

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: P150479

Luminaire Tested: **VXS-E06-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150479
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E06-LED-E1-SL3-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9501.5 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 150.5
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



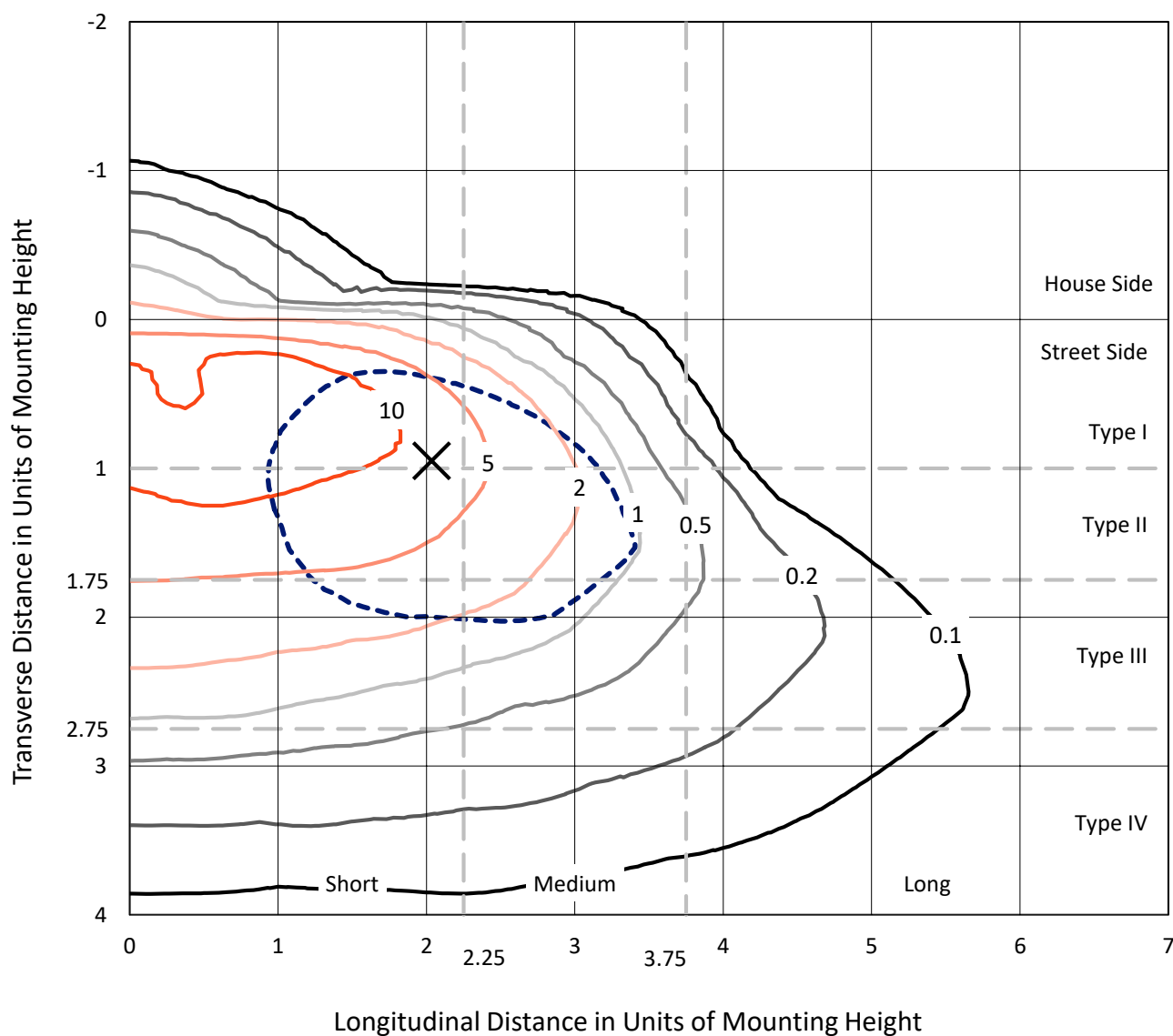
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

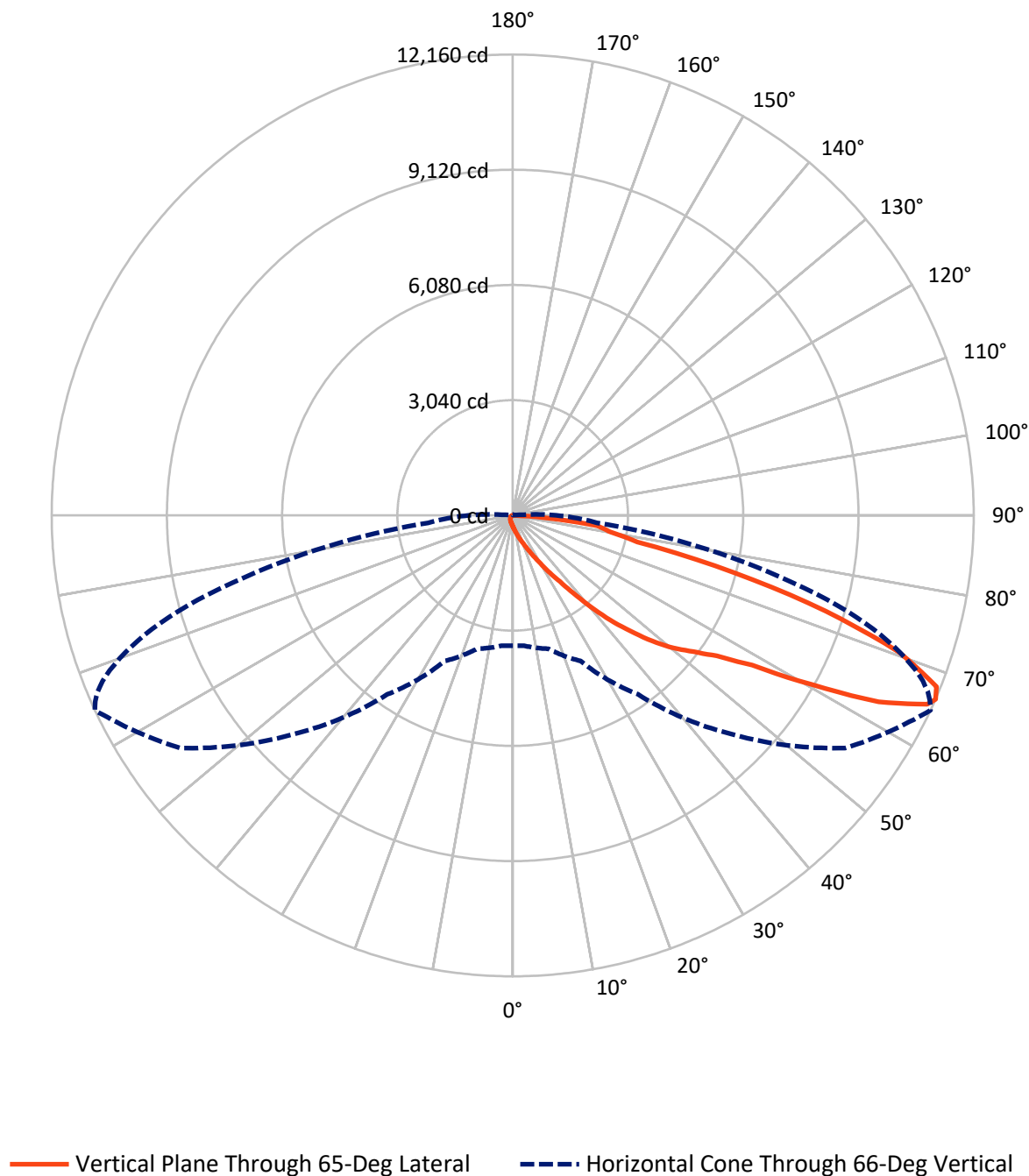


Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	205.9	0.0	205.9
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	9295.6	0.0	9295.6
	% Fixture	97.8	0.0	97.8
Total	Lumens	9501.5	0.0	9501.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	0.3
10°-20°	136.1	1.4
20°-30°	293.6	3.1
30°-40°	627.0	6.6
40°-50°	1386.6	14.6
50°-60°	2349.9	24.7
60°-70°	3135.8	33.0
70°-80°	1381.3	14.5
80°-90°	159.1	1.7
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°	9501.5	100.0
0°-180°	9501.5	100.0

Coefficient of Utilization



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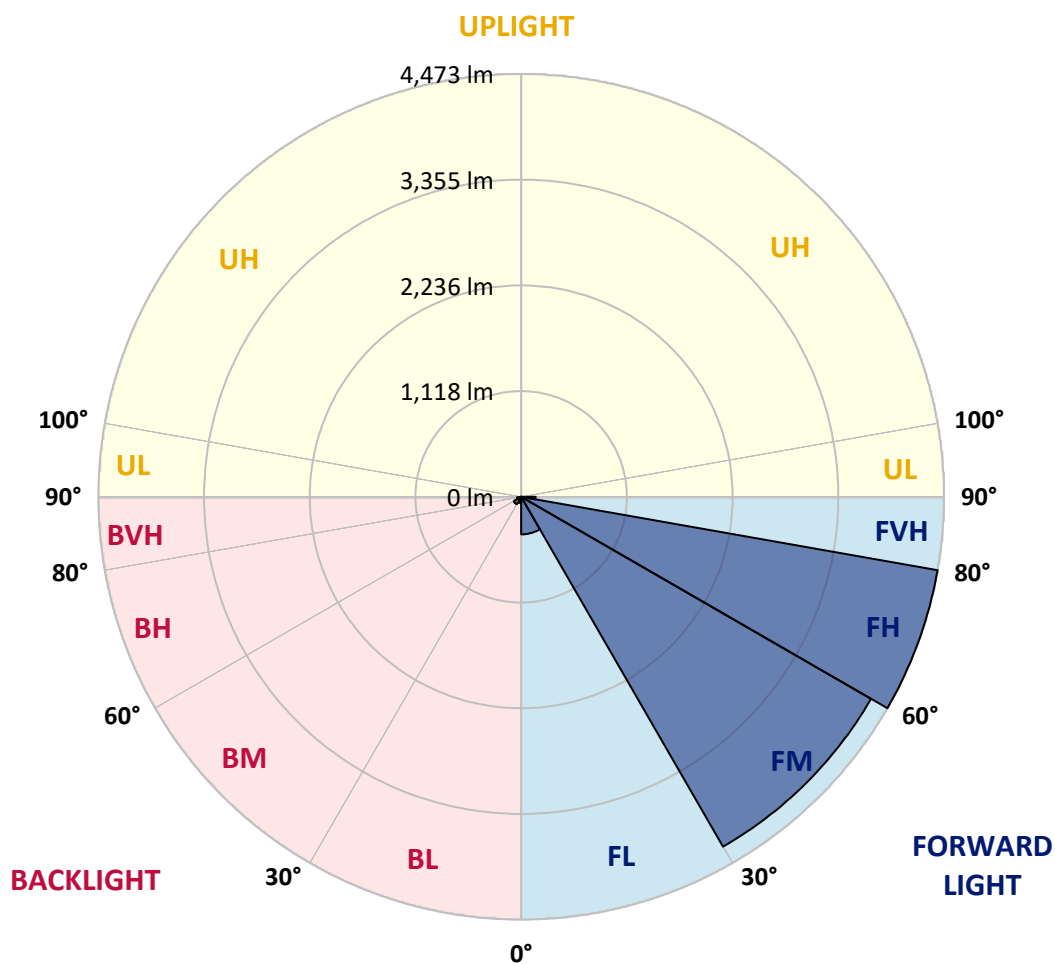
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.9	4.2			
FM	(30°-60°)	4273.1	45.0			
FH	(60°-80°)	4472.8	47.1			G2/5000
FVH	(80°-90°)	152.8	1.6			G2/225
BL	(0°-30°)	65.0	0.7	B0/110		
BM	(30°-60°)	90.4	1.0	B0/220		
BH	(60°-80°)	44.2	0.5	B0/110		G0/110
BVH	(80°-90°)	6.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8
2.5°	361.7	359.9	352.5	352.5	341.6	334.3	325.2	316.1	316.1	314.2	312.3
