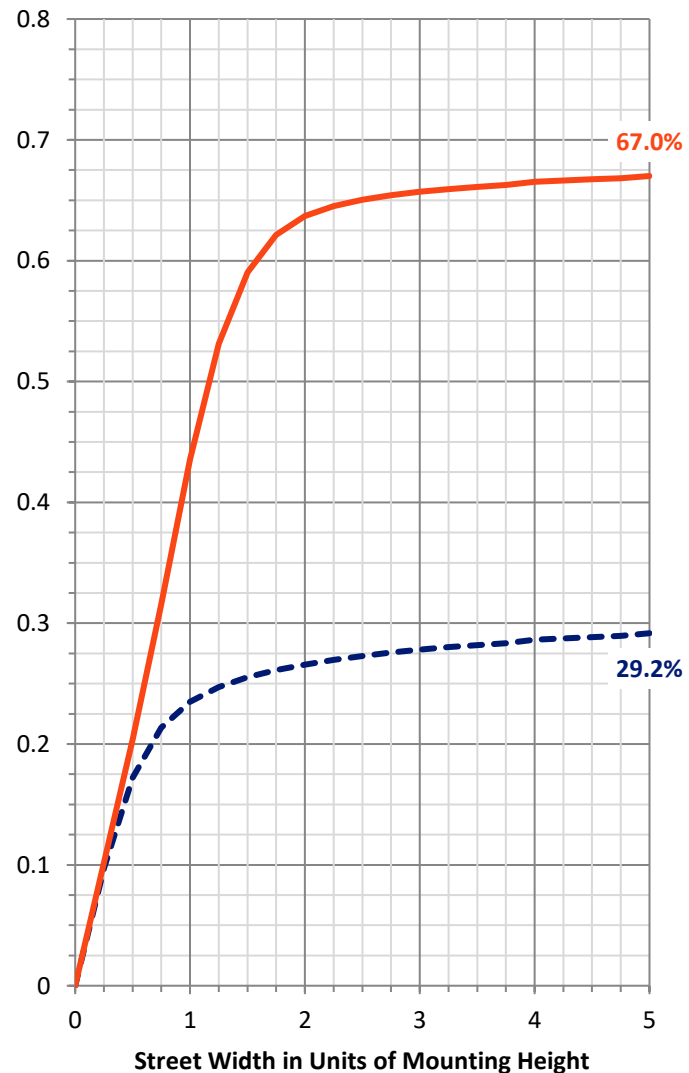
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.8	30.9	818.7
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	1770.5	29.9	1800.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	2558.3	60.8	2619.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	1.0
10°-20°	62.8	2.4
20°-30°	111.5	4.3
30°-40°	234.9	9.0
40°-50°	439.1	16.8
50°-60°	608.1	23.2
60°-70°	586.4	22.4
70°-80°	385.5	14.7
80°-90°	102.8	3.9
90°-100°	42.1	1.6
100°-110°	9.2	0.4
110°-120°	4.0	0.2
120°-130°	2.9	0.1
130°-140°	1.3	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2558.3	97.7
0°-180°	2619.1	100.0



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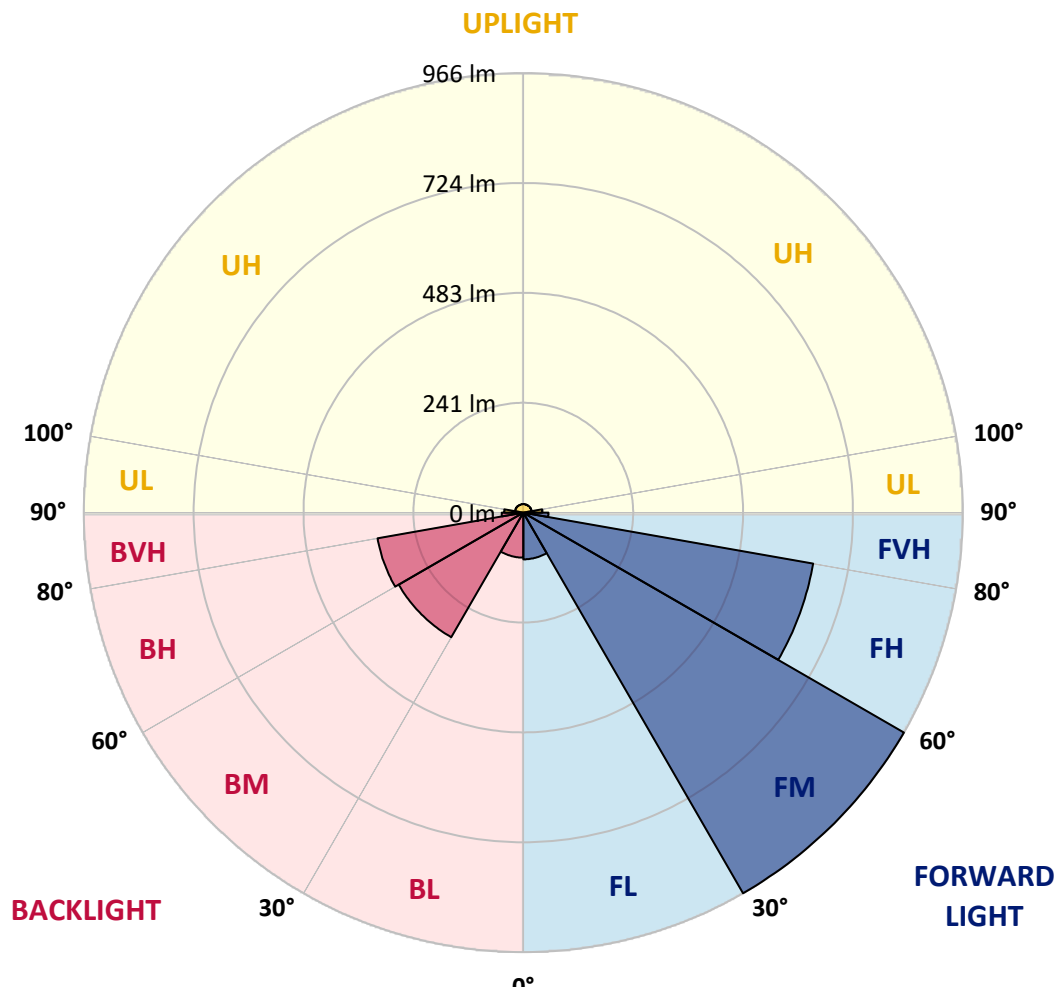
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.6	3.9			
FM	(30°-60°)	965.8	36.9			
FH	(60°-80°)	646.8	24.7			G0/660
FVH	(80°-90°)	55.3	2.1			G1/100
BL	(0°-30°)	98.8	3.8	B0/110		
BM	(30°-60°)	316.3	12.1	B1/1000		
BH	(60°-80°)	325.2	12.4	B1/500		G1/500
BVH	(80°-90°)	47.5	1.8			G1/100
UL	(90°-100°)	42.1	1.6		U2/50	
UH	(100°-180°)	18.6	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	283.0	305.9	298.9	320.9	325.9	330.9	331.9	332.9	331.9	332.9	334.9
5°	267.0	268.0	269.0	271.0	271.0	273.0	277.0	318.9	322.9	325.9	329.9
7.5°	223.0	233.0	252.0	259.0	262.0	266.0	268.0	268.0	272.0	282.0	289.0
10°	248.0	246.0	247.0	248.0	234.0	231.0	210.0	207.0	210.0	217.0	250.0
12.5°	208.0	218.0	239.0	244.0	227.0	201.0	198.0	202.0	201.0	181.0	212.0
15°	241.0	240.0	238.0	234.0	190.0	199.0	171.0	173.0	194.0	208.0	237.0
17.5°	210.0	209.0	237.0	229.0	200.0	155.0	195.0	181.0	198.0	183.0	196.0
20°	261.0	260.0	257.0	191.0	204.0	206.0	189.0	175.0	204.0	211.0	238.0
22.5°	237.0	237.0	256.0	251.0	207.0	218.0	180.0	213.0	191.0	194.0	180.0
