

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: P560185

Luminaire Tested: **SDL-PA1-30-730-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-730-U-T2R
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3430.3 lumens
Efficiency: N/A
Efficacy: 114.0 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 - 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



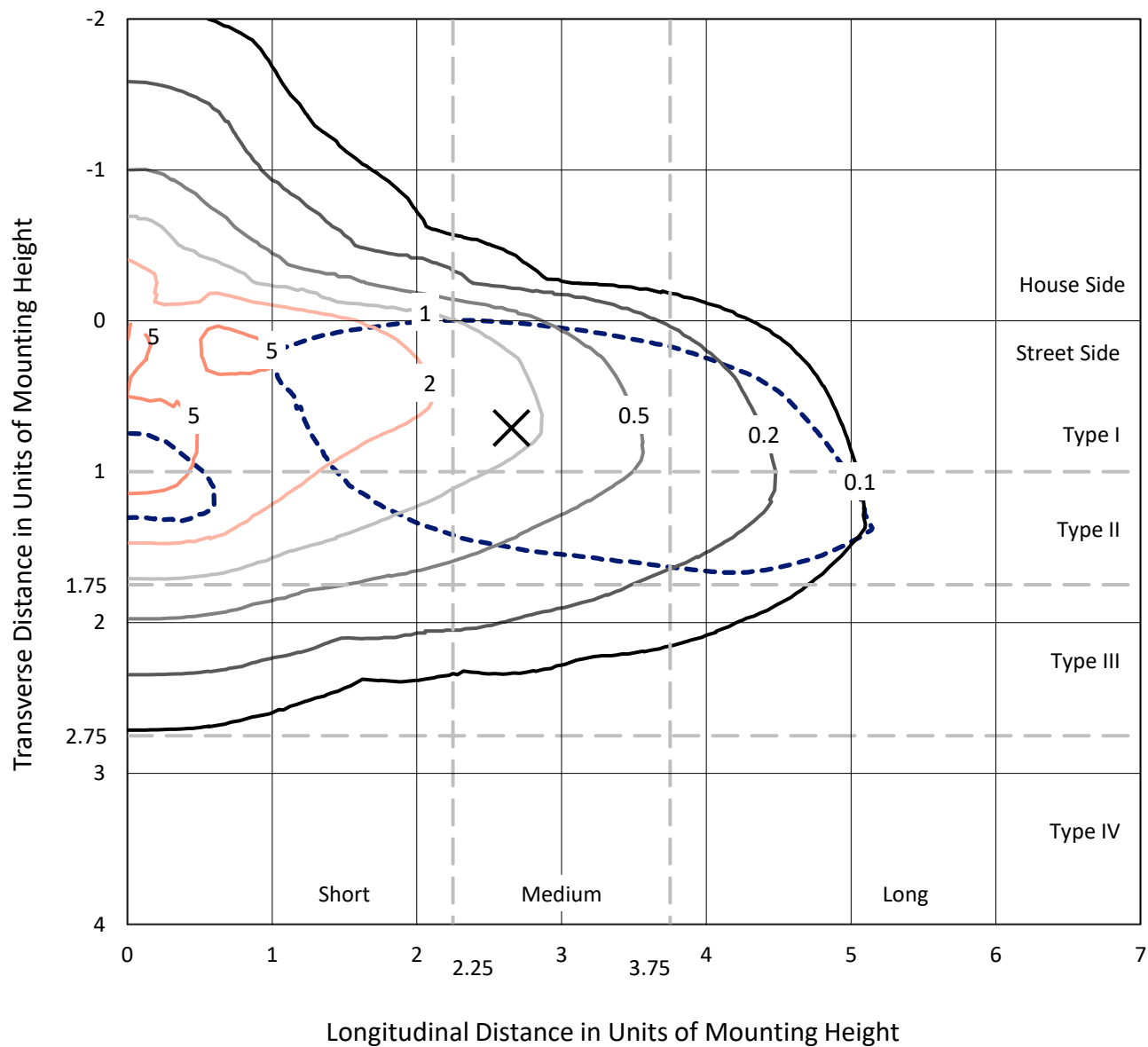
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



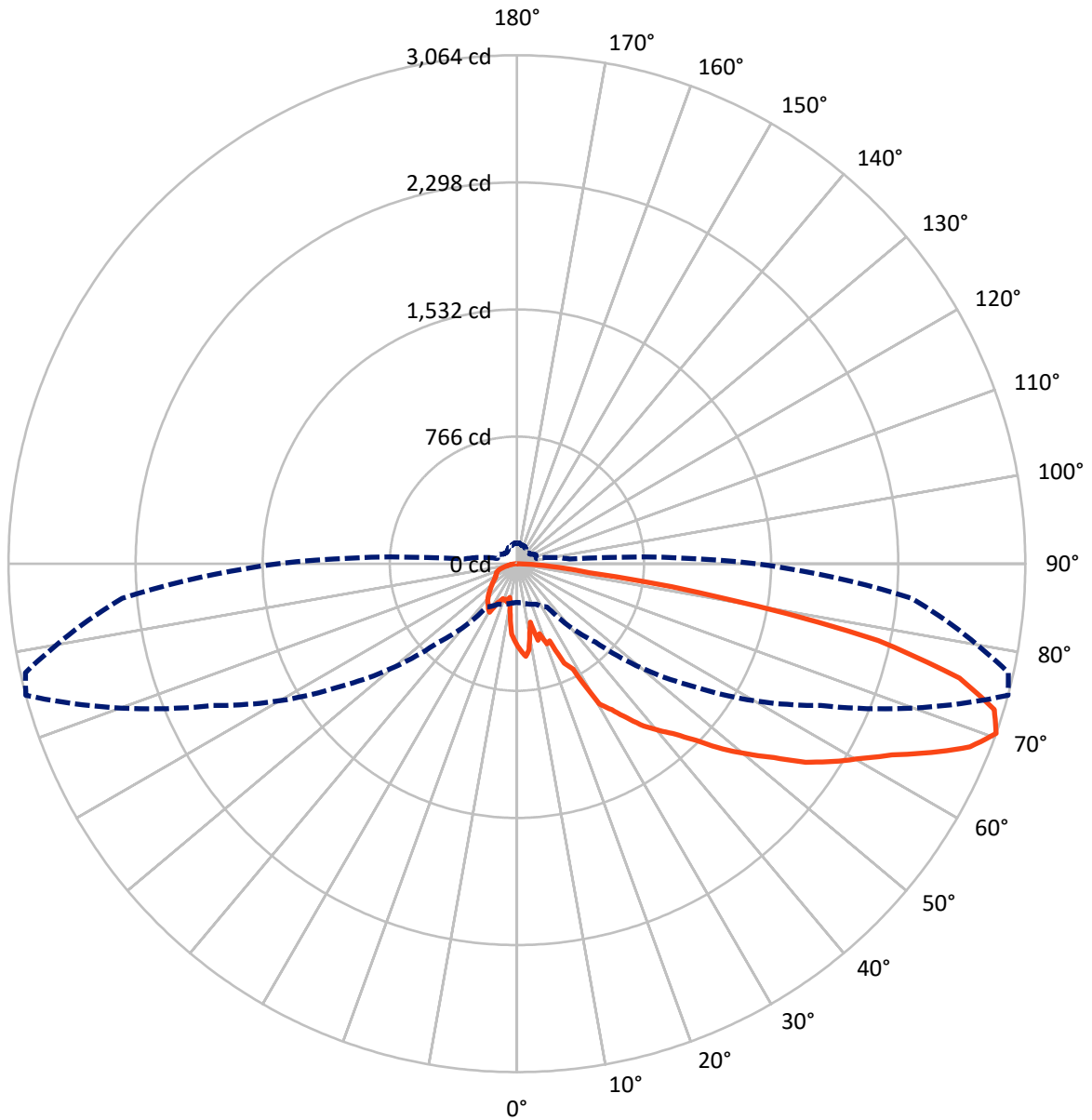
Based on 10 foot mounting height. Maximum calculated value = 7.8 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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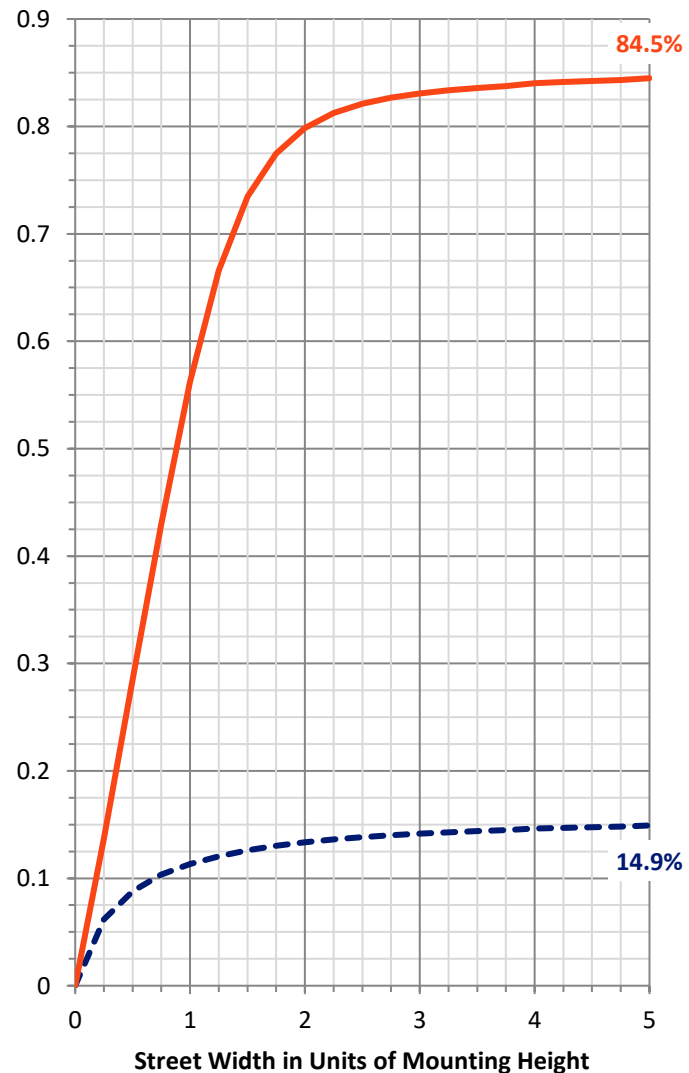
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	521.8	0.0	521.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2908.4	0.0	2908.4
	% Fixture	84.8	0.0	84.8
Total	Lumens	3430.3	0.0	3430.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	1.2
10°-20°	109.0	3.2
20°-30°	199.2	5.8
30°-40°	404.4	11.8
40°-50°	620.7	18.1
50°-60°	748.3	21.8
60°-70°	723.7	21.1
70°-80°	502.0	14.6
80°-90°	82.0	2.4
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°	3430.3	100.0