5°	478.5	467.7	465.8	445.7	429.3	405.5	383.6	354.4	350.8	347.0	345.3
7.5°	608.3	606.4	590.1	566.3	533.4	489.5	445.7	398.2	390.9	387.3	380.0
10°	776.4	767.3	745.3	705.1	655.8	597.3	526.1	451.2	442.1	434.7	431.1
12.5°	937.1	920.6	907.9	856.7	794.6	708.8	622.9	515.1	507.8	498.7	484.0
15°	1086.8	1072.2	1050.4	1006.5	937.1	829.3	728.8	597.3	579.1	566.3	555.3
17.5°	1203.8	1194.6	1169.1	1119.8	1044.9	949.8	829.3	681.3	666.7	650.3	630.3
20°	1315.2	1302.5	1262.3	1194.6	1114.3	1041.2	948.1	791.0	770.9	750.8	728.8
22.5°	1421.1	1408.4	1342.6	1231.2	1145.4	1114.3	1081.5	915.1	884.1	867.7	845.8
25°	1569.1	1541.8	1439.5	1262.3	1147.2	1170.9	1227.6	1076.0	1046.7	1022.9	988.3
27.5°	1768.3	1731.7	1571.0	1307.9	1154.5	1233.1	1395.6	1271.4	1240.3	1213.0	1174.6
30°	1993.0	1969.2	1777.4	1417.5	1207.5	1324.4	1583.7	1519.8	1483.3	1450.4	1404.8
32.5°	2219.5	2186.5	1996.6	1625.8	1349.9	1501.6	1819.4	1808.4	1760.9	1729.8	1680.5
35°	2418.5	2402.1	2261.5	1967.4	1675.1	1812.1	2133.6	2146.4	2104.4	2071.5	2016.7
37.5°	2553.7	2553.7	2526.3	2334.5	2192.0	2294.3	2595.8	2597.6	2555.5	2480.6	2453.3
40°	2623.1	2643.2	2741.9	2778.4	2771.1	2902.6	3202.2	3169.3	3134.6	3096.3	3005.0
42.5°	2765.6	2783.9	2994.0	3246.0	3410.5	3583.9	3790.4	3779.5	3737.4	3668.0	3583.9
45°	3006.7	3030.5	3280.7	3680.8	4018.8	4265.4	4396.9	4345.7	4303.7	4237.9	4194.1
47.5°	3313.7	3359.3	3642.5	4137.5	4544.9	4952.2	5089.2	4954.0	4917.5	4866.3	4795.1
50°	3640.6	3684.5	3985.9	4552.1	5012.4	5498.3	5726.7	5498.3	5445.4	5428.9	5348.6
52.5°	3923.7	3960.3	4250.8	4871.8	5370.5	5940.4	6272.8	5971.5	5933.2	5878.3	5819.9