25°	325.9	322.9	318.9	233.0	249.0	200.0	223.0	196.0	228.0	247.0	259.0
27.5°	315.9	309.9	305.9	308.9	250.0	262.0	221.0	244.0	263.0	271.0	301.9
30°	443.9	435.9	423.9	323.9	310.9	268.0	267.0	301.9	332.9	357.9	374.9
32.5°	565.9	567.9	505.9	434.9	343.9	357.9	317.9	353.9	363.9	389.9	399.9
35°	725.9	705.9	666.9	542.9	418.9	404.9	369.9	403.9	413.9	438.9	444.9
37.5°	851.9	852.9	792.9	652.9	501.9	489.9	428.9	463.9	481.9	509.9	499.9
40°	972.8	977.8	929.8	765.9	606.9	573.9	499.9	540.9	565.9	582.9	565.9
42.5°	1080.8	1079.8	1046.8	890.9	704.9	685.9	574.9	627.9	649.9	665.9	652.9
45°	1165.8	1162.8	1132.8	992.8	820.9	846.9	672.9	727.9	750.9	768.9	736.9
47.5°	1194.8	1178.8	1165.8	1066.8	928.8	988.8	793.9	824.9	851.9	882.9	830.9
50°	1163.8	1142.8	1147.8	1101.8	1019.8	1107.8	923.8	936.8	969.8	996.8	919.8
52.5°	1034.8	1029.8	1057.8	1066.8	1058.8	1198.8	1069.8	1032.8	1097.8	1100.8	1011.8
55°	864.9	858.9	924.8	961.8	1021.8	1234.8	1193.8	1167.8	1209.8	1204.8	1093.8
57.5°	696.9	692.9	752.9	813.9	917.8	1214.8	1280.8	1315.8	1336.8	1308.8	1169.8
60°	466.9	474.9	577.9	659.9	750.9	1094.8	1313.8	1453.8	1463.8	1403.8	1249.8
62.5°	297.9	308.9	374.9	508.9	560.9	888.9	1289.8	1576.7	1570.7	1489.7	1323.8
65°	191.0	195.0	227.0	344.9	401.9	588.9	1182.8	1660.7	1661.7	1566.7	1382.8
67.5°	134.0	135.0	150.0	215.0	278.0	334.9	961.8	1636.7	1681.7	1592.7	1401.8
70°	120.0	121.0	125.0	146.0	211.0	208.0	582.9	1462.8	1607.7	1558.7	1372.8
72.5°	107.0	108.0	115.0	127.0	162.0	163.0	279.0	1164.8	1389.8	1437.8	1286.8
75°	89.0	91.0	99.0	119.0	125.0	137.0	187.0	818.9	1093.8	1238.8	1184.8
77.5°	75.0	76.0	82.0	101.0	109.0	111.0	160.0	453.9	755.9	911.8	1043.8
80°	60.0	60.0	65.0	80.0	90.0	91.0	143.0	240.0	418.9	551.9	725.9