0°-180°	3430.3	100.0



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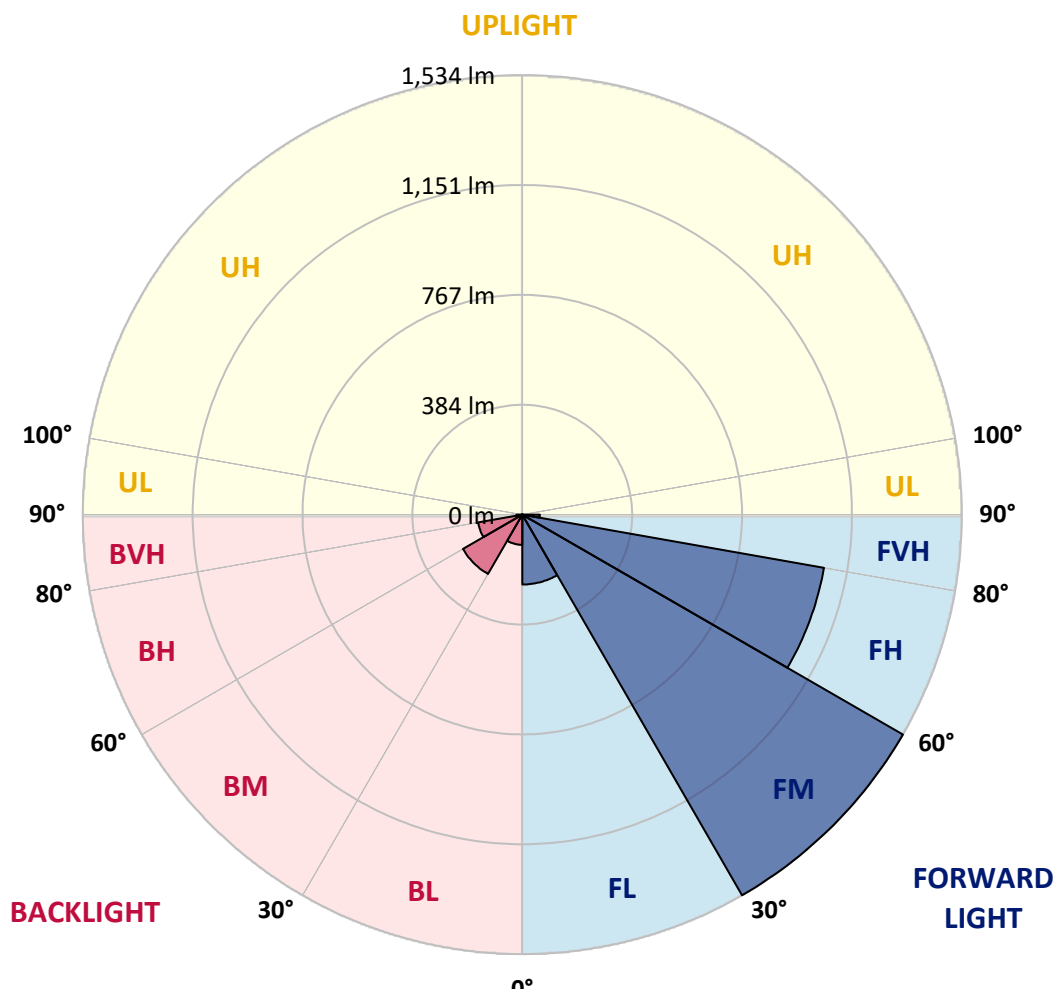
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.8	7.1			
FM	(30°-60°)	1534.1	44.7			
FH	(60°-80°)	1069.1	31.2			G1/1800
FVH	(80°-90°)	61.4	1.8			G1/100
BL	(0°-30°)	105.4	3.1	B0/110		
BM	(30°-60°)	239.3	7.0	B1/1000		
BH	(60°-80°)	156.5	4.6	B1/500		G1/500
BVH	(80°-90°)	20.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7
2.5°	514.7	563.9	539.9	567.6	581.5	572.7	565.1	546.2	529.8	523.5	507.1
5°	567.6	566.4	560.1	557.5	546.2	532.3	521.0	584.0	561.3	550.0	521.0
7.5°	503.3	546.2	577.7	594.1	594.1	577.7	560.1	483.1	522.2	512.1	470.5
10°	632.0	632.0	630.7	632.0	518.4	546.2	469.2	436.5	422.6	455.4	422.6
12.5°	537.4	584.0	637.0	655.9	604.2	515.9	480.6	461.7	362.0	354.5	374.6
15°	632.0	635.8	640.8	563.9	479.3	547.5	418.8	415.0	479.3	468.0	473.0
17.5°	507.1	512.1	621.9	608.0	557.5	415.0	522.2	466.7	442.8	427.6	426.4
20°	639.5	642.1	640.8	480.6	514.7	565.1	541.1	411.2	515.9	522.2	528.5
22.5°	541.1	542.4	548.7	611.8	521.0	589.1	488.2	613.0	505.8	521.0	393.6
25°	727.8	727.8	705.1	551.2	630.7	537.4	594.1	527.3	663.5	645.8	591.6
