

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: P561208

Luminaire Tested: **SDL-PA1-90-722-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561208
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-PA1-90-722-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2200K, 1180mA 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: 5444.5 lumens
Efficiency: N/A
Efficacy: 58.9 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): 92.4
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

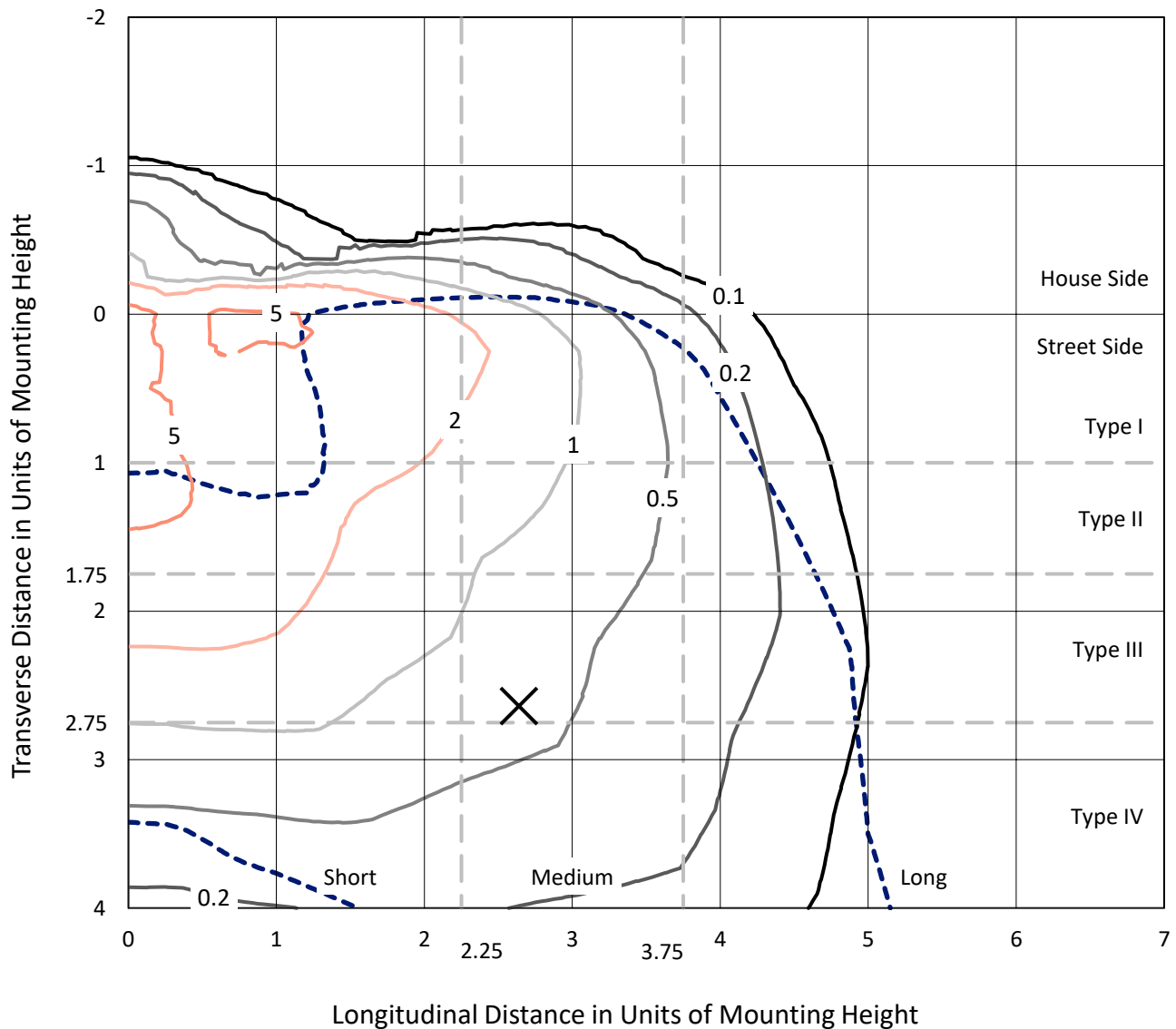


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

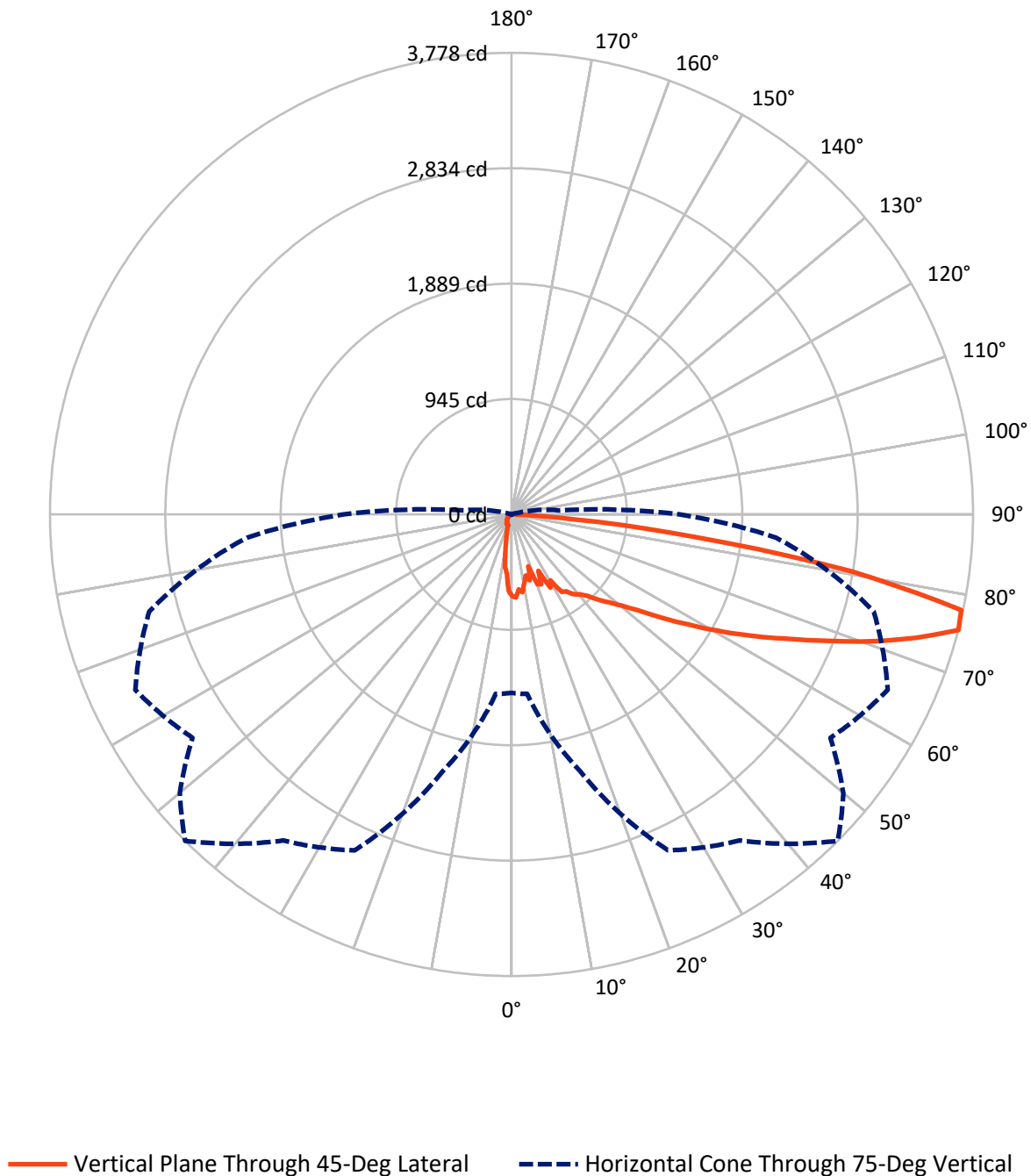


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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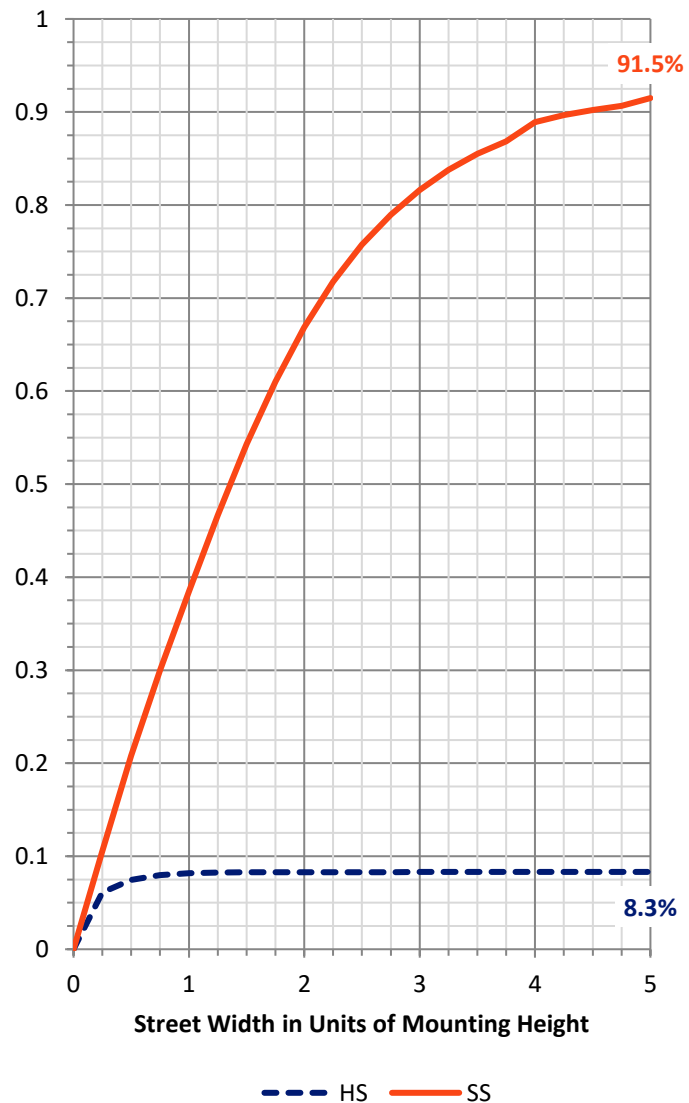
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	457.1	0.0	457.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4987.4	0.0	4987.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	5444.5	0.0	5444.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	1.0
10°-20°	114.0	2.1
20°-30°	192.7	3.5
30°-40°	354.9	6.5
40°-50°	582.4	10.7
50°-60°	1036.6	19.0
60°-70°	1550.9	28.5
70°-80°	1380.8	25.4
80°-90°	180.4	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°	5444.5	100.0
0°-180°	5444.5	100.0

Coefficient of Utilization



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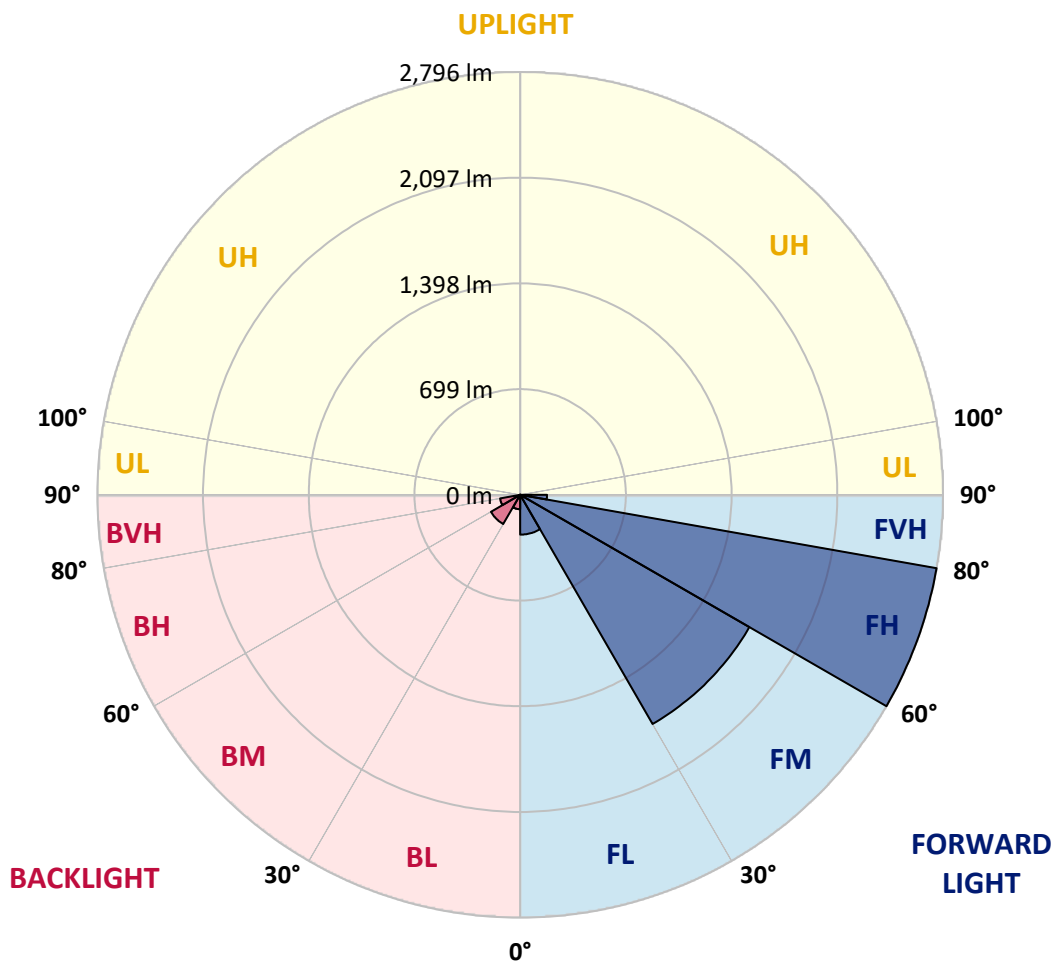
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.2	4.8			
