

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: P180637

Luminaire Tested: **ICS-E03-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180637
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: ICS-E03-LED-E1-SL3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4275.9 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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

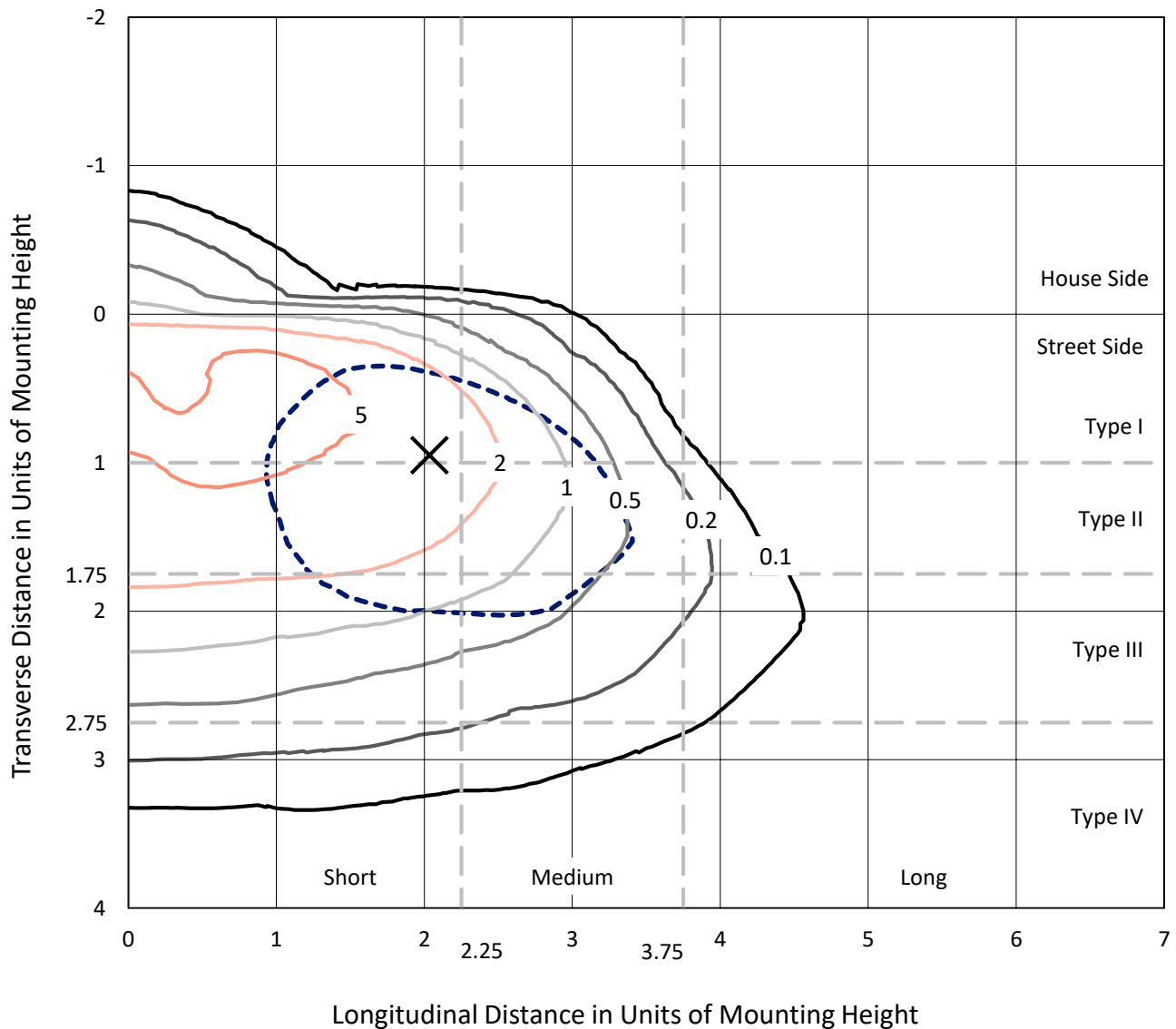


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

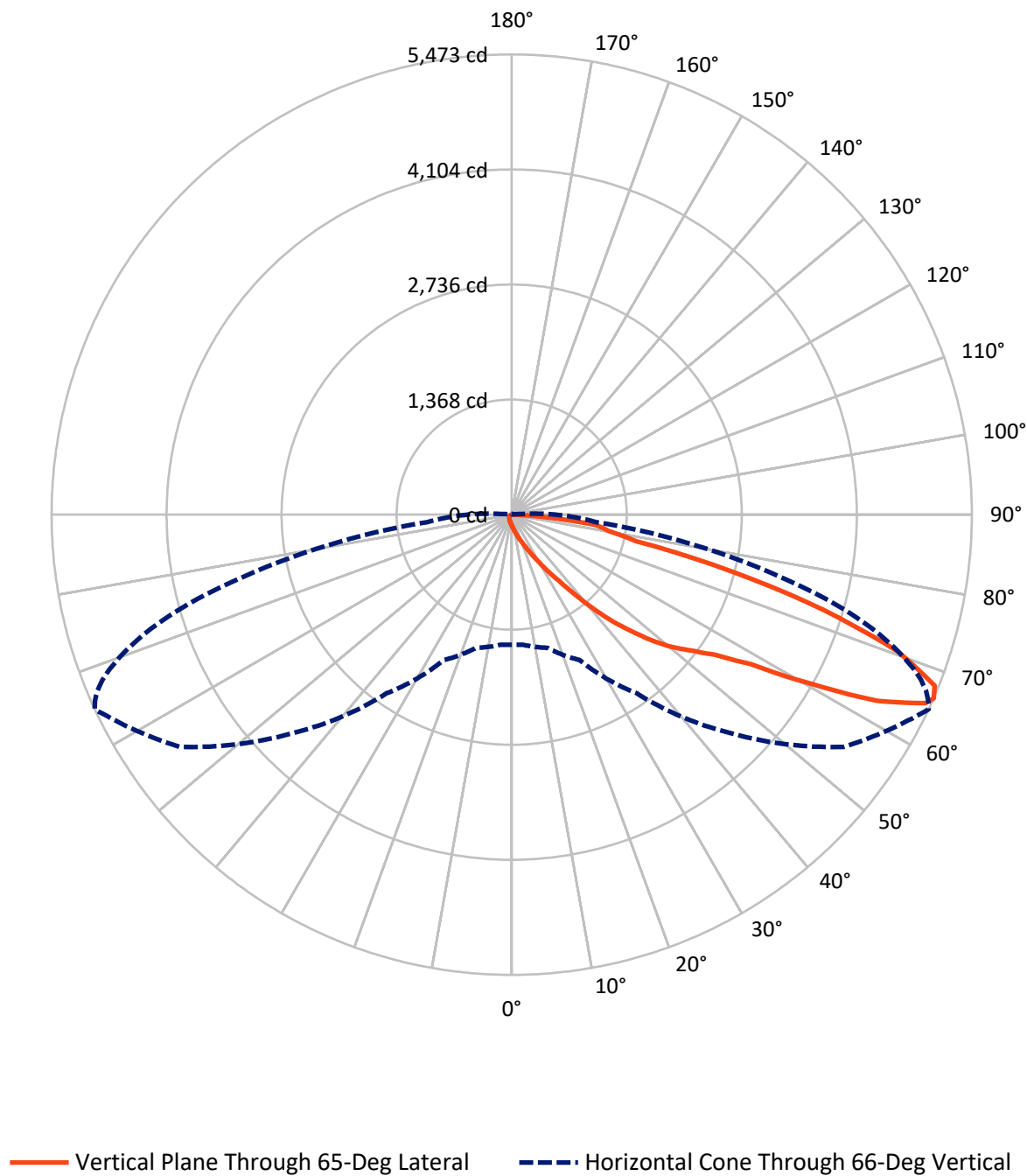


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	92.7	0.0	92.7
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	4183.3	0.0	4183.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	4275.9	0.0	4275.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.3
10°-20°	61.3	1.4
20°-30°	132.1	3.1
30°-40°	282.2	6.6
40°-50°	624.0	14.6
50°-60°	1057.5	24.7
60°-70°	1411.2	33.0
70°-80°	621.6	14.5
80°-90°	71.6	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°	4275.9	100.0
0°-180°	4275.9	100.0

Coefficient of Utilization



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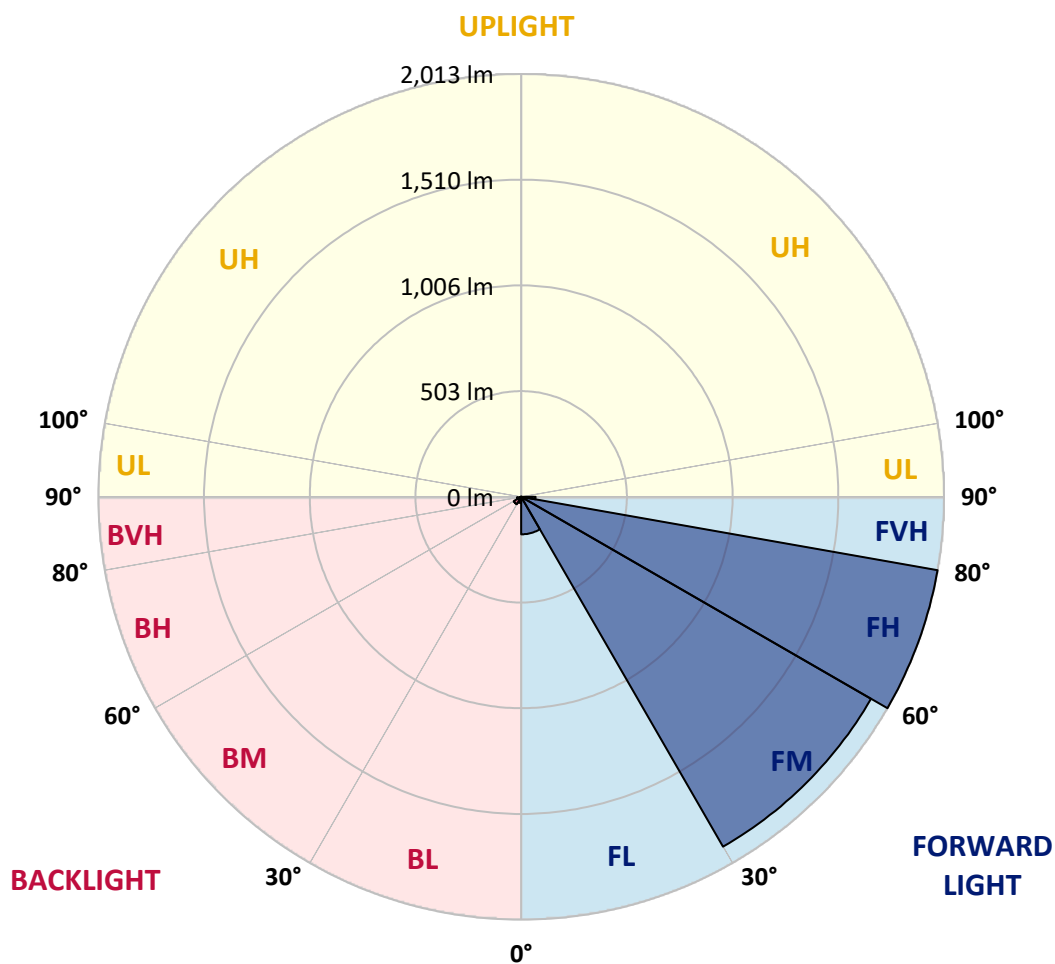
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.6	4.2			
FM	(30°-60°)	1923.0	45.0			
FH	(60°-80°)	2012.9	47.1			G2/5000
FVH	(80°-90°)	68.7	1.6			G1/100
BL	(0°-30°)	29.2	0.7	B0/110		
BM	(30°-60°)	40.7	1.0	B0/220		
BH	(60°-80°)	19.9	0.5	B0/110		G0/110
