

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: P560482

Luminaire Tested: **SDL-PA1-40-830-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560482
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-PA1-40-830-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 3000K, 500mA 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: 2854.1 lumens
Efficiency: N/A
Efficacy: 72.4 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: B0 - U0 - G1

Input Watts (W): 39.4
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

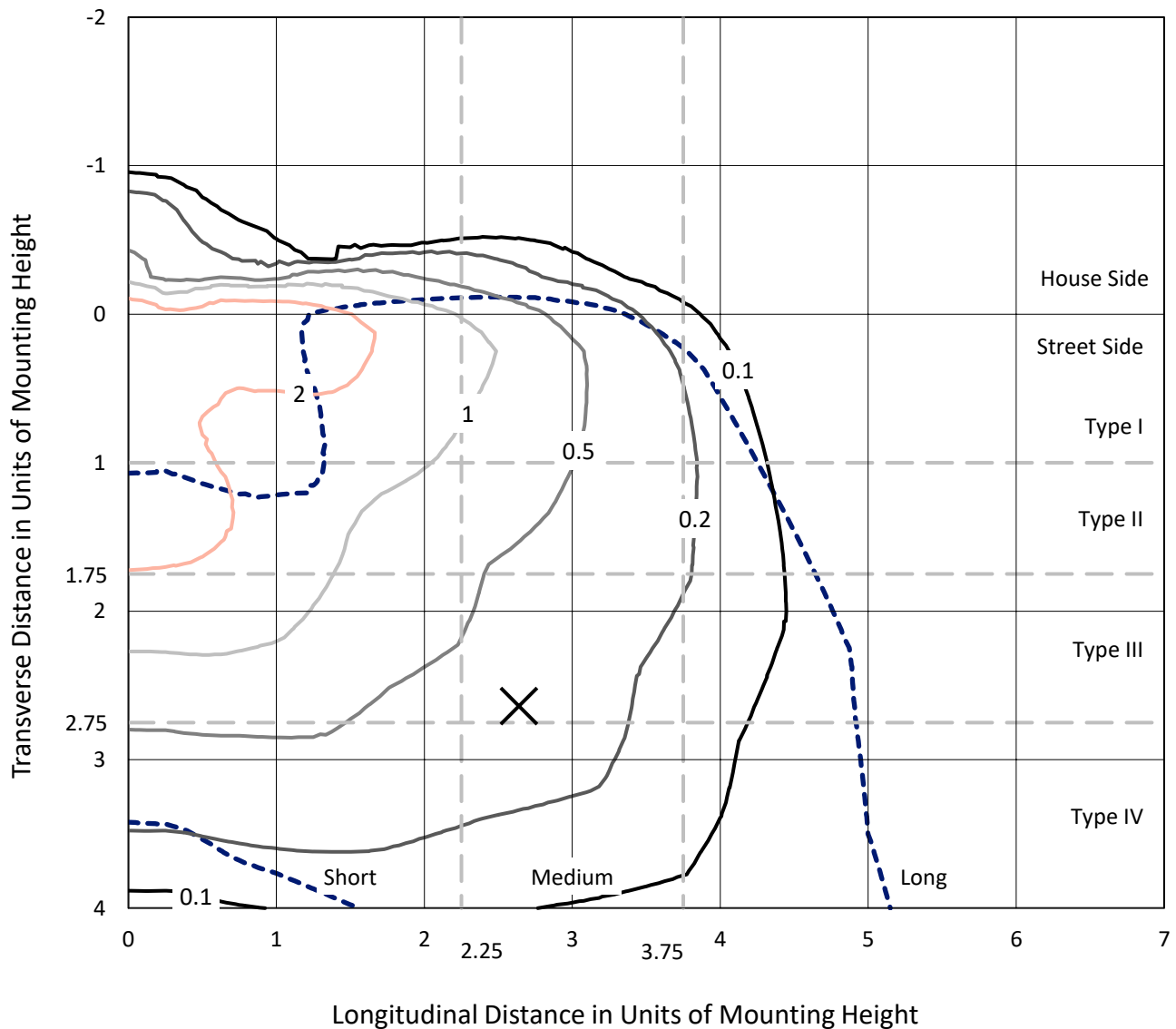


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

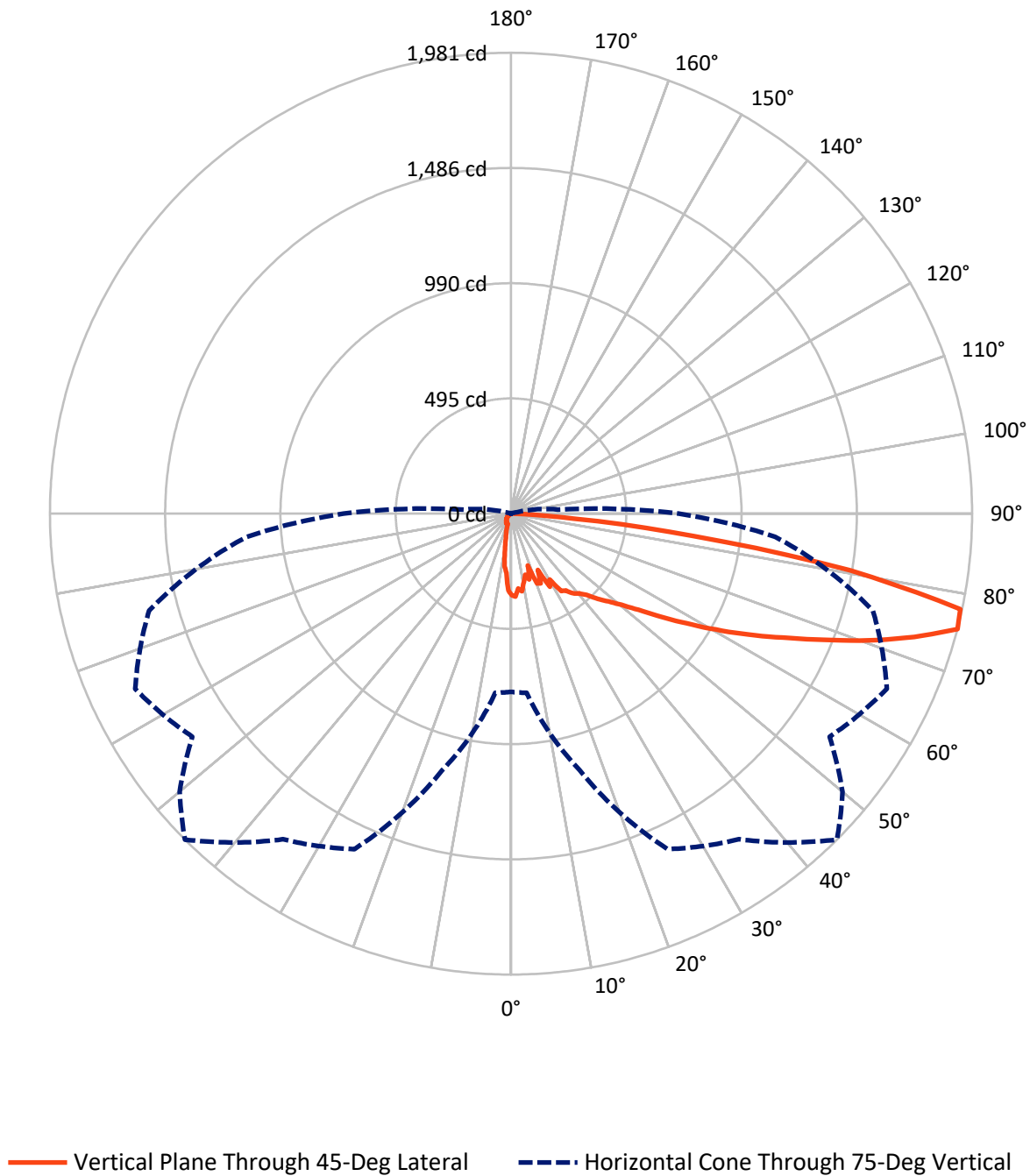


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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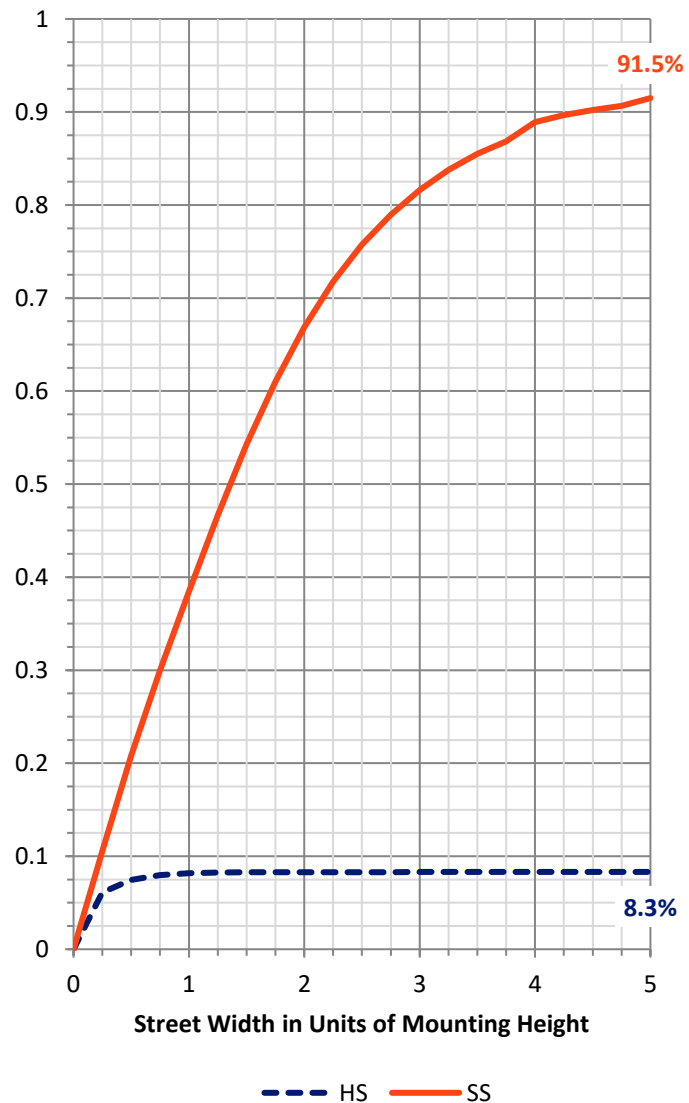
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	239.6	0.0	239.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2614.5	0.0	2614.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	2854.1	0.0	2854.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	1.0
10°-20°	59.7	2.1
20°-30°	101.0	3.5
30°-40°	186.0	6.5
40°-50°	305.3	10.7
50°-60°	543.4	19.0
60°-70°	813.0	28.5
70°-80°	723.9	25.4
80°-90°	94.6	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°	2854.1	100.0
0°-180°	2854.1	100.0

Coefficient of Utilization



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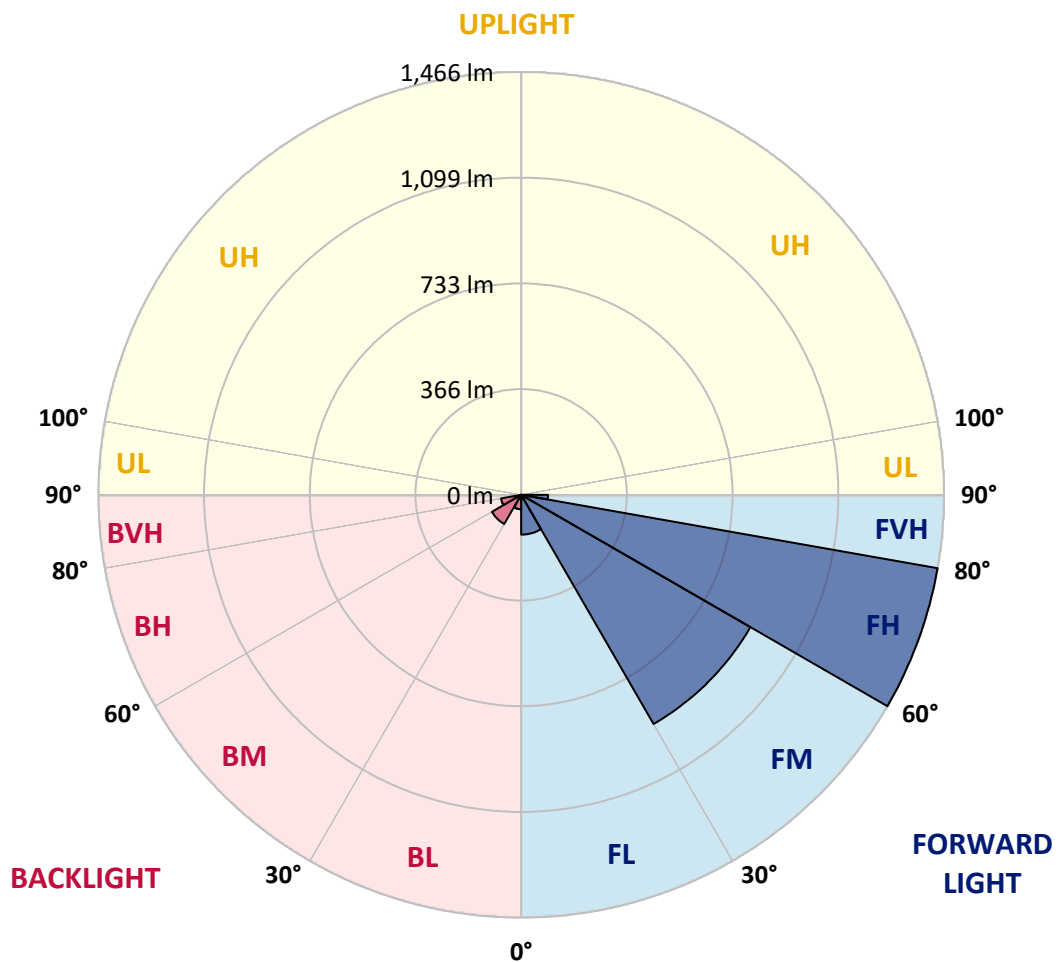