27.5°	678.6	673.6	647.1	682.4	568.9	679.9	587.8	662.2	720.3	695.0	717.7
30°	953.6	959.9	925.9	708.9	692.5	652.2	677.4	784.6	980.1	966.2	862.8
32.5°	1276.6	1217.3	1062.1	918.3	756.9	796.0	756.9	925.9	1049.5	1052.0	913.3
35°	1433.0	1427.9	1361.1	1083.6	870.4	870.4	848.9	966.2	1139.1	1122.7	967.5
37.5°	1557.8	1550.3	1503.6	1224.8	972.6	967.5	898.1	1028.1	1241.2	1199.6	1026.8
40°	1663.8	1653.7	1613.4	1323.2	1083.6	1059.6	958.7	1098.7	1320.7	1324.5	1083.6
42.5°	1734.4	1730.7	1701.7	1412.8	1175.6	1132.8	1039.4	1189.5	1405.2	1426.7	1154.2
45°	1790.0	1788.7	1763.5	1511.2	1241.2	1199.6	1125.2	1257.6	1521.3	1533.9	1229.9
47.5°	1796.3	1801.3	1801.3	1560.4	1286.6	1258.9	1213.5	1318.2	1668.9	1642.4	1318.2
50°	1730.7	1735.7	1767.2	1642.4	1325.7	1308.1	1289.2	1391.3	1803.8	1764.7	1411.5
52.5°	1562.9	1574.2	1660.0	1602.0	1345.9	1344.7	1359.8	1485.9	1941.3	1899.7	1535.1
55°	1202.1	1209.7	1422.9	1483.4	1339.6	1353.5	1412.8	1603.3	2111.6	2075.0	1665.1
57.5°	918.3	939.8	1073.5	1258.9	1270.2	1345.9	1446.8	1685.3	2249.1	2212.5	1784.9
60°	739.2	754.3	832.5	995.3	1121.4	1313.1	1493.5	1787.4	2382.8	2365.2	1913.6
62.5°	579.0	589.1	643.3	750.5	910.7	1236.2	1522.5	1898.4	2536.7	2527.9	2081.3