82.5°	39.0	40.0	46.0	60.0	67.0	90.0	127.0	175.0	205.0	266.0	329.9
85°	25.0	25.0	29.0	34.0	40.0	69.0	112.0	145.0	153.0	167.0	150.0
87.5°	12.0	12.0	11.0	13.0	15.0	26.0	78.0	103.0	104.0	102.0	110.0
90°	10.0	10.0	8.0	9.0	10.0	14.0	59.0	101.0	100.0	104.0	114.0
92.5°	11.0	11.0	8.0	9.0	10.0	12.0	43.0	102.0	105.0	110.0	121.0
95°	12.0	12.0	8.0	8.0	9.0	11.0	27.0	88.0	106.0	111.0	125.0
97.5°	11.0	11.0	6.0	7.0	8.0	10.0	17.0	66.0	83.0	87.0	99.0
100°	10.0	10.0	5.0	6.0	7.0	8.0	11.0	34.0	36.0	27.0	38.0
102.5°	9.0	10.0	4.0	5.0	5.0	5.0	7.0	16.0	16.0	9.0	10.0
105°	9.0	10.0	4.0	4.0	3.0	4.0	4.0	6.0	7.0	5.0	8.0
107.5°	10.0	10.0	4.0	4.0	3.0	3.0	3.0	4.0	5.0	4.0	8.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.0	6.0	3.0	4.0	2.0	2.0	2.0	3.0	4.0	5.0	11.0
115°	5.0	4.0	2.0	3.0	2.0	2.0	2.0	3.0	3.0	4.0	9.0
117.5°	5.0	4.0	2.0	2.0	1.0	2.0	2.0	3.0	3.0	4.0	8.0
120°	5.0	5.0	2.0	1.0	1.0	1.0	1.0	2.0	3.0	5.0	9.0
122.5°	6.0	5.0	2.0	2.0	1.0	1.0	1.0	2.0	3.0	5.0	9.0
125°	6.0	6.0	3.0	2.0	1.0	1.0	1.0	2.0	3.0	4.0	8.0
127.5°	6.0	5.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	3.0	7.0
130°	5.0	5.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0
132.5°	4.0	4.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
137.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	2.0	4.0	3.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0
152.5°	3.0	3.0	4.0	3.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0
157.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	335.9	335.9	338.9	339.9	338.9	337.9	331.9	313.9	302.9	303.9	303.9
5°	330.9	331.9	334.9	316.9	295.0	297.0	299.9	300.9	300.9	302.9	302.9
7.5°	292.0	293.0	285.0	288.0	295.0	299.9	301.9	297.0	281.0	275.0	275.0
10°	253.0	253.0	225.0	226.0	234.0	249.0	296.0	300.9	305.9	306.9	305.9