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.0	4.8			
FM	(30°-60°)	917.5	32.1			
FH	(60°-80°)	1465.9	51.4			G1/1800
FVH	(80°-90°)	93.1	3.3			G1/100
BL	(0°-30°)	50.0	1.8	B0/110		
BM	(30°-60°)	117.2	4.1	B0/220		
BH	(60°-80°)	70.9	2.5	B0/110		G0/110
BVH	(80°-90°)	1.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
2.5°	325.6	350.0	352.8	354.3	357.1	358.6	358.6	358.6	358.6	357.1	357.1
5°	344.2	342.8	341.3	339.9	338.5	335.6	332.7	328.4	325.6	322.7	319.8
7.5°	337.0	338.5	342.8	345.6	344.2	342.8	345.6	347.1	342.8	337.0	331.3
10°	393.0	390.1	387.2	384.4	380.1	375.8	341.3	306.9	304.1	299.8	296.9
12.5°	344.2	387.2	387.2	387.2	387.2	387.2	364.3	341.3	305.5	269.6	228.0
15°	430.3	428.8	423.1	417.4	378.6	338.5	317.0	295.5	295.5	294.0	276.8
17.5°	357.1	357.1	385.8	413.1	397.3	381.5	351.4	321.3	278.2	233.8	251.0
20°	451.8	451.8	446.0	440.3	374.3	308.4	311.2	314.1	317.0	319.8	265.3
22.5°	371.5	368.6	365.7	362.9	370.0	377.2	318.4	258.2	292.6	325.6	253.9
25°	453.2	457.5	454.7	450.3	391.5	332.7	345.6	357.1	312.7	268.2	311.2
27.5°	388.7	384.4	378.6	371.5	375.8	380.1	352.8	324.1	339.9	355.7	285.4
30°	476.2	477.6	474.7	471.9	415.9	360.0	358.6	355.7	342.8	328.4	321.3
32.5°	589.5	578.0	537.8	497.7	463.3	428.8	401.6	374.3	385.8	395.8	357.1
35°	644.0	622.5	605.2	586.6	529.2	470.4	437.4	403.0	404.5	405.9	390.1
37.5°	697.0	665.5	644.0	622.5	553.6	484.8	448.9	413.1	424.5	434.6	417.4
40°	715.7	698.5	685.6	672.7	599.5	524.9	483.3	440.3	446.0	450.3	444.6
