

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: INVUE

Report Number: P151624

Luminaire Tested: **VXS-F06-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151624
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F06-LED-E1-SL4-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9205.4 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 156.5
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: 25 FT

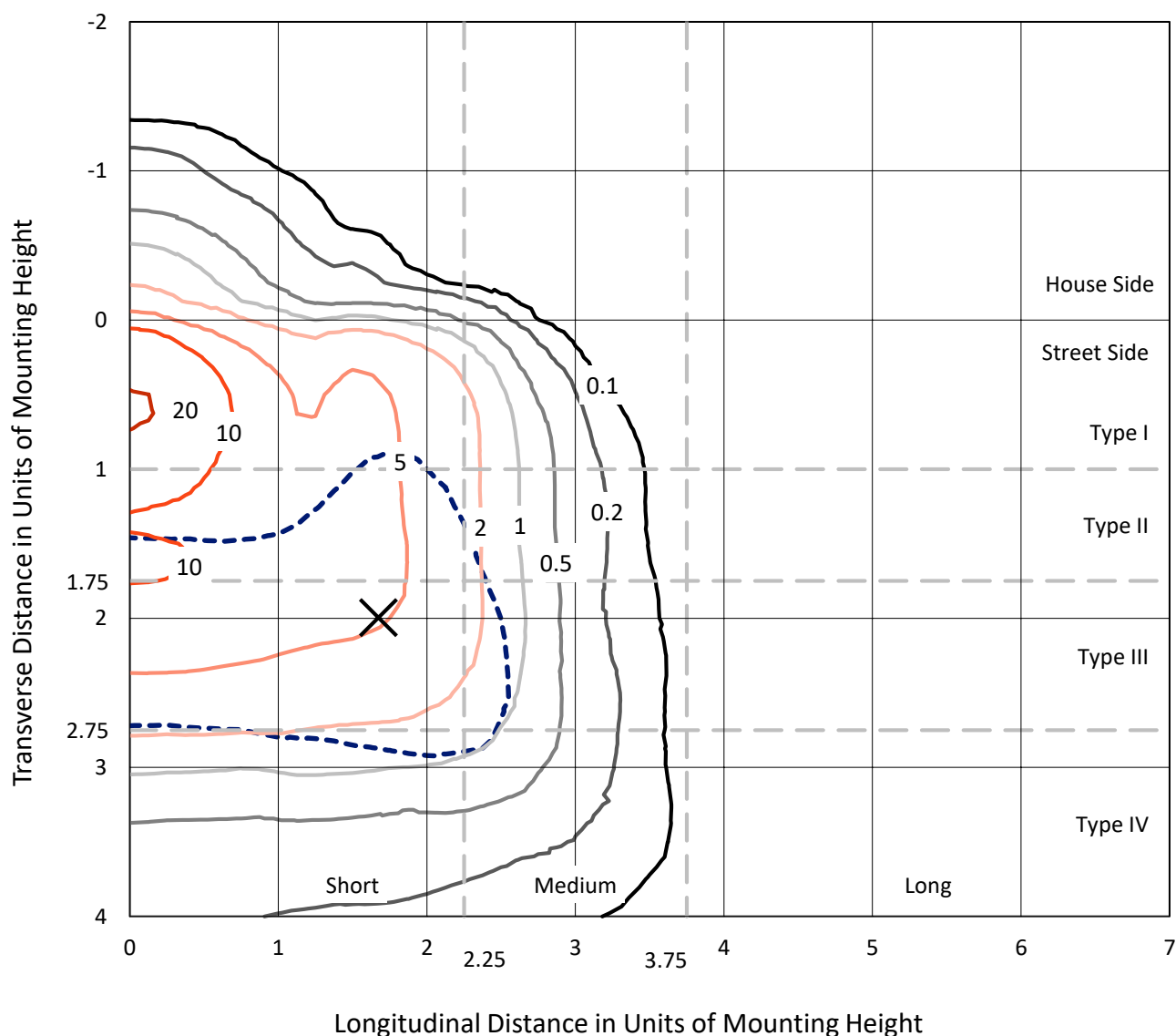


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

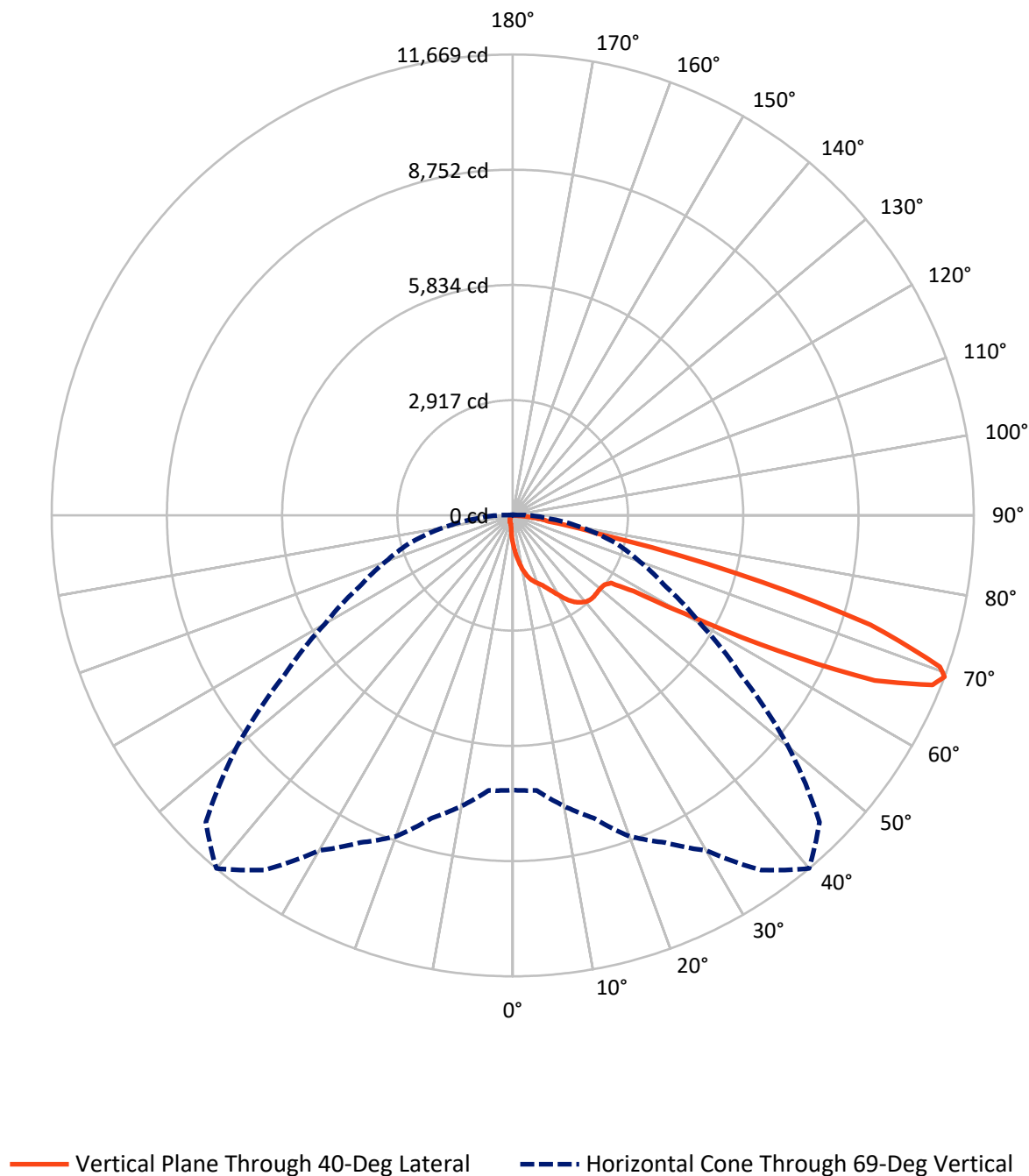


Based on 10 foot mounting height. Maximum calculated value = 20.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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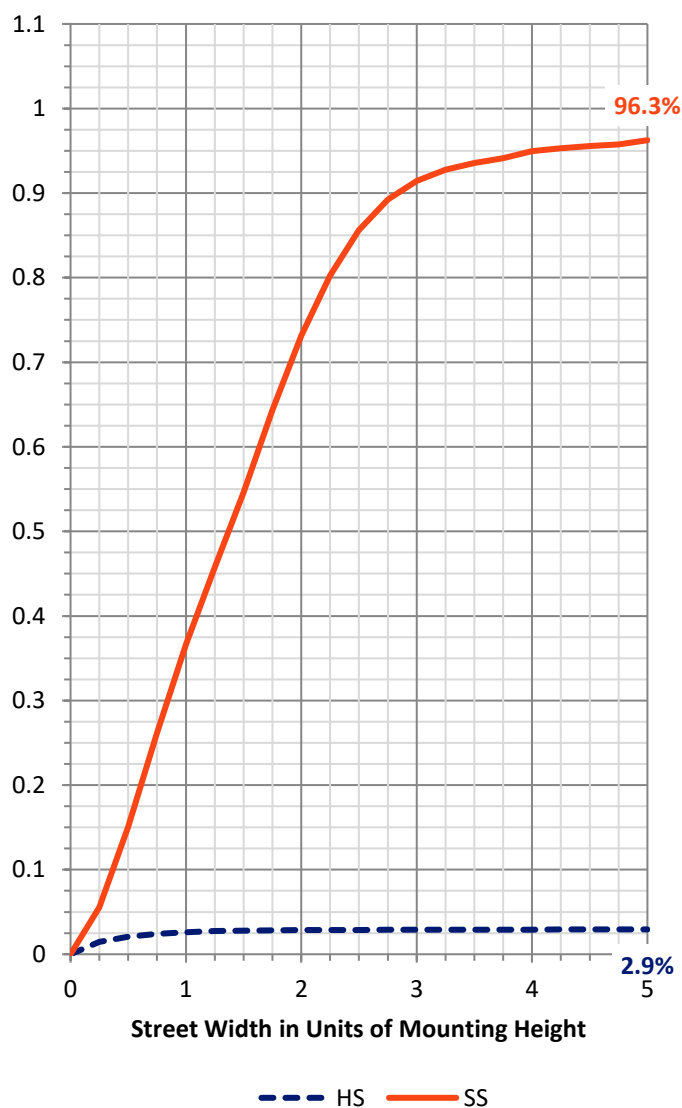
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.1	0.0	274.1
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	8931.3	0.0	8931.3
	% Fixture	97.0	0.0	97.0
Total	Lumens	9205.4	0.0	9205.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	0.8
10°-20°	246.4	2.7
20°-30°	471.5	5.1
30°-40°	784.1	8.5
40°-50°	1061.1	11.5
50°-60°	1659.4	18.0
60°-70°	3411.7	37.1
70°-80°	1372.8	14.9
80°-90°	127.0	1.4
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°	9205.4	100.0
0°-180°	9205.4	100.0

Coefficient of Utilization



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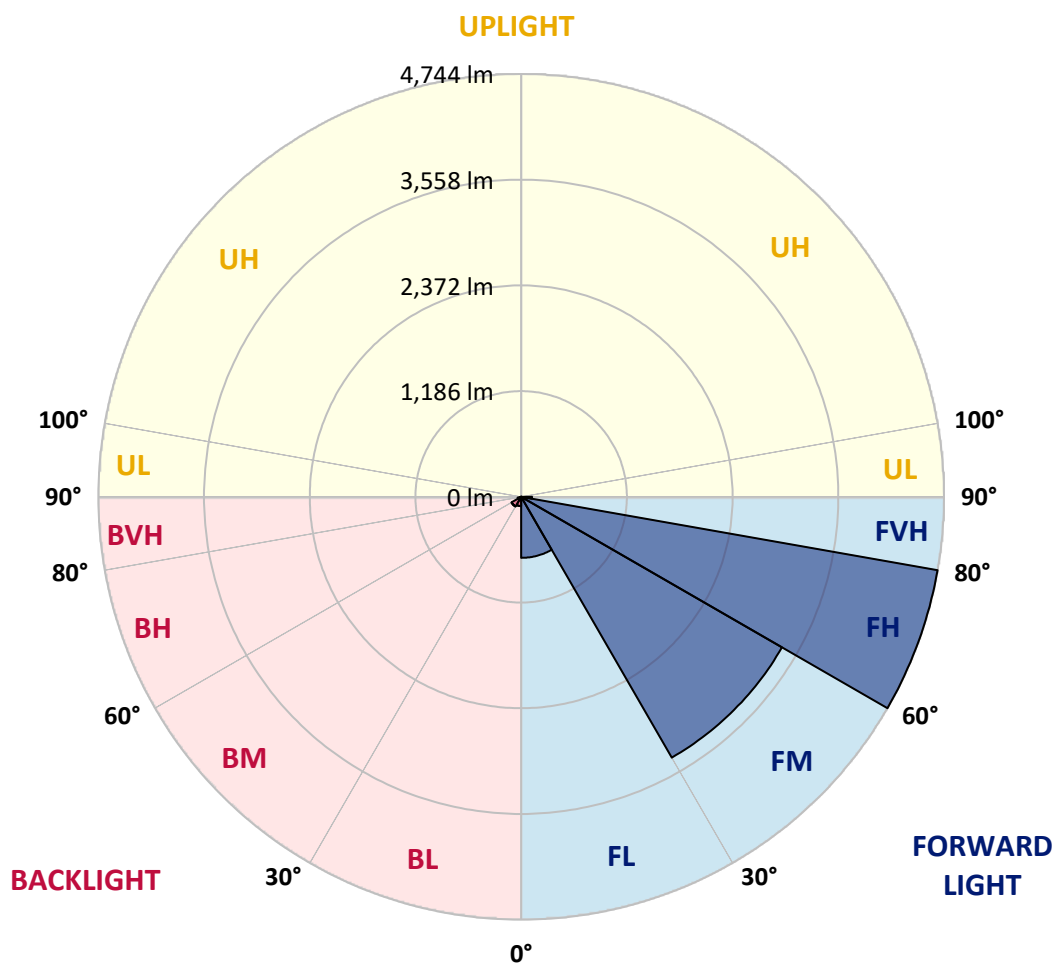