12.5°	214.0	215.0	192.0	221.0	211.0	238.0	273.0	301.9	279.0	256.0	259.0
15°	239.0	241.0	216.0	190.0	195.0	235.0	204.0	280.0	282.0	282.0	282.0
17.5°	192.0	203.0	191.0	196.0	216.0	177.0	231.0	256.0	235.0	229.0	229.0
20°	239.0	239.0	218.0	189.0	200.0	230.0	205.0	228.0	268.0	268.0	267.0
22.5°	178.0	178.0	191.0	219.0	201.0	227.0	217.0	236.0	213.0	213.0	219.0
25°	257.0	254.0	232.0	194.0	229.0	210.0	218.0	206.0	241.0	244.0	242.0
27.5°	309.9	307.9	249.0	223.0	215.0	224.0	196.0	192.0	185.0	213.0	210.0
30°	366.9	361.9	325.9	269.0	236.0	189.0	177.0	184.0	204.0	205.0	204.0
32.5°	393.9	382.9	342.9	321.9	241.0	195.0	159.0	164.0	203.0	215.0	215.0
35°	430.9	418.9	373.9	350.9	240.0	172.0	141.0	159.0	183.0	184.0	184.0
37.5°	481.9	463.9	425.9	367.9	224.0	152.0	130.0	141.0	158.0	163.0	165.0
40°	540.9	517.9	483.9	378.9	201.0	128.0	116.0	130.0	143.0	139.0	139.0
42.5°	623.9	589.9	540.9	395.9	172.0	113.0	106.0	119.0	128.0	130.0	129.0
45°	701.9	659.9	607.9	401.9	140.0	102.0	99.0	113.0	122.0	119.0	119.0
47.5°	789.9	736.9	657.9	387.9	115.0	96.0	99.0	109.0	113.0	118.0	118.0
50°	876.9	819.9	730.9	365.9	102.0	92.0	99.0	105.0	113.0	116.0	115.0
52.5°	955.8	905.8	774.9	326.9	95.0	89.0	96.0	105.0	115.0	120.0	120.0
55°	1041.8	990.8	814.9	292.0	89.0	83.0	99.0	109.0	112.0	115.0	115.0
57.5°	1106.8	1066.8	858.9	261.0	85.0	83.0	101.0	114.0	113.0	116.0	116.0
60°	1185.8	1150.8	898.8	246.0	79.0	79.0	105.0	123.0	115.0	124.0	124.0
62.5°	1269.8	1248.8	937.8	235.0	73.0	77.0	106.0	130.0	119.0	133.0	134.0
65°	1350.8	1354.8	973.8	209.0	68.0	77.0	108.0	139.0	123.0	141.0	143.0
67.5°	1391.8	1424.8	983.8	168.0	63.0	76.0	114.0	146.0	129.0	149.0	150.0
70°	1383.8	1426.8	960.8	124.0	59.0	80.0	123.0	152.0	132.0	159.0	159.0
72.5°	1313.8	1344.8	892.8	94.0	55.0	77.0	125.0	154.0	134.0	175.0	175.0