55°	4091.8	4121.0	4393.3	5025.3	5613.5	6338.7	6800.8	6536.0	6479.3	6457.4	6373.4
57.5°	4148.4	4177.6	4422.5	5045.4	5745.0	6702.2	7442.0	7451.1	7383.5	7305.0	7279.4
60°	4148.4	4181.3	4387.8	4996.1	5872.8	7089.4	8296.9	9058.7	8912.4	8897.8	8804.7
62.5°	3976.7	4007.8	4216.1	4844.5	6044.6	7611.8	9487.9	10832.3	10790.4	10695.3	10541.9
65°	3604.0	3622.4	3826.9	4457.1	5978.8	8092.3	10520.0	12012.4	11944.8	11758.4	11561.1
66°	3436.1	3450.7	3642.5	4236.2	5763.2	8158.0	10702.6	12160.3	12048.9	11891.8	11669.0
67.5°	3193.1	3218.7	3353.8	3825.1	5246.3	7929.7	10587.6	12056.3	11959.4	11769.4	11546.5
70°	2131.7	2113.5	2590.3	2935.5	3996.8	6461.0	9498.9	10825.1	10826.8	10737.3	10647.9
72.5°	1012.0	1022.9	1161.8	1806.6	2615.9	4316.5	7560.7	8640.3	8764.6	8603.7	8492.3
75°	727.0	743.4	827.5	1105.2	1560.0	2590.3	4901.0	6042.7	6046.4	5761.5	5507.5
77.5°	211.9	221.0	310.6	681.3	1169.1	1748.2	2814.9	3359.3	3280.7	3076.2	2884.4
80°	87.7	87.7	91.3	217.4	469.4	1187.4	1969.2	2586.6	2577.5	2499.0	2385.7
82.5°	32.8	34.7	43.8	89.5	111.4	292.2	1313.4	2245.0	2239.6	2128.1	2047.8
85°	3.6	3.6	11.0	38.3	42.0	54.8	263.0	990.1	984.6	990.1	867.7
87.5°	0.0	0.0	1.9	3.6	5.5	7.4	11.0	38.3	42.0	40.2	36.6
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8
2.5°	312.3	308.7	308.7	306.8	306.8	306.8	305.1	303.2	303.2	301.5	299.6
5°	341.6	337.9	336.1	332.4	330.7	328.8	325.2	323.3	319.7	317.8	316.1
7.5°	376.3	369.0	367.2	361.7	356.2	352.5	348.9	343.4	339.8	332.4	330.7
10°	420.1	411.0	403.7	396.4	390.9	381.8	376.3	369.0	361.7	356.2	350.8
12.5°	476.8	463.9	453.1	445.7	433.0	422.0	411.0	405.5	390.9	383.6	374.5