65°	415.0	425.1	473.0	543.7	703.9	1091.1	1508.7	2004.4	2743.6	2734.8	2244.1
67.5°	302.7	305.3	336.8	384.7	499.5	883.0	1440.5	2071.2	2945.4	2927.7	2368.9
70°	233.4	235.9	251.0	268.7	319.1	668.6	1281.6	2020.8	3064.0	3033.7	2387.9
72.5°	189.2	189.2	195.5	204.3	218.2	436.5	1006.6	1822.7	3008.5	2949.2	2230.2
75°	158.9	158.9	162.7	160.2	152.6	272.5	700.1	1522.5	2754.9	2680.5	1941.3
77.5°	133.7	132.4	132.4	133.7	118.6	185.4	427.6	1173.1	2226.4	2154.5	1439.3
80°	109.7	109.7	109.7	109.7	97.1	132.4	254.8	778.3	1279.1	1116.4	659.7
82.5°	80.7	82.0	85.8	85.8	80.7	97.1	132.4	325.4	437.7	387.3	233.4
85°	37.8	39.1	50.5	53.0	51.7	47.9	69.4	146.3	204.3	185.4	54.2
87.5°	1.3	1.3	5.0	11.4	10.1	7.6	13.9	20.2	7.6	8.8	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7
2.5°	495.7	484.4	457.9	435.2	411.2	394.8	358.2	331.8	317.9	315.4	319.1
5°	498.3	473.0	420.1	353.2	302.7	290.1	285.1	283.8	282.6	282.6	282.6
7.5°	439.0	406.2	326.7	277.5	285.1	285.1	285.1	281.3	258.6	248.5	248.5
10°	387.3	344.4	243.5	224.5	225.8	237.1	267.4	299.0	305.3	306.5	307.8
12.5°	335.5	293.9	206.9	218.2	196.8	233.4	276.3	307.8	277.5	262.4	262.4
15°	422.6	363.3	239.7	191.7	194.3	233.4	210.7	285.1	305.3	306.5	307.8
