

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: P561040

Luminaire Tested: **SDL-PA1-80-727-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-727-U-T2R-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6396.7 lumens
Efficiency: N/A
Efficacy: 78.0 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 - U3 - G2

Input Watts (W): 82
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



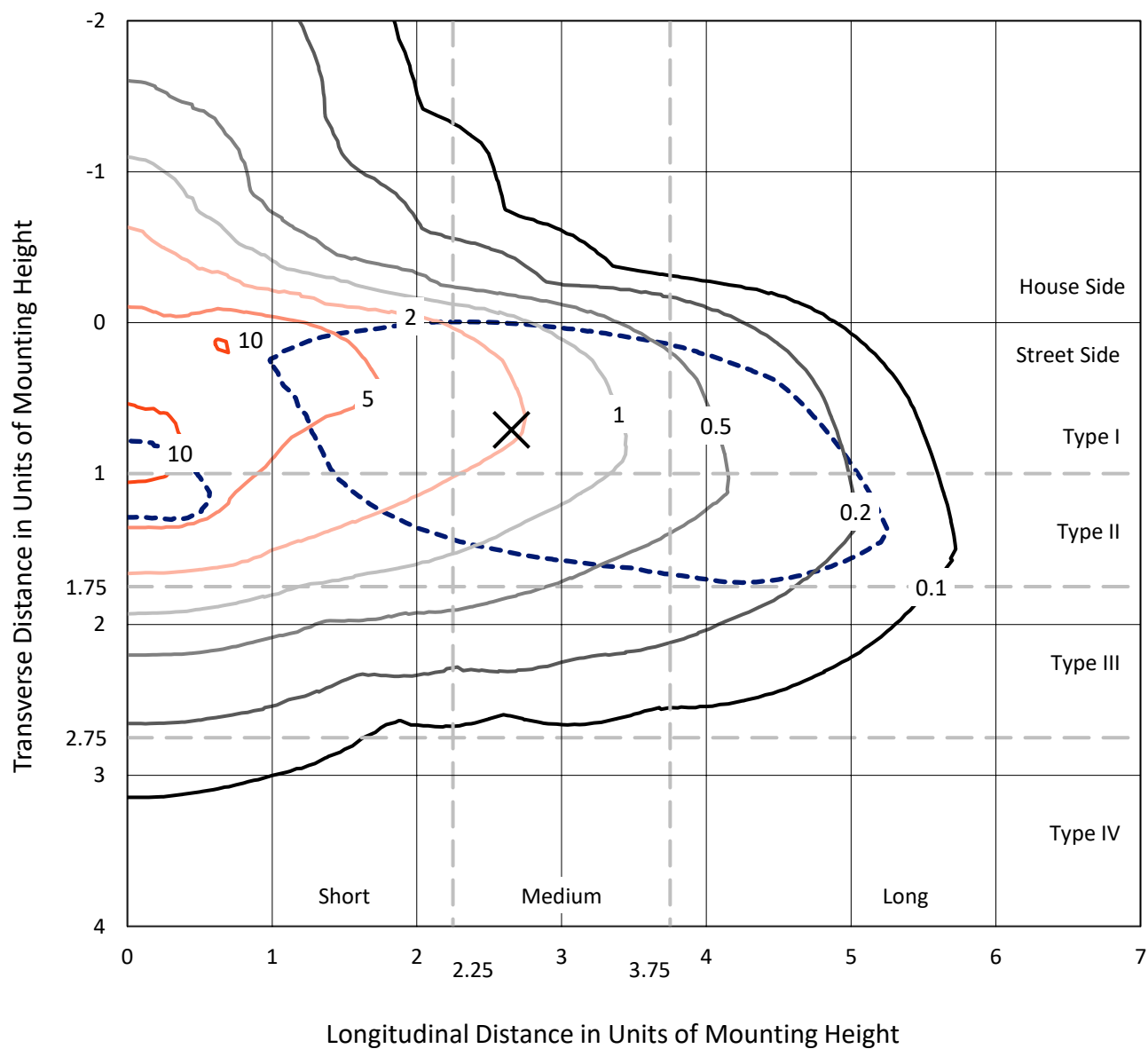
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

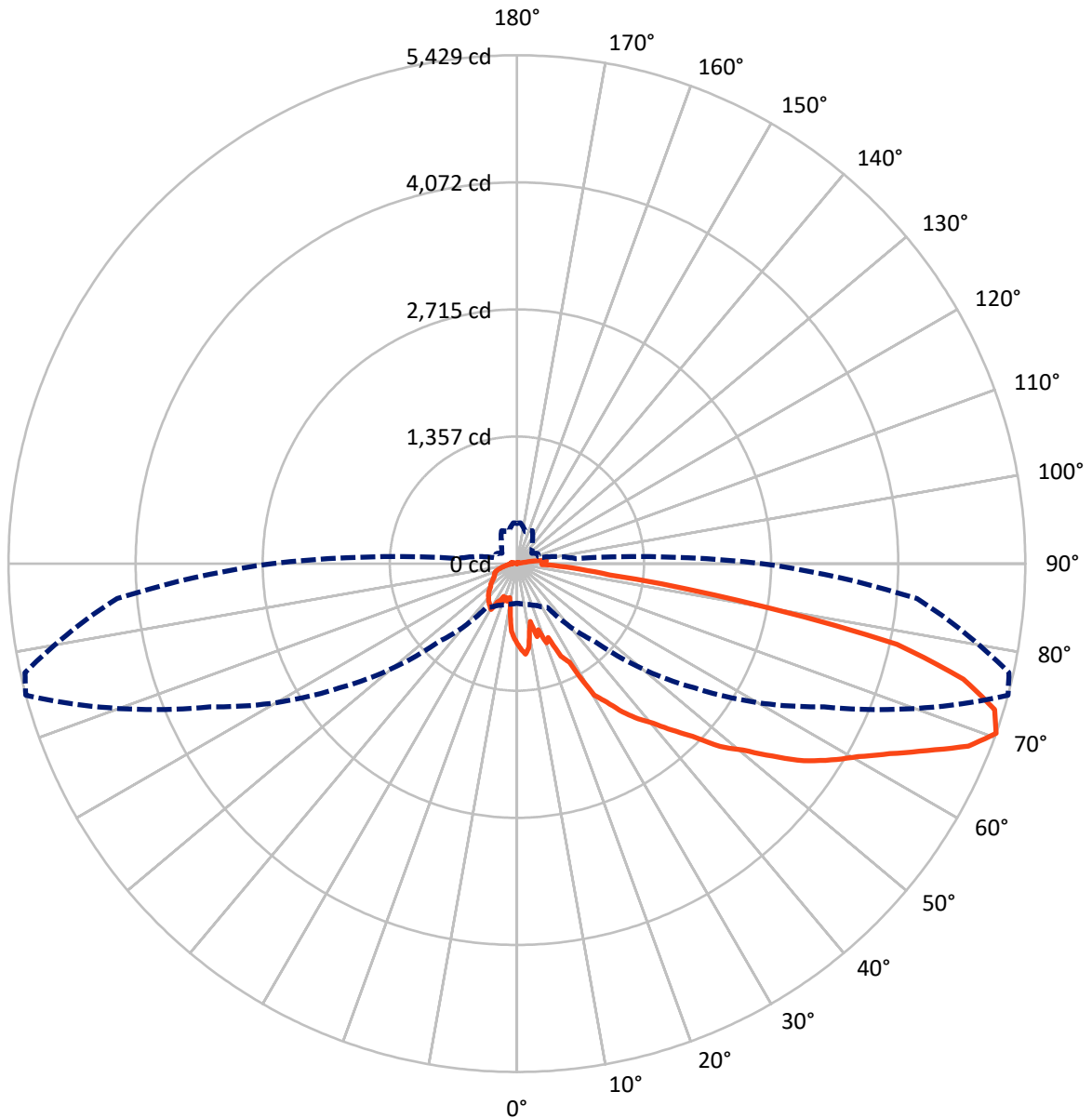


Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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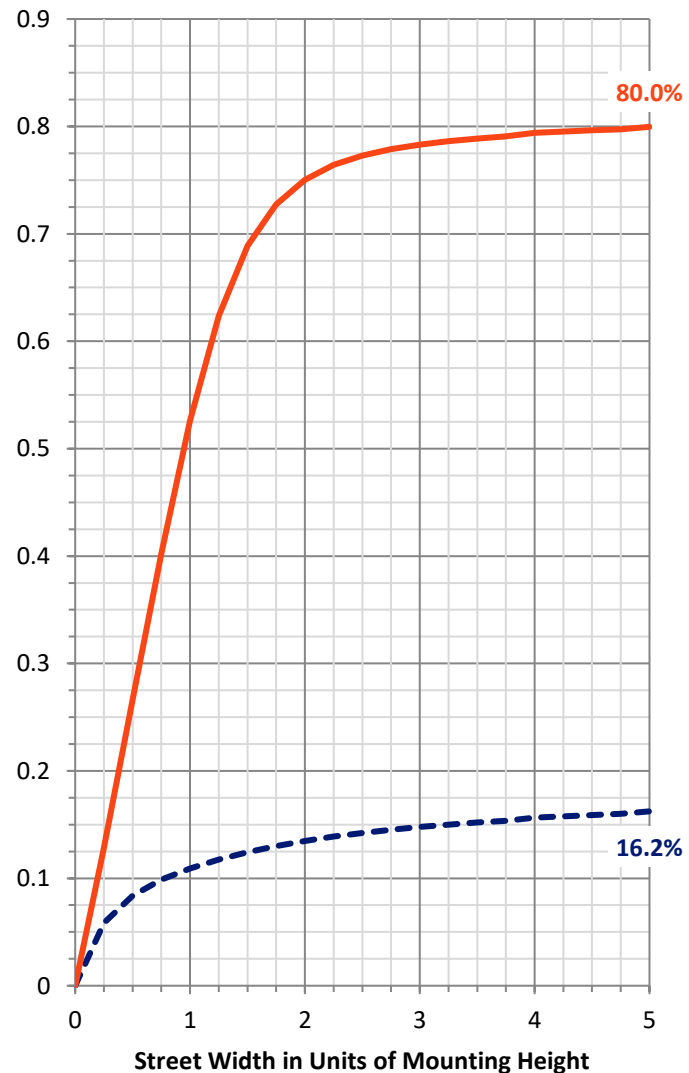
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1093.6	65.4	1159.0
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	5155.0	82.8	5237.7
	% Fixture	80.6	1.3	81.9
Total	Lumens	6248.6	148.1	6396.7
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	1.1
10°-20°	186.6	2.9
20°-30°	336.9	5.3
30°-40°	688.3	10.8
40°-50°	1080.9	16.9
50°-60°	1327.3	20.7
60°-70°	1320.1	20.6
70°-80°	976.4	15.3
80°-90°	260.9	4.1
90°-100°	96.4	1.5
100°-110°	22.6	0.4
110°-120°	10.7	0.2
120°-130°	9.5	0.1
130°-140°	4.6	0.1
140°-150°	2.3	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6248.6	97.7
0°-180°	6396.7	100.0



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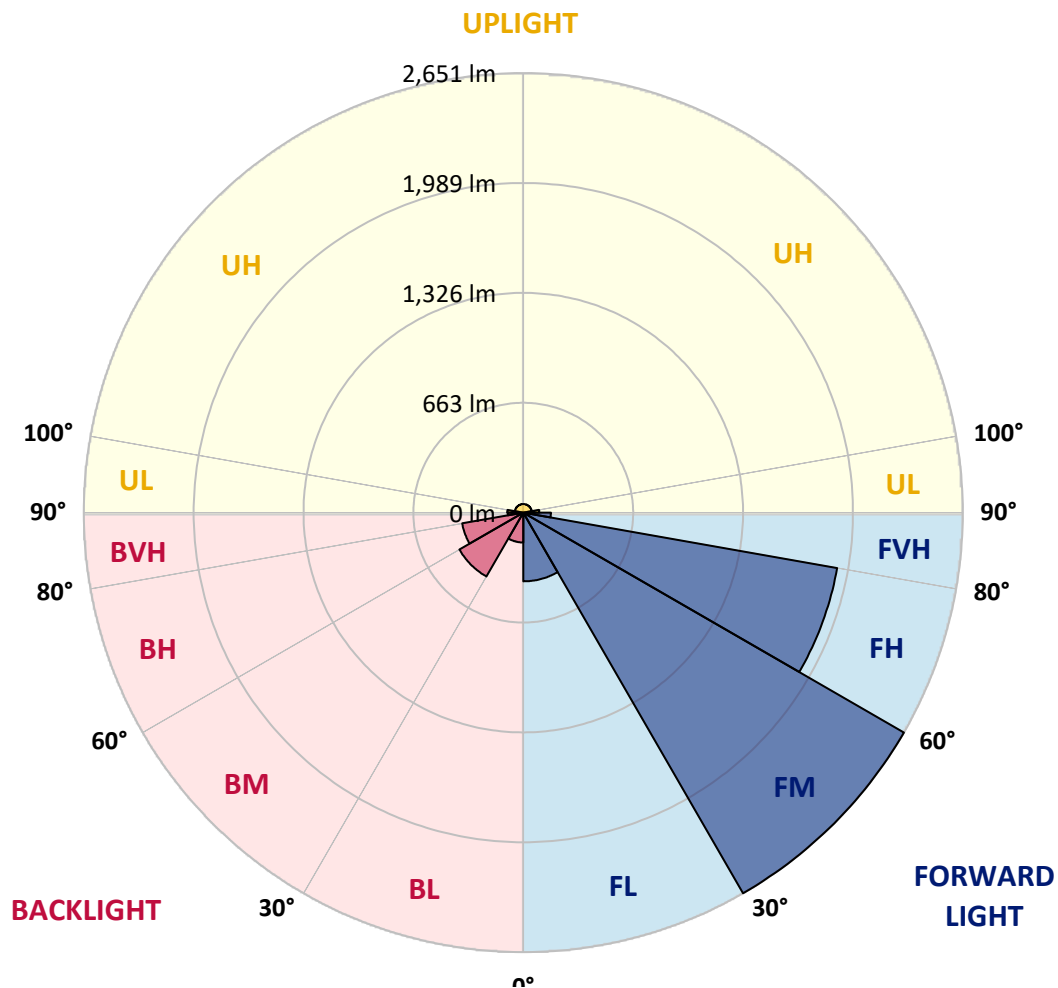
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	414.6	6.5			
FM	(30°-60°)	2651.5	41.5			