BVH	(80°-90°)	2.9	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°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	162.8	161.9	158.7	158.7	153.7	150.4	146.3	142.2	142.2	141.4	140.6
5°	215.4	210.4	209.6	200.6	193.2	182.5	172.6	159.5	157.8	156.2	155.4
7.5°	273.7	272.9	265.5	254.8	240.0	220.3	200.6	179.2	175.9	174.3	171.0
10°	349.4	345.3	335.4	317.3	295.1	268.8	236.8	203.0	198.9	195.7	194.0
12.5°	421.7	414.3	408.6	385.5	357.6	319.0	280.3	231.8	228.5	224.4	217.8
15°	489.1	482.5	472.7	453.0	421.7	373.2	328.0	268.8	260.6	254.8	249.9
17.5°	541.7	537.6	526.1	503.9	470.2	427.5	373.2	306.6	300.1	292.7	283.6
20°	591.9	586.1	568.0	537.6	501.5	468.6	426.6	356.0	346.9	337.9	328.0
22.5°	639.6	633.8	604.2	554.1	515.4	501.5	486.7	411.9	397.9	390.5	380.6
25°	706.1	693.8	647.8	568.0	516.3	526.9	552.4	484.2	471.0	460.4	444.7
27.5°	795.8	779.3	707.0	588.6	519.5	554.9	628.1	572.2	558.2	545.8	528.6
30°	896.9	886.2	799.9	637.9	543.4	596.0	712.7	684.0	667.5	652.7	632.2
32.5°	998.8	984.0	898.5	731.6	607.5	675.7	818.8	813.8	792.5	778.5	756.3
35°	1088.4	1081.0	1017.7	885.4	753.8	815.5	960.2	965.9	947.0	932.2	907.6
37.5°	1149.2	1149.2	1136.9	1050.6	986.5	1032.5	1168.1	1169.0	1150.1	1116.4	1104.0
40°	1180.5	1189.5	1233.9	1250.4	1247.1	1306.3	1441.1	1426.3	1410.7	1393.4	1352.3
42.5°	1244.6	1252.8	1347.4	1460.8	1534.8	1612.9	1705.8	1700.8	1681.9	1650.7	1612.9
45°	1353.1	1363.8	1476.4	1656.5	1808.5	1919.5	1978.7	1955.7	1936.8	1907.2	1887.4