42.5°	763.0	760.1	753.0	744.4	656.9	568.0	517.8	467.6	473.3	477.6	474.7
45°	876.3	872.0	872.0	870.6	757.3	642.5	576.6	510.6	516.3	522.1	519.2
47.5°	1022.6	1015.4	1006.8	996.8	876.3	754.4	659.7	563.7	563.7	563.7	568.0
50°	1176.1	1166.0	1147.4	1127.3	1005.4	883.5	763.0	642.5	629.6	615.3	631.1
52.5°	1335.3	1318.1	1286.5	1253.5	1145.9	1038.4	902.1	764.4	725.7	685.6	705.6
55°	1421.3	1402.7	1381.2	1358.2	1270.7	1181.8	1042.7	903.6	843.3	781.7	803.2
57.5°	1491.6	1487.3	1477.3	1467.2	1399.8	1332.4	1193.3	1052.7	971.0	889.2	907.9
60°	1587.7	1582.0	1586.3	1590.6	1538.9	1487.3	1355.3	1222.0	1117.3	1011.1	1005.4
62.5°	1659.4	1658.0	1679.5	1701.0	1673.7	1645.1	1497.3	1348.2	1246.3	1143.1	1114.4
65°	1593.4	1612.1	1692.4	1772.7	1768.4	1762.7	1625.0	1485.9	1385.5	1283.6	1246.3
67.5°	1454.3	1462.9	1582.0	1699.6	1751.2	1801.4	1703.9	1604.9	1526.0	1445.7	1376.9
70°	1323.8	1342.4	1447.1	1551.8	1685.2	1818.6	1741.2	1663.7	1647.9	1630.7	1541.8
72.5°	1197.6	1230.6	1328.1	1425.6	1603.5	1779.9	1734.0	1688.1	1749.8	1811.4	1705.3
75°	765.9	773.0	958.1	1141.6	1366.8	1590.6	1649.4	1708.2	1844.4	1980.7	1858.8
77.5°	223.7	248.1	387.2	526.4	784.5	1041.2	1242.0	1442.8	1708.2	1973.5	1824.3
80°	76.0	81.8	101.8	120.5	258.2	395.8	628.2	859.1	1167.5	1475.8	1371.1
82.5°	37.3	38.7	48.8	57.4	87.5	117.6	236.6	354.3	572.3	788.8	807.5
85°	11.5	11.5	17.2	22.9	37.3	51.6	88.9	124.8	197.9	269.6	228.0
87.5°	2.9	2.9	4.3	5.7	8.6	11.5	11.5	11.5	8.6	5.7	7.2