17.5°	380.9	320.4	223.3	201.8	213.2	177.9	240.9	269.9	248.5	246.0	243.5
20°	462.9	380.9	233.4	200.6	199.3	215.7	204.3	204.3	277.5	277.5	277.5
22.5°	343.1	282.6	227.1	225.8	190.5	213.2	203.1	227.1	218.2	214.4	214.4
25°	503.3	398.6	248.5	198.0	204.3	188.0	209.4	186.7	230.8	233.4	233.4
27.5°	604.2	468.0	269.9	219.5	188.0	201.8	172.8	188.0	177.9	179.1	179.1
30°	720.3	548.7	335.5	229.6	193.0	166.5	171.6	162.7	193.0	189.2	188.0
32.5°	751.8	553.8	322.9	243.5	188.0	167.8	155.2	167.8	179.1	195.5	195.5
35°	788.4	558.8	305.3	232.1	184.2	156.4	153.9	167.8	181.6	176.6	176.6
37.5°	822.4	562.6	291.4	218.2	169.0	152.6	152.6	155.2	169.0	161.5	161.5
40°	861.5	563.9	275.0	203.1	156.4	150.1	141.3	143.8	145.1	140.0	138.8
42.5°	905.7	562.6	256.1	189.2	145.1	140.0	133.7	133.7	137.5	136.2	135.0
45°	953.6	561.3	235.9	172.8	132.4	126.1	122.4	137.5	143.8	143.8	141.3
47.5°	1011.7	561.3	217.0	153.9	123.6	113.5	111.0	127.4	140.0	142.5	145.1
50°	1078.5	558.8	199.3	140.0	114.8	106.0	109.7	126.1	136.2	140.0	138.8
52.5°	1165.5	553.8	184.2	128.7	108.5	97.1	103.4	122.4	135.0	136.2	135.0
55°	1241.2	536.1	169.0	123.6	103.4	92.1	99.7	121.1	132.4	132.4	132.4