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	685.1	7.4			
FM	(30°-60°)	3379.4	36.7			
FH	(60°-80°)	4744.5	51.5			G2/5000
FVH	(80°-90°)	122.3	1.3			G2/225
BL	(0°-30°)	104.3	1.1	B0/110		
BM	(30°-60°)	125.2	1.4	B0/220		
BH	(60°-80°)	40.0	0.4	B0/110		G0/110
BVH	(80°-90°)	4.7	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2
2.5°	927.5	916.9	904.8	904.8	889.7	889.7	880.6	856.6	853.5	840.0	826.4
5°	1183.7	1174.7	1159.7	1146.1	1134.0	1112.8	1097.8	1069.1	1037.5	1007.4	980.2
7.5°	1434.1	1429.5	1402.4	1397.9	1378.3	1343.6	1313.5	1271.2	1217.0	1174.7	1125.0
10°	1666.3	1655.8	1649.7	1624.1	1595.4	1557.7	1511.0	1459.7	1396.4	1330.1	1259.2
12.5°	1850.3	1844.2	1817.1	1806.5	1776.4	1738.8	1679.9	1613.6	1550.3	1464.2	1381.3
15°	1987.6	1977.0	1958.9	1942.3	1906.1	1873.0	1818.7	1746.2	1669.3	1575.9	1476.3
17.5°	2102.2	2082.5	2078.0	2052.3	2014.7	1975.4	1915.1	1848.8	1758.3	1664.8	1556.3
20°	2256.0	2228.8	2219.8	2182.1	2138.3	2084.0	2014.7	1931.7	1836.7	1734.2	1622.6
22.5°	2436.9	2417.3	2397.7	2364.6	2308.7	2231.8	2130.8	2040.3	1919.7	1806.5	1685.9
25°	2693.3	2676.7	2645.0	2599.8	2530.4	2438.4	2316.3	2183.5	2041.9	1897.1	1755.3
27.5°	2942.1	2927.0	2904.4	2869.7	2791.3	2690.3	2539.5	2370.6	2191.1	2016.2	1859.4
30°	3175.9	3162.3	3139.6	3105.0	3035.5	2936.1	2765.7	2584.7	2361.6	2157.9	1969.4