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°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
2.5°	358.6	358.6	358.6	357.1	354.3	352.8	350.0	347.1	344.2	342.8	339.9
5°	315.5	334.2	351.4	352.8	352.8	348.5	344.2	339.9	335.6	331.3	327.0
7.5°	324.1	314.1	304.1	305.5	306.9	305.5	302.6	295.5	289.7	278.2	265.3
10°	259.6	252.4	243.8	246.7	249.6	256.7	263.9	258.2	249.6	228.0	205.1
12.5°	255.3	253.9	251.0	229.5	206.5	218.0	228.0	222.3	213.7	192.2	169.2
15°	218.0	219.4	219.4	241.0	262.5	271.1	278.2	271.1	261.0	232.3	202.2
17.5°	281.1	266.8	252.4	243.8	233.8	236.6	239.5	208.0	218.0	199.4	179.3
20°	291.1	243.8	196.5	235.2	273.9	286.8	299.8	292.6	279.7	233.8	186.4
22.5°	265.3	282.5	299.8	275.4	251.0	235.2	218.0	210.8	202.2	182.1	162.1
25°	328.4	281.1	232.3	278.2	322.7	325.6	328.4	315.5	301.2	243.8	186.4
27.5°	294.0	309.8	324.1	334.2	344.2	357.1	370.0	355.7	321.3	253.9	185.0
30°	350.0	371.5	393.0	426.0	459.0	469.0	477.6	461.8	434.6	321.3	206.5
32.5°	365.7	408.8	451.8	464.7	476.2	489.1	502.0	489.1	456.1	318.4	179.3
35°	408.8	438.9	467.6	487.6	507.7	519.2	530.7	522.1	477.6	314.1	150.6
37.5°	421.7	461.8	500.5	523.5	545.0	555.0	563.7	563.7	500.5	311.2	120.5
40°	441.7	491.9	542.1	563.7	583.7	599.5	613.8	619.6	526.4	309.8	91.8
42.5°	481.9	526.4	570.8	605.2	638.2	661.2	684.1	688.4	556.5	314.1	70.3
45°	524.9	572.3	619.6	665.5	711.4	744.4	775.9	773.0	592.3	325.6	57.4
47.5°	586.6	631.1	675.5	753.0	829.0	860.5	890.7	870.6	629.6	339.9	50.2