FM	(30°-60°)	1750.2	32.1			
FH	(60°-80°)	2796.4	51.4			G2/5000
FVH	(80°-90°)	177.6	3.3			G2/225
BL	(0°-30°)	95.4	1.8	B0/110		
BM	(30°-60°)	223.6	4.1	B1/1000		
BH	(60°-80°)	135.3	2.5	B1/500		G1/500
BVH	(80°-90°)	2.8	0.1			G0/10
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°	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6
2.5°	621.1	667.6	673.0	675.8	681.3	684.0	684.0	684.0	684.0	681.3	681.3
5°	656.6	653.9	651.2	648.4	645.7	640.2	634.7	626.5	621.1	615.6	610.1
7.5°	642.9	645.7	653.9	659.4	656.6	653.9	659.4	662.1	653.9	642.9	632.0
10°	749.7	744.2	738.7	733.2	725.0	716.8	651.2	585.5	580.0	571.8	566.3
12.5°	656.6	738.7	738.7	738.7	738.7	738.7	694.9	651.2	582.8	514.4	435.0
15°	820.8	818.0	807.1	796.2	722.3	645.7	604.6	563.6	563.6	560.9	528.0
17.5°	681.3	681.3	736.0	788.0	757.9	727.8	670.3	612.9	530.8	446.0	478.8
20°	861.8	861.8	850.9	839.9	714.1	588.2	593.7	599.2	604.6	610.1	506.2
22.5°	708.6	703.1	697.7	692.2	705.9	719.6	607.4	492.5	558.1	621.1	484.3
25°	864.6	872.8	867.3	859.1	746.9	634.7	659.4	681.3	596.4	511.6	593.7
27.5°	741.4	733.2	722.3	708.6	716.8	725.0	673.0	618.3	648.4	678.5	544.5
30°	908.3	911.1	905.6	900.1	793.4	686.7	684.0	678.5	653.9	626.5	612.9
32.5°	1124.5	1102.6	1026.0	949.4	883.7	818.0	766.1	714.1	736.0	755.1	681.3
35°	1228.4	1187.4	1154.6	1119.0	1009.6	897.4	834.5	768.8	771.5	774.3	744.2
37.5°	1329.7	1269.5	1228.4	1187.4	1056.1	924.8	856.4	788.0	809.8	829.0	796.2
40°	1365.2	1332.4	1307.8	1283.2	1143.6	1001.4	922.0	839.9	850.9	859.1	848.1