32.5°	3427.7	3423.1	3397.5	3347.8	3287.5	3153.2	2967.7	2773.2	2546.9	2311.7	2091.6
35°	3712.6	3678.0	3653.9	3604.0	3501.6	3358.2	3141.1	2928.5	2690.3	2449.0	2203.2
37.5°	3954.0	3920.7	3890.6	3827.3	3702.1	3519.7	3273.9	3040.1	2794.3	2548.5	2298.1
40°	4130.4	4113.8	4077.6	3994.6	3854.4	3637.3	3371.8	3117.0	2869.7	2622.4	2375.1
42.5°	4261.6	4236.0	4195.2	4109.2	3943.4	3696.1	3411.1	3148.7	2904.4	2667.7	2424.9
45°	4309.8	4288.7	4251.0	4157.5	3978.0	3712.6	3409.5	3139.6	2905.9	2681.2	2458.0
47.5°	4281.1	4260.1	4226.8	4139.4	3963.0	3693.1	3382.4	3114.0	2890.8	2685.7	2488.2
50°	4186.2	4174.1	4148.5	4074.6	3916.3	3655.3	3358.2	3100.4	2887.8	2708.4	2530.4
52.5°	4177.1	4169.5	4137.9	4064.0	3902.7	3643.3	3355.2	3108.0	2913.5	2737.0	2560.5
55°	5104.6	4997.5	4757.7	4554.1	4219.4	3821.2	3507.6	3230.2	3022.0	2850.1	2726.4
57.5°	7254.9	7095.1	6779.9	6392.3	5623.3	4867.8	4263.1	3825.8	3610.2	3531.7	3578.4
60°	8262.3	8233.6	8183.8	7999.9	7606.3	6956.4	6232.5	5449.8	5136.2	5109.0	5204.0
62.5°	8740.3	8722.2	8737.3	8714.6	8592.5	8402.5	8194.4	7856.6	7546.0	7345.4	6920.1
65°	8960.4	8972.5	9058.4	9126.3	9141.5	9191.2	9343.5	9764.2	10071.8	9554.6	8373.9
67.5°	8401.0	8471.9	8669.4	8916.7	9206.2	9486.7	9939.2	10825.8	11457.7	10849.9	9173.1
69°	6954.8	6989.5	7472.1	7938.0	8645.3	9139.9	9795.9	10958.5	11668.8	10982.7	9109.7
70°	5475.5	5507.2	6024.5	6657.7	7853.6	8489.9	9348.0	10733.9	11471.3	10806.2	8784.0