FH	(60°-80°)	1922.4	30.1			G2/5000
FVH	(80°-90°)	166.5	2.6			G2/225
BL	(0°-30°)	180.2	2.8	B1/500		
BM	(30°-60°)	445.0	7.0	B1/1000		
BH	(60°-80°)	374.1	5.8	B1/500		G1/500
BVH	(80°-90°)	94.3	1.5			G1/100
UL	(90°-100°)	96.4	1.5		U3/500	
UH	(100°-180°)	51.7	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4
2.5°	889.9	939.9	962.4	987.4	1009.9	997.4	977.4	947.4	919.9	909.9	879.9
5°	982.4	977.4	974.9	967.4	954.9	932.4	904.9	1012.4	969.9	952.4	902.4
7.5°	864.9	1002.4	1017.4	1032.4	1027.4	999.9	964.9	867.4	904.9	882.4	819.9
10°	1057.4	1057.4	1052.4	1057.4	999.9	954.9	817.4	759.9	732.4	792.4	734.9
12.5°	899.9	979.9	1079.9	1099.9	1012.4	887.4	829.9	802.4	632.4	624.9	669.9
15°	1047.4	1059.9	1062.4	1067.4	862.4	929.9	767.4	712.4	807.4	784.9	792.4
17.5°	842.4	854.9	1017.4	1007.4	927.4	742.4	897.4	804.9	742.4	714.9	704.9
20°	1059.9	1062.4	1054.9	852.4	894.9	969.9	839.9	814.9	904.9	902.4	864.9
22.5°	902.4	904.9	932.4	1027.4	924.9	979.9	844.9	1017.4	857.4	859.9	667.4
25°	1207.4	1209.9	1184.9	914.9	1039.9	919.9	1024.9	914.9	1094.9	1059.9	977.4
27.5°	1267.3	1174.9	1079.9	1134.9	992.4	1142.4	974.9	1107.4	1189.9	1182.4	1194.9
30°	1607.3	1612.3	1547.3	1242.3	1162.4	1127.4	1124.9	1314.8	1629.8	1642.3	1434.8
32.5°	2177.2	2147.2	1827.3	1532.3	1252.3	1374.8	1262.3	1522.3	1762.3	1754.8	1537.3
35°	2437.2	2407.2	2287.2	1892.3	1447.3	1484.8	1424.8	1619.8	1944.8	1887.3	1639.8
37.5°	2657.2	2652.2	2552.2	2084.7	1644.8	1699.8	1522.3	1739.8	2102.2	2042.2	1744.8
40°	2847.2	2829.7	2742.2	2257.2	1847.3	1849.8	1644.8	1884.8	2242.2	2257.2	1847.3