42.5°	1455.5	1450.1	1436.4	1420.0	1253.1	1083.4	987.7	891.9	902.9	911.1	905.6
45°	1671.7	1663.5	1663.5	1660.7	1444.6	1225.7	1099.9	974.0	984.9	995.9	990.4
47.5°	1950.7	1937.1	1920.6	1901.5	1671.7	1439.1	1258.5	1075.2	1075.2	1075.2	1083.4
50°	2243.5	2224.3	2188.8	2150.5	1917.9	1685.3	1455.5	1225.7	1201.1	1173.7	1203.8
52.5°	2547.2	2514.3	2454.1	2391.2	2186.0	1980.8	1720.9	1458.3	1384.4	1307.8	1346.1
55°	2711.3	2675.8	2634.7	2590.9	2424.1	2254.4	1989.0	1723.6	1608.7	1491.1	1532.1
57.5°	2845.4	2837.2	2818.0	2798.9	2670.3	2541.7	2276.3	2008.2	1852.2	1696.3	1731.9
60°	3028.7	3017.8	3026.0	3034.2	2935.7	2837.2	2585.5	2331.0	2131.3	1928.8	1917.9
62.5°	3165.5	3162.8	3203.8	3244.8	3192.9	3138.1	2856.3	2571.8	2377.5	2180.6	2125.8
65°	3039.6	3075.2	3228.4	3381.6	3373.4	3362.5	3099.8	2834.4	2642.9	2448.7	2377.5
67.5°	2774.3	2790.7	3017.8	3242.1	3340.6	3436.4	3250.3	3061.5	2911.1	2757.8	2626.5
70°	2525.3	2560.8	2760.6	2960.3	3214.7	3469.2	3321.4	3173.7	3143.6	3110.8	2941.1
72.5°	2284.5	2347.4	2533.5	2719.5	3058.8	3395.3	3307.8	3220.2	3337.9	3455.5	3253.0
75°	1461.0	1474.7	1827.6	2177.8	2607.4	3034.2	3146.3	3258.5	3518.4	3778.3	3545.8
77.5°	426.8	473.3	738.7	1004.1	1496.6	1986.3	2369.3	2752.4	3258.5	3764.7	3480.1
80°	145.0	155.9	194.3	229.8	492.5	755.1	1198.3	1638.8	2227.1	2815.3	2615.6
82.5°	71.1	73.9	93.0	109.4	166.9	224.3	451.4	675.8	1091.6	1504.8	1540.3
85°	21.9	21.9	32.8	43.8	71.1	98.5	169.6	238.0	377.6	514.4	435.0
87.5°	5.5	5.5	8.2	10.9	16.4	21.9	21.9	21.9	16.4	10.9	13.7