72.5°	2470.1	2424.9	2607.4	2946.6	4246.5	5256.9	6757.3	8696.6	9464.1	8657.3	6571.8
75°	1725.2	1705.5	1725.2	1726.6	1928.7	2488.2	3139.6	4714.0	5829.8	5030.7	3139.6
77.5°	1336.1	1322.5	1308.9	1293.9	1318.0	1476.3	1539.7	1672.3	2171.5	2053.9	1197.3
80°	1057.1	1045.1	1078.2	1067.7	1067.7	1085.7	1073.7	1023.9	930.5	862.6	772.1
82.5°	491.6	494.6	494.6	536.9	646.9	755.5	790.2	740.4	657.5	559.5	450.9
85°	46.7	52.7	89.0	137.2	273.0	307.7	309.1	256.4	256.4	202.1	162.9
87.5°	0.0	1.6	1.6	1.6	13.6	37.7	31.7	9.0	4.6	4.6	7.6
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°	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2
2.5°	802.3	797.7	779.6	761.6	745.0	726.8	710.3	693.7	675.5	662.0	645.4
5°	937.9	904.8	867.0	830.9	794.7	757.0	717.8	683.1	646.9	613.8	582.1
7.5°	1075.2	1010.4	959.1	894.2	835.4	776.6	722.3	666.5	615.2	567.0	521.8
10°	1191.3	1112.8	1033.0	950.1	865.6	787.2	711.8	645.4	577.5	518.8	462.9
12.5°	1286.3	1186.7	1088.8	984.8	889.7	790.2	696.7	616.8	536.9	470.5	413.2
15°	1372.2	1257.6	1140.0	1019.4	898.8	785.7	681.7	582.1	500.6	425.3	360.4
17.5°	1441.7	1310.5	1177.7	1042.0	912.3	779.6	662.0	557.9	462.9	384.6	321.2
20°	1502.0	1364.8	1221.5	1069.1	921.3	778.1	645.4	527.8	429.7	346.8	285.0
22.5°	1557.7	1420.5	1266.7	1103.8	934.9	776.6	630.4	505.2	401.1	318.1	256.4
25°	1621.0	1476.3	1314.9	1140.0	959.1	782.7	621.2	487.0	375.4	291.1	233.8