47.5°	1491.2	1511.8	1639.2	1862.0	2045.3	2228.6	2290.3	2229.4	2213.0	2190.0	2157.9
50°	1638.4	1658.1	1793.7	2048.6	2255.7	2474.4	2577.2	2474.4	2450.6	2443.2	2407.0
52.5°	1765.8	1782.2	1912.9	2192.4	2416.9	2673.3	2823.0	2687.3	2670.1	2645.4	2619.1
55°	1841.4	1854.6	1977.1	2261.5	2526.2	2852.5	3060.5	2941.3	2915.8	2906.0	2868.2
57.5°	1866.9	1880.1	1990.2	2270.5	2585.4	3016.1	3349.1	3353.2	3322.8	3287.4	3275.9
60°	1866.9	1881.7	1974.6	2248.3	2642.9	3190.4	3733.8	4076.6	4010.8	4004.3	3962.3
62.5°	1789.6	1803.6	1897.3	2180.1	2720.2	3425.5	4269.8	4874.8	4855.9	4813.2	4744.1
65°	1621.9	1630.1	1722.2	2005.8	2690.6	3641.7	4734.2	5405.9	5375.5	5291.6	5202.8
66°	1546.3	1552.9	1639.2	1906.4	2593.6	3671.3	4816.4	5472.5	5422.3	5351.6	5251.3
67.5°	1437.0	1448.5	1509.3	1721.4	2361.0	3568.6	4764.7	5425.6	5382.0	5296.5	5196.2
70°	959.3	951.1	1165.7	1321.1	1798.7	2907.6	4274.7	4871.5	4872.3	4832.1	4791.8
72.5°	455.4	460.4	522.8	813.0	1177.2	1942.5	3402.5	3888.3	3944.2	3871.9	3821.8
75°	327.2	334.6	372.4	497.3	702.0	1165.7	2205.6	2719.4	2721.0	2592.8	2478.5
77.5°	95.4	99.5	139.8	306.6	526.1	786.7	1266.8	1511.8	1476.4	1384.3	1298.0
80°	39.5	39.5	41.1	97.8	211.3	534.3	886.2	1164.0	1159.9	1124.6	1073.6
82.5°	14.8	15.6	19.7	40.3	50.1	131.5	591.1	1010.3	1007.8	957.7	921.5
85°	1.6	1.6	4.9	17.3	18.9	24.7	118.4	445.6	443.1	445.6	390.5
87.5°	0.0	0.0	0.8	1.6	2.5	3.3	4.9	17.3	18.9	18.1	16.4
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	140.6	138.9	138.9	138.1	138.1	138.1	137.3	136.5	136.5	135.6	134.8