15°	538.9	524.2	511.5	496.9	487.8	469.4	454.8	438.4	431.1	418.3	403.7
17.5°	619.3	595.5	575.4	560.8	542.5	524.2	507.8	491.4	469.4	454.8	436.6
20°	705.1	685.0	657.6	632.0	610.2	588.2	564.5	542.5	522.5	498.7	476.8
22.5°	814.7	785.5	752.6	727.0	697.8	674.1	641.1	611.9	579.1	548.0	522.5
25°	953.6	915.1	884.1	847.6	812.8	776.4	736.2	699.6	657.6	628.4	584.6
27.5°	1125.3	1088.7	1046.7	999.2	964.5	909.7	856.7	811.1	761.8	716.1	666.7
30°	1344.5	1291.5	1247.7	1202.0	1132.5	1079.6	1017.5	955.3	887.8	842.1	767.3
32.5°	1607.5	1550.9	1485.1	1419.4	1355.4	1280.5	1203.8	1127.0	1052.2	968.2	891.4
35°	1929.0	1861.5	1786.5	1715.2	1616.6	1536.3	1439.5	1333.5	1249.4	1152.6	1055.9
37.5°	2354.6	2243.2	2177.4	2102.5	1969.2	1859.6	1751.8	1645.9	1497.9	1395.6	1258.5
40°	2888.0	2822.3	2714.5	2593.9	2473.4	2329.0	2182.9	2042.3	1870.6	1728.1	1569.1
42.5°	3514.6	3417.7	3308.2	3134.6	3012.2	2842.4	2676.2	2489.8	2279.7	2097.1	1910.8
45°	4102.8	3987.7	3903.6	3730.2	3602.3	3401.3	3200.4	3003.1	2760.1	2524.5	2308.9
47.5°	4738.4	4643.5	4504.7	4363.9	4234.3	4007.8	3790.4	3551.1	3295.3	3015.9	2736.4
50°	5297.4	5222.5	5127.6	4957.6	4813.4	4623.4	4367.7	4106.4	3783.1	3505.4	3187.6
52.5°	5772.3	5713.9	5580.6	5460.0	5330.4	5151.3	4923.0	4672.7	4323.8	4018.8	3657.1
55°	6333.2	6291.2	6174.2	6099.4	5984.2	5812.5	5598.9	5366.8	4997.8	4665.4	4256.2
57.5°	7252.0	7219.2	7116.8	7085.8	6972.5	6822.7	6559.7	6311.3	5880.1	5467.4	4999.7
60°	8773.7	8707.9	8558.1	8481.3	8242.1	8041.1	7699.6	7357.9	6837.3	6311.3	5748.6
62.5°	10403.1	10218.5	9933.6	9688.8	9349.0	9000.1	8543.5	8021.0	7410.9	6786.2	6139.6