27.5°	1691.9	1539.7	1372.2	1185.3	990.8	794.7	618.2	467.5	352.8	265.4	215.6
30°	1791.5	1615.0	1429.5	1230.5	1019.4	808.3	615.2	455.4	330.3	245.8	197.5
32.5°	1879.0	1688.9	1493.0	1277.3	1051.1	821.9	613.8	438.9	309.1	226.2	183.9
35°	1971.0	1756.8	1547.2	1322.5	1078.2	836.9	612.2	426.7	289.5	206.6	170.4
37.5°	2050.9	1814.1	1589.4	1361.8	1108.4	850.5	613.8	416.2	271.4	190.1	158.3
40°	2118.8	1873.0	1636.2	1397.9	1140.0	871.6	615.2	405.7	253.4	174.9	147.8
42.5°	2179.1	1928.7	1685.9	1438.7	1176.3	895.8	624.4	396.6	238.2	161.3	137.2
45°	2225.8	1980.0	1740.2	1496.0	1235.0	934.9	640.9	390.6	223.2	149.3	128.2
47.5°	2274.1	2055.3	1832.2	1586.4	1321.0	996.8	669.5	389.0	211.1	140.2	120.6
50°	2340.4	2130.8	1913.7	1678.3	1399.4	1060.1	704.2	390.6	196.1	131.2	113.1
52.5°	2388.6	2207.7	2019.2	1838.2	1586.4	1253.2	838.4	417.7	188.5	123.6	104.0
55°	2673.7	2642.0	2646.5	2676.7	2482.2	2132.3	1402.4	603.2	221.7	140.2	102.6
57.5°	3769.9	3881.6	3946.4	3944.9	3623.7	3005.4	1883.5	775.1	247.4	162.9	122.2
60°	5211.6	5127.2	5008.0	4714.0	4287.3	3430.7	2106.6	833.9	214.1	129.6	111.6
62.5°	6485.8	5991.2	5552.4	5075.9	4516.4	3578.4	2151.9	829.4	186.9	98.0	78.4
65°	7280.5	6390.9	5682.1	5085.0	4425.9	3454.8	2035.8	761.6	158.3	79.9	64.9
67.5°	7470.6	6175.2	5172.4	4410.9	3697.6	2688.7	1494.4	573.1	123.6	66.3	57.3