57.5°	1305.6	510.9	156.4	119.8	102.2	90.8	98.4	119.8	127.4	131.2	131.2
60°	1383.8	479.3	147.6	118.6	100.9	89.6	97.1	118.6	124.9	129.9	129.9
62.5°	1464.5	452.8	142.5	118.6	97.1	90.8	97.1	118.6	123.6	129.9	128.7
65°	1530.1	418.8	137.5	121.1	95.9	90.8	97.1	118.6	122.4	128.7	128.7
67.5°	1526.3	372.1	131.2	127.4	97.1	92.1	97.1	117.3	119.8	128.7	126.1
70°	1440.5	317.9	121.1	126.1	100.9	92.1	95.9	113.5	114.8	126.1	122.4
72.5°	1285.4	257.3	107.2	118.6	100.9	93.3	93.3	108.5	108.5	121.1	113.5
75°	1076.0	198.0	88.3	104.7	95.9	95.9	88.3	102.2	99.7	107.2	99.7
77.5°	802.3	150.1	68.1	87.0	87.0	94.6	84.5	94.6	90.8	92.1	88.3
80°	334.3	90.8	51.7	68.1	74.4	92.1	80.7	85.8	76.9	76.9	74.4
82.5°	138.8	58.0	35.3	42.9	50.5	82.0	76.9	73.2	63.1	58.0	54.2
85°	50.5	31.5	24.0	29.0	32.8	56.8	55.5	46.7	36.6	40.4	32.8
87.5°	3.8	5.0	5.0	6.3	6.3	7.6	12.6	12.6	7.6	6.3	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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°	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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110°	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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(END OF REPORT)