50°	649.7	704.2	758.7	857.7	955.2	983.9	1011.1	969.5	665.5	357.1	47.3
52.5°	731.5	796.0	860.5	973.8	1087.1	1113.0	1138.8	1054.2	692.7	368.6	44.5
55°	827.5	910.7	993.9	1101.5	1207.6	1237.7	1267.9	1137.3	705.6	374.3	43.0
57.5°	943.7	1039.8	1134.5	1233.4	1331.0	1372.6	1412.7	1219.1	711.4	375.8	40.2
60°	1057.0	1163.2	1269.3	1353.9	1438.5	1503.1	1566.2	1299.4	708.5	372.9	35.9
62.5°	1161.7	1279.3	1395.5	1474.4	1553.3	1630.7	1708.2	1364.0	689.9	360.0	28.7
65°	1270.7	1395.5	1518.8	1587.7	1656.5	1756.9	1855.9	1419.9	664.0	342.8	20.1
67.5°	1369.7	1488.7	1607.8	1685.2	1762.7	1861.6	1959.2	1434.2	626.8	321.3	14.3
70°	1452.9	1582.0	1709.6	1788.5	1867.4	1917.6	1966.3	1371.1	552.2	281.1	10.0
72.5°	1567.6	1683.8	1798.5	1838.7	1877.4	1789.9	1701.0	1143.1	414.5	212.3	8.6
75°	1670.9	1726.8	1781.3	1695.3	1609.2	1374.0	1138.8	720.0	202.2	106.1	8.6
77.5°	1566.2	1536.1	1505.9	1242.0	976.7	725.7	473.3	282.5	63.1	34.4	5.7
80°	1134.5	996.8	857.7	593.8	328.4	219.4	109.0	63.1	15.8	10.0	4.3
82.5°	611.0	471.9	331.3	213.7	96.1	64.5	31.6	21.5	7.2	5.7	2.9
85°	220.9	175.0	127.6	99.0	70.3	41.6	11.5	7.2	4.3	4.3	2.9
87.5°	20.1	22.9	25.8	20.1	12.9	8.6	2.9	2.9	2.9	2.9	1.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
2.5°	338.5	337.0	335.6	332.7	331.3	329.9	319.8	309.8	298.3	286.8	286.8
5°	308.4	289.7	279.7	269.6	262.5	255.3	253.9	251.0	248.1	245.3	243.8
7.5°	258.2	251.0	245.3	239.5	232.3	225.2	218.0	210.8	205.1	199.4	186.4
10°	193.6	182.1	173.5	164.9	160.6	154.9	146.3	136.3	136.3	136.3	134.8