42.5°	3004.6	2989.6	2917.1	2429.7	1967.3	1982.3	1774.8	2032.3	2429.7	2457.2	2007.3
45°	3069.6	3077.1	3027.1	2584.7	2074.7	2102.2	1929.8	2182.2	2629.7	2652.2	2149.7
47.5°	3117.1	3119.6	3107.1	2712.2	2189.7	2202.2	2082.2	2317.2	2919.6	2874.6	2317.2
50°	3009.6	2999.6	3012.1	2809.7	2289.7	2304.7	2209.7	2457.2	3127.1	3069.6	2492.2
52.5°	2727.2	2739.7	2869.6	2759.7	2322.2	2352.2	2329.7	2579.7	3414.6	3369.6	2742.2
55°	2017.3	2072.2	2447.2	2554.7	2319.7	2372.2	2439.7	2812.2	3717.0	3649.6	2954.6
57.5°	1632.3	1632.3	1852.3	2204.7	2192.2	2359.7	2552.2	2969.6	3957.0	3909.5	3167.1
60°	1309.8	1309.8	1429.8	1749.8	1944.8	2297.2	2667.2	3202.1	4184.5	4157.0	3354.6
62.5°	1027.4	1024.9	1124.9	1304.8	1594.8	2159.7	2727.2	3402.1	4469.5	4464.5	3654.6
65°	742.4	752.4	837.4	949.9	1252.3	1902.3	2724.7	3582.1	4811.9	4826.9	3992.0
67.5°	549.9	554.9	602.4	684.9	859.9	1577.3	2604.7	3707.0	5199.4	5174.4	4207.0
70°	422.4	429.9	449.9	492.4	572.4	1172.4	2314.7	3619.6	5429.3	5381.8	4287.0
72.5°	355.0	357.5	355.0	377.5	382.5	794.9	1854.8	3287.1	5334.3	5259.4	4067.0
75°	302.5	300.0	297.5	302.5	282.5	524.9	1329.8	2782.2	4924.4	4794.4	3592.1
77.5°	260.0	257.5	247.5	250.0	225.0	387.5	907.4	2182.2	4149.5	3844.5	2699.7
80°	215.0	215.0	207.5	207.5	190.0	295.0	579.9	1504.8	2417.2	2174.7	1404.8
82.5°	167.5	165.0	165.0	170.0	162.5	230.0	380.0	749.9	997.4	934.9	657.4
85°	90.0	90.0	102.5	115.0	112.5	140.0	290.0	442.4	589.9	569.9	367.5
87.5°	27.5	27.5	30.0	37.5	40.0	75.0	182.5	215.0	267.5	295.0	290.0