5°	153.7	152.1	151.3	149.6	148.8	148.0	146.3	145.5	143.9	143.0	142.2
7.5°	169.3	166.1	165.2	162.8	160.3	158.7	157.0	154.5	152.9	149.6	148.8
10°	189.1	185.0	181.7	178.4	175.9	171.8	169.3	166.1	162.8	160.3	157.8
12.5°	214.6	208.8	203.9	200.6	194.8	189.9	185.0	182.5	175.9	172.6	168.5
15°	242.5	235.9	230.2	223.6	219.5	211.3	204.7	197.3	194.0	188.3	181.7
17.5°	278.7	268.0	258.9	252.4	244.2	235.9	228.5	221.1	211.3	204.7	196.5
20°	317.3	308.3	295.9	284.4	274.6	264.7	254.0	244.2	235.1	224.4	214.6
22.5°	366.6	353.5	338.7	327.2	314.0	303.3	288.5	275.4	260.6	246.6	235.1
25°	429.1	411.9	397.9	381.4	365.8	349.4	331.3	314.8	295.9	282.8	263.1
27.5°	506.4	489.9	471.0	449.7	434.0	409.4	385.5	365.0	342.8	322.2	300.1
30°	605.0	581.2	561.5	540.9	509.7	485.8	457.9	429.9	399.5	379.0	345.3
32.5°	723.4	697.9	668.3	638.7	610.0	576.3	541.7	507.2	473.5	435.7	401.2
35°	868.1	837.7	804.0	771.9	727.5	691.4	647.8	600.1	562.3	518.7	475.2
37.5°	1059.6	1009.5	979.9	946.2	886.2	836.9	788.4	740.7	674.1	628.1	566.4
40°	1299.7	1270.1	1221.6	1167.3	1113.1	1048.1	982.4	919.1	841.8	777.7	706.1
42.5°	1581.6	1538.1	1488.8	1410.7	1355.6	1279.1	1204.3	1120.5	1025.9	943.7	859.9
45°	1846.3	1794.6	1756.7	1678.6	1621.1	1530.7	1440.2	1351.5	1242.1	1136.1	1039.1
47.5°	2132.4	2089.7	2027.2	1963.9	1905.5	1803.6	1705.8	1598.1	1483.0	1357.2	1231.4
50°	2384.0	2350.3	2307.5	2231.1	2166.1	2080.6	1965.5	1848.0	1702.5	1577.5	1434.5