65°	11281.7	10967.5	10607.7	10218.5	9778.3	9265.0	8689.6	8063.0	7407.3	6747.9	6064.7
66°	11382.2	11027.8	10646.0	10213.1	9723.5	9177.3	8592.8	7935.2	7253.8	6610.9	5927.7
67.5°	11256.2	10885.3	10481.7	10001.1	9471.4	8905.2	8291.4	7608.2	6952.4	6300.3	5635.3
70°	10373.8	10004.9	9645.0	9139.0	8574.5	8004.6	7423.7	6660.1	6039.1	5439.9	4848.1
72.5°	8284.0	8033.8	7677.6	7244.7	6694.8	6026.3	5542.2	4859.1	4320.1	3739.3	3280.7
75°	5176.9	4824.4	4384.0	3832.4	3412.2	2869.7	2586.6	2067.9	1760.9	1492.4	1233.1
77.5°	2646.8	2382.0	2073.3	1762.8	1465.0	1169.1	904.2	639.4	431.1	299.6	222.9
80°	2186.5	1952.7	1697.0	1413.9	1150.8	893.3	643.0	438.4	279.5	182.7	142.5
82.5°	1806.6	1609.3	1381.0	1117.9	889.6	701.5	487.8	317.8	197.3	127.9	100.5
85°	769.0	697.8	538.9	427.5	321.5	237.5	166.2	111.4	78.5	63.9	58.4
87.5°	32.8	36.6	34.7	27.4	20.1	20.1	18.2	14.6	14.6	14.6	14.6
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8	286.8
2.5°	299.6	297.7	296.0	296.0	294.1	292.2	281.3	272.2	261.2	253.9	246.6
5°	312.3	310.6	306.8	305.1	301.5	299.6	275.9	255.8	239.3	226.5	217.4
7.5°	325.2	323.3	317.8	312.3	310.6	306.8	268.5	242.9	221.0	206.4	197.3
10°	341.6	336.1	330.7	323.3	317.8	312.3	261.2	228.3	204.6	191.8	182.7
12.5°	365.4	356.2	347.0	337.9	330.7	321.5	257.6	215.5	191.8	177.2	168.1
15°	392.7	380.0	369.0	358.0	345.3	336.1	250.3	204.6	180.8	166.2	155.2
17.5°	418.3	403.7	387.3	370.8	358.0	345.3	242.9	193.7	169.8	155.2	144.4
20°	454.8	433.0	412.8	392.7	374.5	358.0	232.0	182.7	160.7	144.4	133.4
22.5°	495.0	469.4	443.9	416.5	392.7	370.8	222.9	173.6	151.6	135.1	122.4