90°	30.0	27.5	20.0	22.5	25.0	55.0	170.0	207.5	270.0	300.0	307.5
92.5°	35.0	32.5	20.0	20.0	25.0	45.0	162.5	202.5	295.0	325.0	332.5
95°	37.5	35.0	20.0	20.0	25.0	40.0	145.0	200.0	315.0	355.0	355.0
97.5°	35.0	32.5	15.0	17.5	22.5	35.0	112.5	165.0	220.0	242.5	280.0
100°	30.0	30.0	10.0	15.0	20.0	25.0	65.0	90.0	65.0	62.5	62.5
102.5°	27.5	27.5	10.0	12.5	15.0	17.5	30.0	47.5	15.0	17.5	22.5
105°	27.5	30.0	7.5	10.0	10.0	10.0	15.0	25.0	12.5	15.0	22.5
107.5°	27.5	30.0	7.5	7.5	10.0	7.5	7.5	10.0	12.5	15.0	25.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	17.5	17.5	5.0	7.5	7.5	7.5	5.0	7.5	12.5	17.5	25.0
115°	12.5	10.0	5.0	7.5	5.0	7.5	5.0	7.5	12.5	17.5	22.5
117.5°	10.0	7.5	5.0	5.0	5.0	5.0	2.5	7.5	15.0	20.0	27.5
120°	10.0	10.0	5.0	5.0	5.0	5.0	2.5	7.5	22.5	25.0	35.0
122.5°	10.0	10.0	5.0	5.0	5.0	5.0	2.5	5.0	20.0	27.5	37.5
125°	10.0	10.0	5.0	5.0	5.0	5.0	2.5	5.0	17.5	25.0	32.5
127.5°	10.0	10.0	5.0	2.5	5.0	5.0	5.0	5.0	15.0	20.0	27.5
130°	10.0	10.0	5.0	2.5	5.0	5.0	5.0	5.0	12.5	15.0	22.5
132.5°	7.5	7.5	5.0	2.5	5.0	2.5	2.5	5.0	10.0	12.5	17.5
135°	5.0	5.0	5.0	2.5	5.0	2.5	2.5	2.5	5.0	7.5	12.5
137.5°	2.5	5.0	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0
140°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	10.0	7.5	5.0	2.5	2.5	2.5	2.5	2.5
150°	12.5	12.5	12.5	10.0	7.5	5.0	7.5	2.5	2.5	2.5	2.5
152.5°	12.5	12.5	15.0	7.5	5.0	2.5	2.5	10.0	7.5	5.0	5.0
155°	10.0	7.5	7.5	2.5	2.5	2.5	2.5	2.5	7.5	10.0	10.0
157.5°	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5	2.5
160°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4