52.5°	2597.7	2571.4	2511.4	2457.1	2398.8	2318.2	2215.5	2102.8	1945.8	1808.5	1645.8
55°	2850.1	2831.2	2778.6	2744.9	2693.1	2615.8	2519.6	2415.2	2249.2	2099.5	1915.4
57.5°	3263.6	3248.8	3202.7	3188.8	3137.8	3070.4	2952.0	2840.2	2646.2	2460.4	2250.0
60°	3948.4	3918.8	3851.4	3816.8	3709.1	3618.7	3465.0	3311.3	3077.0	2840.2	2587.0
62.5°	4681.6	4598.6	4470.4	4360.2	4207.3	4050.3	3844.8	3609.7	3335.1	3054.0	2762.9
65°	5077.0	4935.6	4773.7	4598.6	4400.5	4169.5	3910.5	3628.6	3333.5	3036.7	2729.2
66°	5122.3	4962.8	4791.0	4596.1	4375.8	4130.0	3867.0	3571.0	3264.4	2975.0	2667.6
67.5°	5065.5	4898.7	4717.0	4500.8	4262.4	4007.5	3731.3	3423.9	3128.8	2835.3	2536.1
70°	4668.5	4502.4	4340.5	4112.8	3858.7	3602.3	3340.9	2997.2	2717.7	2448.1	2181.7
72.5°	3728.0	3615.4	3455.1	3260.3	3012.8	2712.0	2494.1	2186.7	1944.2	1682.8	1476.4
75°	2329.7	2171.1	1972.9	1724.7	1535.6	1291.5	1164.0	930.6	792.5	671.6	554.9
77.5°	1191.2	1072.0	933.0	793.3	659.3	526.1	406.9	287.7	194.0	134.8	100.3
80°	984.0	878.8	763.7	636.3	517.9	402.0	289.4	197.3	125.8	82.2	64.1
82.5°	813.0	724.2	621.5	503.1	400.3	315.7	219.5	143.0	88.8	57.5	45.2
85°	346.1	314.0	242.5	192.4	144.7	106.9	74.8	50.1	35.3	28.8	26.3
87.5°	14.8	16.4	15.6	12.3	9.0	9.0	8.2	6.6	6.6	6.6	6.6
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°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	134.8	134.0	133.2	133.2	132.4	131.5	126.6	122.5	117.6	114.3	111.0