12.5°	167.8	166.4	144.9	121.9	114.7	107.6	106.1	104.7	101.8	97.5	91.8
15°	166.4	129.1	110.4	90.4	86.1	80.3	71.7	61.7	60.2	57.4	64.5
17.5°	150.6	121.9	100.4	78.9	63.1	47.3	50.2	51.6	58.8	64.5	68.8
20°	136.3	86.1	71.7	55.9	51.6	45.9	48.8	51.6	50.2	47.3	54.5
22.5°	127.6	91.8	67.4	43.0	45.9	48.8	45.9	41.6	48.8	55.9	60.2
25°	123.3	58.8	53.1	45.9	43.0	40.2	45.9	50.2	47.3	44.5	53.1
27.5°	121.9	58.8	50.2	40.2	43.0	45.9	44.5	41.6	47.3	51.6	50.2
30°	130.5	53.1	47.3	41.6	40.2	38.7	41.6	44.5	44.5	43.0	50.2
32.5°	116.2	53.1	47.3	40.2	40.2	38.7	38.7	38.7	43.0	47.3	50.2
35°	100.4	48.8	44.5	38.7	37.3	35.9	37.3	37.3	41.6	44.5	50.2
37.5°	83.2	45.9	41.6	35.9	34.4	33.0	33.0	31.6	35.9	40.2	44.5
40°	67.4	43.0	38.7	33.0	31.6	30.1	30.1	30.1	33.0	34.4	37.3
42.5°	55.9	40.2	35.9	30.1	28.7	27.3	27.3	25.8	27.3	28.7	30.1
45°	48.8	38.7	34.4	28.7	27.3	24.4	22.9	21.5	21.5	21.5	21.5
47.5°	43.0	35.9	33.0	28.7	25.8	21.5	20.1	17.2	15.8	14.3	12.9
50°	40.2	33.0	30.1	25.8	22.9	18.6	15.8	12.9	11.5	8.6	8.6
52.5°	37.3	30.1	27.3	22.9	18.6	14.3	11.5	7.2	7.2	5.7	5.7
55°	35.9	28.7	24.4	20.1	15.8	10.0	7.2	4.3	4.3	2.9	2.9
57.5°	34.4	27.3	22.9	17.2	11.5	5.7	4.3	2.9	2.9	2.9	2.9
60°	30.1	24.4	18.6	11.5	7.2	2.9	2.9	1.4	2.9	2.9	2.9
62.5°	24.4	18.6	12.9	7.2	4.3	1.4	1.4	1.4	2.9	2.9	2.9
65°	17.2	12.9	8.6	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	12.9	10.0	7.2	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4