75°	1214.8	1182.8	734.9	78.0	52.0	77.0	122.0	152.0	132.0	171.0	170.0
77.5°	1053.8	946.8	506.9	69.0	49.0	74.0	114.0	148.0	126.0	159.0	161.0
80°	675.9	582.9	259.0	60.0	52.0	71.0	110.0	137.0	117.0	142.0	143.0
82.5°	307.9	259.0	118.0	53.0	51.0	64.0	100.0	122.0	102.0	121.0	120.0
85°	130.0	132.0	93.0	45.0	45.0	50.0	74.0	95.0	79.0	85.0	83.0
87.5°	101.0	97.0	64.0	27.0	29.0	22.0	48.0	68.0	52.0	55.0	54.0
90°	107.0	105.0	68.0	28.0	21.0	13.0	36.0	53.0	39.0	35.0	34.0
92.5°	114.0	113.0	76.0	30.0	21.0	11.0	31.0	43.0	28.0	24.0	23.0
95°	122.0	122.0	83.0	32.0	21.0	11.0	28.0	33.0	21.0	16.0	15.0
97.5°	97.0	99.0	71.0	33.0	20.0	11.0	25.0	27.0	16.0	9.0	9.0
100°	39.0	43.0	39.0	33.0	18.0	9.0	20.0	21.0	11.0	5.0	5.0
102.5°	9.0	11.0	27.0	29.0	14.0	6.0	13.0	13.0	7.0	3.0	3.0
105°	9.0	8.0	18.0	23.0	8.0	4.0	6.0	8.0	4.0	2.0	2.0
107.5°	9.0	9.0	8.0	11.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	11.0	5.0	4.0	3.0	3.0	2.0	2.0	3.0	10.0	10.0
115°	10.0	9.0	5.0	3.0	3.0	3.0	2.0	1.0	3.0	11.0	11.0
117.5°	9.0	8.0	5.0	3.0	2.0	3.0	2.0	1.0	3.0	11.0	11.0
120°	10.0	9.0	5.0	3.0	2.0	2.0	2.0	1.0	3.0	10.0	10.0
122.5°	10.0	10.0	6.0	2.0	2.0	1.0	2.0	1.0	3.0	9.0	9.0
125°	9.0	8.0	5.0	2.0	1.0	1.0	1.0	1.0	4.0	8.0	9.0
127.5°	8.0	7.0	4.0	2.0	1.0	1.0	1.0	1.0	3.0	6.0	7.0
130°	6.0	6.0	3.0	2.0	1.0	1.0	1.0	1.0	3.0	6.0	5.0
132.5°	4.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	3.0	4.0	4.0
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	3.0	3.0	2.0
155°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0
160°	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



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110° | 9.0 9.0 3.0 4.0 2.0 2.0 2.0 3.0 4.0 9.0



110° | 10.0 9.0 4.0 4.0 3.0 3.0 2.0 2.0 1.0 6.0 7.0



(END OF REPORT)