2.5°	862.4	842.4	794.9	759.9	717.4	679.9	647.4	574.9	562.4	554.9	552.4
5°	862.4	819.9	727.4	614.9	527.4	507.4	497.4	497.4	492.4	494.9	497.4
7.5°	764.9	707.4	567.4	479.9	494.9	494.9	497.4	484.9	444.9	449.9	442.4
10°	669.9	597.4	427.4	390.0	427.4	429.9	487.4	509.9	517.4	519.9	519.9
12.5°	617.4	514.9	370.0	382.5	345.0	395.0	464.9	519.9	472.4	447.4	447.4
15°	709.9	609.9	414.9	335.0	340.0	395.0	352.5	492.4	509.9	514.9	514.9
17.5°	637.4	537.4	380.0	345.0	380.0	325.0	397.5	452.4	432.4	409.9	407.5
20°	764.9	634.9	424.9	337.5	335.0	385.0	352.5	370.0	462.4	464.9	462.4
22.5°	594.9	507.4	377.5	382.5	335.0	367.5	347.5	382.5	365.0	362.5	365.0
25°	824.9	657.4	434.9	330.0	350.0	325.0	350.0	322.5	387.5	392.5	395.0
27.5°	1009.9	784.9	462.4	357.5	305.0	332.5	312.5	322.5	300.0	312.5	317.5
30°	1202.4	914.9	564.9	395.0	322.5	285.0	290.0	287.5	325.0	322.5	317.5
32.5°	1264.8	932.4	539.9	412.4	320.0	287.5	265.0	282.5	310.0	332.5	335.0
35°	1327.3	944.9	519.9	395.0	312.5	270.0	260.0	290.0	312.5	315.0	322.5
37.5°	1399.8	954.9	499.9	370.0	290.0	265.0	257.5	270.0	320.0	315.0	307.5
40°	1467.3	959.9	474.9	347.5	265.0	260.0	240.0	270.0	282.5	292.5	297.5
42.5°	1587.3	989.9	454.9	327.5	247.5	247.5	230.0	252.5	290.0	295.0	292.5
45°	1674.8	979.9	427.4	310.0	230.0	220.0	225.0	275.0	292.5	322.5	317.5
47.5°	1799.8	1004.9	395.0	282.5	215.0	202.5	212.5	267.5	300.0	322.5	327.5
50°	1922.3	999.9	367.5	260.0	205.0	192.5	235.0	260.0	295.0	332.5	332.5
52.5°	2082.2	1007.4	355.0	240.0	192.5	192.5	242.5	262.5	302.5	327.5	327.5