70°	8.6	7.2	5.7	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	7.2	5.7	4.3	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
75°	7.2	5.7	4.3	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
77.5°	5.7	4.3	2.9	1.4	1.4	0.0	1.4	2.9	2.9	2.9	2.9
80°	4.3	2.9	2.9	1.4	1.4	0.0	1.4	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	1.4	1.4	0.0	2.9	4.3	4.3	2.9	2.9
85°	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3	4.3	2.9
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3	4.3	2.9
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°	350.0	350.0	350.0	350.0
2.5°	285.4	285.4	284.0	284.0
5°	241.0	241.0	239.5	239.5
7.5°	173.5	170.7	166.4	167.8
10°	133.4	130.5	127.6	130.5
12.5°	86.1	87.5	87.5	83.2
15°	70.3	76.0	80.3	80.3
17.5°	73.1	73.1	71.7	71.7
20°	61.7	67.4	73.1	73.1
22.5°	63.1	60.2	57.4	57.4
25°	60.2	64.5	67.4	67.4
27.5°	48.8	50.2	51.6	51.6
30°	55.9	58.8	60.2	60.2
32.5°	53.1	55.9	57.4	58.8
35°	54.5	57.4	58.8	58.8
37.5°	48.8	50.2	51.6	51.6
40°	38.7	40.2	41.6	41.6
42.5°	30.1	30.1	28.7	30.1
45°	20.1	20.1	18.6	20.1
47.5°	11.5	11.5	11.5	11.5
50°	7.2	7.2	7.2	7.2
52.5°	4.3	4.3	4.3	4.3
55°	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	1.4	1.4
60°	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	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°	1.4	1.4	0.0	0.0
77.5°	1.4	1.4	0.0	0.0
80°	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	0.0	0.0
85°	1.4	1.4	1.4	0.0
87.5°	1.4	1.4	1.4	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)