5°	140.6	139.8	138.1	137.3	135.6	134.8	124.1	115.1	107.7	101.9	97.8
7.5°	146.3	145.5	143.0	140.6	139.8	138.1	120.8	109.3	99.5	92.9	88.8
10°	153.7	151.3	148.8	145.5	143.0	140.6	117.6	102.8	92.1	86.3	82.2
12.5°	164.4	160.3	156.2	152.1	148.8	144.7	115.9	97.0	86.3	79.7	75.6
15°	176.7	171.0	166.1	161.1	155.4	151.3	112.6	92.1	81.4	74.8	69.9
17.5°	188.3	181.7	174.3	166.9	161.1	155.4	109.3	87.1	76.5	69.9	64.9
20°	204.7	194.8	185.8	176.7	168.5	161.1	104.4	82.2	72.3	64.9	60.0
22.5°	222.8	211.3	199.8	187.4	176.7	166.9	100.3	78.1	68.2	60.8	55.1
25°	245.8	231.8	216.2	200.6	188.3	175.1	96.2	74.0	64.1	56.7	51.0
27.5°	277.9	258.1	240.9	221.1	202.2	187.4	92.9	70.7	60.0	52.6	46.9
30°	321.4	292.7	265.5	244.2	222.0	200.6	89.6	66.6	56.7	48.5	41.9
32.5°	369.9	336.2	305.0	272.9	245.0	220.3	86.3	63.3	52.6	44.4	38.6
35°	429.9	387.2	345.3	308.3	274.6	241.7	83.0	60.0	49.3	40.3	34.5
37.5°	516.3	462.8	407.7	360.1	316.5	272.9	80.6	56.7	45.2	36.2	30.4
40°	634.6	565.6	498.2	433.2	376.5	322.2	77.3	53.4	41.9	32.9	27.1
42.5°	762.9	679.0	590.2	517.1	439.0	370.7	74.0	50.1	38.6	29.6	23.8
45°	922.4	817.9	710.3	610.8	515.4	427.5	70.7	46.9	34.5	26.3	20.6
47.5°	1096.6	963.5	841.8	716.8	603.4	498.2	66.6	44.4	31.2	23.0	18.1
50°	1275.8	1135.3	981.5	839.3	704.5	568.9	62.5	40.3	28.0	20.6	14.8
52.5°	1469.0	1303.0	1146.0	969.2	812.2	661.8	58.4	37.0	25.5	18.1	12.3
55°	1714.8	1529.0	1344.9	1146.8	957.7	769.4	54.3	32.9	22.2	15.6	9.9
57.5°	2023.9	1803.6	1577.5	1353.9	1124.6	910.8	51.0	28.8	18.9	13.2	8.2