69°	7055.9	5489.1	4285.7	3421.7	2690.3	1783.9	924.4	361.9	95.0	60.3	52.7
70°	6490.4	4774.3	3491.0	2746.0	1992.0	1253.2	646.9	254.8	76.9	55.8	48.3
72.5°	4175.6	2507.8	1716.1	1194.3	821.9	499.2	253.4	114.6	58.9	46.7	39.2
75°	1619.6	927.5	672.5	511.2	399.6	277.5	153.8	73.9	49.7	39.2	30.2
77.5°	797.7	610.8	499.2	342.3	199.1	123.6	82.9	57.3	40.7	28.6	19.6
80°	630.4	419.2	250.4	155.3	117.6	89.0	63.3	46.7	30.2	18.1	13.6
82.5°	322.7	176.5	129.6	105.6	87.5	69.3	51.3	33.2	19.6	12.0	10.6
85°	101.0	73.9	66.3	64.9	60.3	49.7	36.2	21.1	12.0	7.6	7.6
87.5°	7.6	10.6	13.6	10.6	12.0	10.6	13.6	9.0	6.0	6.0	4.6
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°	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2	695.2
2.5°	633.4	615.2	598.7	588.1	568.5	560.9	553.5	550.5	536.9	539.9	527.8
5°	553.5	521.8	497.6	473.5	450.9	434.3	420.7	404.1	390.6	384.6	372.4
7.5°	481.0	440.3	408.7	383.0	355.9	334.8	316.7	304.7	292.5	280.5	274.4
10°	417.7	374.0	337.8	312.1	286.5	268.4	254.8	245.8	238.2	233.8	232.2
12.5°	358.9	316.7	283.5	260.9	241.2	232.2	226.2	221.7	220.2	218.7	218.7
15°	313.7	271.4	245.8	229.2	220.2	215.6	214.1	211.1	208.1	206.6	206.6
17.5°	271.4	239.8	221.7	212.6	208.1	205.1	202.1	199.1	196.1	194.5	194.5
20°	242.8	217.1	208.1	202.1	197.5	194.5	190.1	186.9	185.5	183.9	182.5
22.5°	220.2	203.6	197.5	193.1	186.9	182.5	179.5	176.5	173.4	171.9	170.4
25°	203.6	193.1	188.5	182.5	176.5	171.9	167.4	162.9	159.9	158.3	155.3