25°	546.2	515.1	480.4	445.7	418.3	389.1	213.7	164.4	142.5	126.0	113.3
27.5°	617.4	573.6	535.2	491.4	449.3	416.5	206.4	157.1	133.4	116.9	104.1
30°	714.2	650.3	590.1	542.5	493.2	445.7	199.1	148.0	126.0	107.8	93.2
32.5°	822.0	747.2	677.7	606.4	544.4	489.5	191.8	140.6	116.9	98.7	85.9
35°	955.3	860.4	767.3	685.0	610.2	537.1	184.5	133.4	109.6	89.5	76.7
37.5°	1147.2	1028.4	906.0	800.1	703.3	606.4	179.1	126.0	100.5	80.4	67.6
40°	1410.3	1256.8	1106.9	962.7	836.6	716.1	171.7	118.8	93.2	73.1	60.3
42.5°	1695.1	1508.8	1311.6	1149.0	975.4	823.8	164.4	111.4	85.9	65.8	53.0
45°	2049.5	1817.6	1578.2	1357.2	1145.4	949.8	157.1	104.1	76.7	58.4	45.7
47.5°	2436.8	2140.9	1870.6	1592.8	1340.8	1106.9	148.0	98.7	69.4	51.2	40.2
50°	2835.0	2522.7	2181.0	1865.1	1565.5	1264.0	138.9	89.5	62.1	45.7	32.8
52.5°	3264.4	2895.3	2546.4	2153.7	1804.8	1470.5	129.7	82.2	56.6	40.2	27.4
55°	3810.5	3397.6	2988.5	2548.3	2128.1	1709.7	120.5	73.1	49.3	34.7	22.0
57.5°	4497.3	4007.8	3505.4	3008.6	2499.0	2023.9	113.3	63.9	42.0	29.2	18.2
60°	5145.8	4574.1	3965.8	3394.0	2818.5	2265.1	102.3	56.6	36.6	23.7	18.2
62.5°	5482.0	4829.8	4174.0	3543.8	2930.1	2351.0	91.3	47.5	31.1	20.1	16.5
65°	5399.7	4734.8	4099.1	3463.4	2862.5	2296.2	80.4	42.0	27.4	18.2	16.5
66°	5281.0	4623.4	3984.0	3379.4	2805.8	2237.7	74.9	40.2	25.6	18.2	14.6
67.5°	5021.6	4385.9	3775.8	3213.2	2650.6	2126.3	67.6	36.6	23.7	16.5	14.6
70°	4289.1	3711.8	3224.1	2723.6	2265.1	1792.0	54.8	31.1	20.1	14.6	14.6
72.5°	2838.7	2445.9	2120.8	1824.9	1525.3	1183.7	45.7	25.6	16.5	14.6	12.7
75°	1070.5	968.2	831.2	747.2	652.1	571.7	36.6	16.5	12.7	12.7	12.7