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°	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6
2.5°	684.0	684.0	684.0	681.3	675.8	673.0	667.6	662.1	656.6	653.9	648.4
5°	601.9	637.5	670.3	673.0	673.0	664.8	656.6	648.4	640.2	632.0	623.8
7.5°	618.3	599.2	580.0	582.8	585.5	582.8	577.3	563.6	552.7	530.8	506.2
10°	495.2	481.5	465.1	470.6	476.1	489.7	503.4	492.5	476.1	435.0	391.2
12.5°	487.0	484.3	478.8	437.8	394.0	415.9	435.0	424.1	407.7	366.6	322.8
15°	415.9	418.6	418.6	459.6	500.7	517.1	530.8	517.1	497.9	443.2	385.8
17.5°	536.2	508.9	481.5	465.1	446.0	451.4	456.9	396.7	415.9	380.3	342.0
20°	555.4	465.1	374.8	448.7	522.6	547.2	571.8	558.1	533.5	446.0	355.7
22.5°	506.2	539.0	571.8	525.3	478.8	448.7	415.9	402.2	385.8	347.5	309.2
25°	626.5	536.2	443.2	530.8	615.6	621.1	626.5	601.9	574.5	465.1	355.7
27.5°	560.9	591.0	618.3	637.5	656.6	681.3	705.9	678.5	612.9	484.3	352.9
30°	667.6	708.6	749.7	812.6	875.5	894.7	911.1	881.0	829.0	612.9	394.0
32.5°	697.7	779.7	861.8	886.4	908.3	933.0	957.6	933.0	870.0	607.4	342.0
35°	779.7	837.2	891.9	930.2	968.5	990.4	1012.3	995.9	911.1	599.2	287.3
37.5°	804.4	881.0	954.8	998.6	1039.7	1058.8	1075.2	1075.2	954.8	593.7	229.8
40°	842.7	938.4	1034.2	1075.2	1113.5	1143.6	1171.0	1181.9	1004.1	591.0	175.1
42.5°	919.3	1004.1	1088.9	1154.6	1217.5	1261.3	1305.0	1313.3	1061.5	599.2	134.1
45°	1001.4	1091.6	1181.9	1269.5	1357.0	1420.0	1480.1	1474.7	1129.9	621.1	109.4
47.5°	1119.0	1203.8	1288.6	1436.4	1581.4	1641.6	1699.0	1660.7	1201.1	648.4	95.8