27.5°	191.5	183.9	177.9	170.4	164.4	159.9	155.3	150.8	147.8	144.8	143.2
30°	180.9	173.4	165.9	159.9	152.3	147.8	141.8	137.2	135.8	132.7	129.6
32.5°	170.4	162.9	155.3	147.8	140.2	134.2	131.2	125.2	122.2	120.6	117.6
35°	158.3	150.8	141.8	135.8	128.2	122.2	117.6	113.1	110.1	107.0	105.6
37.5°	147.8	138.8	129.6	122.2	116.2	110.1	105.6	101.0	98.0	95.0	93.5
40°	135.8	126.6	117.6	110.1	104.0	99.5	95.0	90.5	87.5	85.9	85.9
42.5°	125.2	114.6	105.6	99.5	95.0	89.0	84.5	79.9	78.4	76.9	78.4
45°	114.6	104.0	96.5	90.5	85.9	79.9	75.4	72.3	70.9	72.3	73.9
47.5°	105.6	95.0	87.5	82.9	78.4	73.9	69.3	66.3	66.3	69.3	72.3
50°	96.5	85.9	79.9	76.9	72.3	67.9	61.9	60.3	61.9	64.9	67.9
52.5°	87.5	75.4	70.9	69.3	64.9	60.3	55.8	54.3	55.8	58.9	57.3
55°	78.4	66.3	64.9	63.3	58.9	52.7	48.3	48.3	48.3	46.7	43.7
57.5°	75.4	58.9	57.3	55.8	51.3	45.3	42.2	39.2	37.7	33.2	31.7
60°	78.4	52.7	52.7	49.7	45.3	39.2	34.7	30.2	27.2	24.1	24.1
62.5°	63.3	48.3	46.7	43.7	37.7	31.7	27.2	22.6	21.1	19.6	19.6
65°	51.3	43.7	40.7	36.2	31.7	25.6	21.1	18.1	16.6	16.6	18.1
67.5°	46.7	39.2	34.7	30.2	25.6	19.6	16.6	15.1	15.1	16.6	16.6
69°	43.7	36.2	31.7	27.2	22.6	18.1	15.1	15.1	15.1	15.1	16.6
70°	40.7	34.7	30.2	25.6	19.6	15.1	13.6	13.6	15.1	15.1	16.6
72.5°	31.7	27.2	25.6	21.1	15.1	13.6	12.0	13.6	13.6	15.1	15.1
75°	24.1	19.6	19.6	16.6	12.0	10.6	10.6	12.0	12.0	13.6	13.6