55°	2224.7	979.9	325.0	232.5	190.0	185.0	245.0	272.5	305.0	327.5	330.0
57.5°	2329.7	924.9	302.5	225.0	187.5	190.0	245.0	295.0	285.0	327.5	335.0
60°	2444.7	864.9	282.5	225.0	187.5	197.5	252.5	312.5	312.5	342.5	342.5
62.5°	2602.2	827.4	272.5	227.5	182.5	205.0	275.0	340.0	315.0	362.5	365.0
65°	2734.7	777.4	265.0	237.5	185.0	215.0	287.5	362.5	330.0	385.0	382.5
67.5°	2737.2	702.4	255.0	247.5	187.5	222.5	287.5	377.5	347.5	405.0	397.5
70°	2617.2	627.4	240.0	247.5	195.0	230.0	287.5	387.5	350.0	437.4	429.9
72.5°	2359.7	512.4	217.5	237.5	207.5	240.0	302.5	385.0	350.0	472.4	464.9
75°	2007.3	409.9	187.5	217.5	207.5	252.5	312.5	382.5	337.5	449.9	434.9
77.5°	1527.3	335.0	157.5	190.0	197.5	257.5	312.5	377.5	327.5	419.9	409.9
80°	787.4	235.0	127.5	162.5	185.0	252.5	310.0	357.5	292.5	372.5	367.5
82.5°	432.4	172.5	102.5	120.0	155.0	237.5	300.0	322.5	257.5	305.0	292.5
85°	280.0	125.0	82.5	97.5	130.0	197.5	252.5	255.0	182.5	220.0	207.5
87.5°	210.0	72.5	52.5	60.0	90.0	110.0	160.0	165.0	115.0	135.0	127.5
90°	220.0	72.5	55.0	62.5	80.0	82.5	117.5	125.0	90.0	102.5	102.5
92.5°	235.0	72.5	57.5	65.0	72.5	65.0	92.5	102.5	75.0	82.5	80.0
95°	240.0	70.0	62.5	67.5	65.0	52.5	75.0	82.5	62.5	62.5	62.5
97.5°	175.0	50.0	62.5	67.5	60.0	42.5	57.5	65.0	40.0	32.5	32.5
100°	47.5	25.0	60.0	65.0	52.5	35.0	50.0	50.0	25.0	17.5	17.5
102.5°	20.0	20.0	52.5	57.5	40.0	22.5	35.0	35.0	17.5	7.5	7.5
105°	20.0	15.0	37.5	42.5	27.5	12.5	17.5	20.0	12.5	7.5	7.5