50°	1239.4	1343.4	1447.3	1636.1	1822.1	1876.9	1928.8	1849.5	1269.5	681.3	90.3
52.5°	1395.3	1518.5	1641.6	1857.7	2073.8	2123.1	2172.3	2010.9	1321.5	703.1	84.8
55°	1578.6	1737.3	1896.0	2101.2	2303.7	2361.1	2418.6	2169.6	1346.1	714.1	82.1
57.5°	1800.3	1983.6	2164.1	2352.9	2539.0	2618.3	2694.9	2325.6	1357.0	716.8	76.6
60°	2016.4	2218.9	2421.3	2582.7	2744.2	2867.3	2987.7	2478.8	1351.6	711.3	68.4
62.5°	2216.1	2440.5	2662.1	2812.6	2963.0	3110.8	3258.5	2601.9	1316.0	686.7	54.7
65°	2424.1	2662.1	2897.4	3028.7	3160.0	3351.5	3540.3	2708.6	1266.7	653.9	38.3
67.5°	2612.8	2839.9	3067.0	3214.7	3362.5	3551.3	3737.3	2735.9	1195.6	612.9	27.4
70°	2771.5	3017.8	3261.3	3411.7	3562.2	3658.0	3751.0	2615.6	1053.3	536.2	19.2
72.5°	2990.4	3212.0	3430.9	3507.5	3581.4	3414.5	3244.8	2180.6	790.7	404.9	16.4
75°	3187.4	3294.1	3398.0	3233.9	3069.7	2621.0	2172.3	1373.4	385.8	202.5	16.4
77.5°	2987.7	2930.2	2872.7	2369.3	1863.2	1384.4	902.9	539.0	120.4	65.7	10.9
80°	2164.1	1901.5	1636.1	1132.7	626.5	418.6	207.9	120.4	30.1	19.2	8.2
82.5°	1165.5	900.1	632.0	407.7	183.3	123.1	60.2	41.0	13.7	10.9	5.5
85°	421.3	333.8	243.5	188.8	134.1	79.3	21.9	13.7	8.2	8.2	5.5
87.5°	38.3	43.8	49.2	38.3	24.6	16.4	5.5	5.5	5.5	5.5	2.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6
2.5°	645.7	642.9	640.2	634.7	632.0	629.3	610.1	591.0	569.1	547.2	547.2
5°	588.2	552.7	533.5	514.4	500.7	487.0	484.3	478.8	473.3	467.8	465.1
7.5°	492.5	478.8	467.8	456.9	443.2	429.5	415.9	402.2	391.2	380.3	355.7