77.5°	16.6	13.6	13.6	12.0	10.6	9.0	9.0	10.6	12.0	12.0	13.6
80°	12.0	10.6	9.0	10.6	9.0	7.6	9.0	10.6	10.6	12.0	12.0
82.5°	9.0	9.0	9.0	9.0	7.6	7.6	9.0	9.0	10.6	12.0	12.0
85°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	9.0	9.0	10.6	10.6
87.5°	4.6	4.6	4.6	6.0	6.0	7.6	7.6	7.6	7.6	9.0	9.0
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°	695.2	695.2	695.2	695.2
2.5°	524.8	523.3	517.2	518.8
5°	368.0	358.9	365.0	363.4
7.5°	269.9	268.4	266.9	269.9
10°	230.7	230.7	229.2	230.7
12.5°	217.1	217.1	217.1	217.1
15°	206.6	206.6	205.1	205.1
17.5°	194.5	194.5	194.5	193.1
20°	182.5	180.9	180.9	180.9
22.5°	168.9	167.4	167.4	167.4
25°	155.3	153.8	153.8	153.8
27.5°	141.8	140.2	138.8	138.8
30°	128.2	126.6	125.2	125.2
32.5°	114.6	113.1	111.6	111.6
35°	102.6	102.6	101.0	99.5
37.5°	92.0	92.0	92.0	92.0
40°	84.5	85.9	85.9	85.9
42.5°	79.9	81.5	82.9	84.5
45°	76.9	79.9	81.5	81.5
47.5°	75.4	76.9	78.4	78.4
50°	69.3	67.9	67.9	67.9
52.5°	55.8	52.7	51.3	49.7
55°	40.7	39.2	36.2	36.2
57.5°	28.6	28.6	27.2	27.2
60°	22.6	22.6	21.1	22.6
62.5°	19.6	19.6	19.6	19.6
65°	18.1	18.1	18.1	18.1
67.5°	18.1	18.1	18.1	18.1
69°	16.6	16.6	16.6	16.6
70°	16.6	16.6	16.6	16.6
72.5°	15.1	15.1	15.1	15.1
75°	13.6	15.1	15.1	15.1
77.5°	13.6	13.6	13.6	13.6
80°	12.0	12.0	13.6	13.6
82.5°	12.0	12.0	12.0	12.0
85°	10.6	10.6	12.0	12.0
87.5°	9.0	9.0	10.6	10.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)