77.5°	189.9	175.3	155.2	142.5	131.5	120.5	29.2	11.0	11.0	12.7	12.7
80°	127.9	118.8	107.8	98.7	91.3	82.2	20.1	9.1	11.0	11.0	12.7
82.5°	91.3	85.9	80.4	73.1	67.6	60.3	12.7	9.1	11.0	11.0	11.0
85°	54.8	51.2	47.5	43.8	38.3	36.6	9.1	9.1	9.1	11.0	11.0
87.5°	14.6	12.7	14.6	14.6	11.0	12.7	7.4	7.4	7.4	9.1	9.1
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):

	145°	155°	165°	175°	180°
0°	286.8	286.8	286.8	286.8	286.8
2.5°	242.9	242.9	239.3	244.8	244.8
5°	210.1	210.1	208.3	210.1	210.1
7.5°	191.8	189.9	189.9	189.9	191.8
10°	175.3	173.6	173.6	173.6	173.6
12.5°	160.7	159.0	157.1	159.0	159.0
15°	148.0	144.4	144.4	144.4	144.4
17.5°	137.0	133.4	131.5	131.5	131.5
20°	126.0	120.5	120.5	120.5	120.5
22.5°	115.1	109.6	109.6	109.6	109.6
25°	104.1	98.7	98.7	98.7	98.7
27.5°	95.0	89.5	89.5	89.5	89.5
30°	84.0	80.4	80.4	82.2	80.4
32.5°	76.7	71.2	71.2	73.1	73.1
35°	67.6	63.9	63.9	63.9	63.9
37.5°	58.4	54.8	54.8	54.8	54.8
40°	51.2	47.5	45.7	47.5	47.5
42.5°	43.8	40.2	38.3	38.3	38.3
45°	38.3	32.8	31.1	32.8	32.8
47.5°	31.1	27.4	27.4	29.2	29.2
50°	23.7	23.7	25.6	29.2	29.2
52.5°	22.0	22.0	25.6	29.2	29.2
55°	20.1	22.0	25.6	27.4	29.2
57.5°	18.2	22.0	25.6	27.4	27.4
60°	18.2	20.1	23.7	27.4	27.4
62.5°	16.5	18.2	22.0	25.6	25.6
65°	16.5	18.2	22.0	25.6	25.6
66°	16.5	18.2	22.0	25.6	25.6
67.5°	16.5	18.2	22.0	25.6	25.6
70°	16.5	18.2	22.0	23.7	23.7
72.5°	14.6	16.5	20.1	23.7	23.7
75°	14.6	16.5	20.1	23.7	23.7
77.5°	14.6	16.5	20.1	23.7	23.7
80°	14.6	16.5	20.1	22.0	23.7
82.5°	12.7	16.5	18.2	22.0	22.0
85°	12.7	14.6	18.2	20.1	22.0
87.5°	11.0	12.7	14.6	18.2	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)