10°	369.4	347.5	331.0	314.6	306.4	295.5	279.1	259.9	259.9	259.9	257.2
12.5°	320.1	317.4	276.3	232.6	218.9	205.2	202.5	199.7	194.3	186.0	175.1
15°	317.4	246.2	210.7	172.4	164.2	153.2	136.8	117.6	114.9	109.4	123.1
17.5°	287.3	232.6	191.5	150.5	120.4	90.3	95.8	98.5	112.2	123.1	131.3
20°	259.9	164.2	136.8	106.7	98.5	87.6	93.0	98.5	95.8	90.3	104.0
22.5°	243.5	175.1	128.6	82.1	87.6	93.0	87.6	79.3	93.0	106.7	114.9
25°	235.3	112.2	101.2	87.6	82.1	76.6	87.6	95.8	90.3	84.8	101.2
27.5°	232.6	112.2	95.8	76.6	82.1	87.6	84.8	79.3	90.3	98.5	95.8
30°	249.0	101.2	90.3	79.3	76.6	73.9	79.3	84.8	84.8	82.1	95.8
32.5°	221.6	101.2	90.3	76.6	76.6	73.9	73.9	73.9	82.1	90.3	95.8
35°	191.5	93.0	84.8	73.9	71.1	68.4	71.1	71.1	79.3	84.8	95.8
37.5°	158.7	87.6	79.3	68.4	65.7	62.9	62.9	60.2	68.4	76.6	84.8
40°	128.6	82.1	73.9	62.9	60.2	57.5	57.5	57.5	62.9	65.7	71.1
42.5°	106.7	76.6	68.4	57.5	54.7	52.0	52.0	49.2	52.0	54.7	57.5
45°	93.0	73.9	65.7	54.7	52.0	46.5	43.8	41.0	41.0	41.0	41.0
47.5°	82.1	68.4	62.9	54.7	49.2	41.0	38.3	32.8	30.1	27.4	24.6
50°	76.6	62.9	57.5	49.2	43.8	35.6	30.1	24.6	21.9	16.4	16.4
52.5°	71.1	57.5	52.0	43.8	35.6	27.4	21.9	13.7	13.7	10.9	10.9
55°	68.4	54.7	46.5	38.3	30.1	19.2	13.7	8.2	8.2	5.5	5.5
57.5°	65.7	52.0	43.8	32.8	21.9	10.9	8.2	5.5	5.5	5.5	5.5
60°	57.5	46.5	35.6	21.9	13.7	5.5	5.5	2.7	5.5	5.5	5.5
62.5°	46.5	35.6	24.6	13.7	8.2	2.7	2.7	2.7	5.5	5.5	5.5
65°	32.8	24.6	16.4	8.2	5.5	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	24.6	19.2	13.7	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7