107.5°	20.0	15.0	17.5	22.5	12.5	10.0	10.0	10.0	7.5	7.5	7.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.0	17.5	10.0	12.5	10.0	7.5	7.5	7.5	10.0	22.5	22.5
115°	22.5	15.0	10.0	10.0	7.5	7.5	5.0	5.0	10.0	27.5	27.5
117.5°	25.0	17.5	10.0	10.0	7.5	5.0	5.0	5.0	12.5	32.5	32.5
120°	30.0	20.0	10.0	7.5	5.0	5.0	5.0	5.0	15.0	35.0	35.0
122.5°	32.5	22.5	10.0	7.5	5.0	2.5	5.0	7.5	17.5	35.0	35.0
125°	27.5	20.0	10.0	7.5	5.0	2.5	5.0	7.5	17.5	32.5	35.0
127.5°	25.0	17.5	10.0	5.0	5.0	2.5	2.5	7.5	15.0	25.0	30.0
130°	20.0	15.0	7.5	5.0	5.0	2.5	2.5	5.0	15.0	22.5	27.5
132.5°	17.5	12.5	7.5	5.0	5.0	2.5	2.5	5.0	15.0	20.0	20.0
135°	12.5	10.0	5.0	5.0	5.0	2.5	5.0	2.5	10.0	17.5	17.5
137.5°	7.5	5.0	5.0	5.0	5.0	2.5	2.5	2.5	7.5	10.0	10.0
140°	2.5	2.5	5.0	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
142.5°	2.5	2.5	5.0	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
145°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0
147.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0
150°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	5.0	5.0	5.0	5.0
152.5°	2.5	2.5	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0	5.0
155°	7.5	7.5	5.0	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0
157.5°	2.5	2.5	5.0	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
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°	25.0	25.0	5.0	7.5	7.5	7.5	5.0	7.5	12.5	17.5	25.0
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110°	22.5	15.0	10.0	12.5	10.0	7.5	7.5	7.5	7.5	10.0	12.5
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(END OF REPORT)