70°	16.4	13.7	10.9	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	13.7	10.9	8.2	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7
75°	13.7	10.9	8.2	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7
77.5°	10.9	8.2	5.5	2.7	2.7	0.0	2.7	5.5	5.5	5.5	5.5
80°	8.2	5.5	5.5	2.7	2.7	0.0	2.7	5.5	5.5	5.5	5.5
82.5°	5.5	5.5	5.5	2.7	2.7	0.0	5.5	8.2	8.2	5.5	5.5
85°	5.5	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2	8.2	5.5
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2	8.2	5.5
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°	667.6	667.6	667.6	667.6
2.5°	544.5	544.5	541.7	541.7
5°	459.6	459.6	456.9	456.9
7.5°	331.0	325.6	317.4	320.1
10°	254.4	249.0	243.5	249.0
12.5°	164.2	166.9	166.9	158.7
15°	134.1	145.0	153.2	153.2
17.5°	139.5	139.5	136.8	136.8
20°	117.6	128.6	139.5	139.5
22.5°	120.4	114.9	109.4	109.4
25°	114.9	123.1	128.6	128.6
27.5°	93.0	95.8	98.5	98.5
30°	106.7	112.2	114.9	114.9
32.5°	101.2	106.7	109.4	112.2
35°	104.0	109.4	112.2	112.2
37.5°	93.0	95.8	98.5	98.5
40°	73.9	76.6	79.3	79.3
42.5°	57.5	57.5	54.7	57.5
45°	38.3	38.3	35.6	38.3
47.5°	21.9	21.9	21.9	21.9
50°	13.7	13.7	13.7	13.7
52.5°	8.2	8.2	8.2	8.2
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	2.7	2.7
60°	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	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°	2.7	2.7	0.0	0.0
77.5°	2.7	2.7	0.0	0.0
80°	2.7	2.7	0.0	0.0
82.5°	2.7	2.7	0.0	0.0
85°	2.7	2.7	2.7	0.0
87.5°	2.7	2.7	2.7	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)