60°	2315.7	2058.4	1784.7	1527.4	1268.4	1019.4	46.0	25.5	16.4	10.7	8.2
62.5°	2467.0	2173.5	1878.4	1594.8	1318.6	1058.0	41.1	21.4	14.0	9.0	7.4
65°	2430.0	2130.8	1844.7	1558.6	1288.2	1033.3	36.2	18.9	12.3	8.2	7.4
66°	2376.6	2080.6	1792.9	1520.8	1262.7	1007.0	33.7	18.1	11.5	8.2	6.6
67.5°	2259.8	1973.8	1699.2	1446.0	1192.8	956.9	30.4	16.4	10.7	7.4	6.6
70°	1930.2	1670.4	1450.9	1225.7	1019.4	806.4	24.7	14.0	9.0	6.6	6.6
72.5°	1277.5	1100.7	954.4	821.2	686.4	532.7	20.6	11.5	7.4	6.6	5.8
75°	481.7	435.7	374.0	336.2	293.5	257.3	16.4	7.4	5.8	5.8	5.8
77.5°	85.5	78.9	69.9	64.1	59.2	54.3	13.2	4.9	4.9	5.8	5.8
80°	57.5	53.4	48.5	44.4	41.1	37.0	9.0	4.1	4.9	4.9	5.8
82.5°	41.1	38.6	36.2	32.9	30.4	27.1	5.8	4.1	4.9	4.9	4.9
85°	24.7	23.0	21.4	19.7	17.3	16.4	4.1	4.1	4.1	4.9	4.9
87.5°	6.6	5.8	6.6	6.6	4.9	5.8	3.3	3.3	3.3	4.1	4.1
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°	129.1	129.1	129.1	129.1	129.1
2.5°	109.3	109.3	107.7	110.2	110.2
5°	94.5	94.5	93.7	94.5	94.5
7.5°	86.3	85.5	85.5	85.5	86.3
10°	78.9	78.1	78.1	78.1	78.1
12.5°	72.3	71.5	70.7	71.5	71.5
15°	66.6	64.9	64.9	64.9	64.9
17.5°	61.7	60.0	59.2	59.2	59.2
20°	56.7	54.3	54.3	54.3	54.3
22.5°	51.8	49.3	49.3	49.3	49.3
25°	46.9	44.4	44.4	44.4	44.4
27.5°	42.7	40.3	40.3	40.3	40.3
30°	37.8	36.2	36.2	37.0	36.2
32.5°	34.5	32.1	32.1	32.9	32.9
35°	30.4	28.8	28.8	28.8	28.8
37.5°	26.3	24.7	24.7	24.7	24.7
40°	23.0	21.4	20.6	21.4	21.4
42.5°	19.7	18.1	17.3	17.3	17.3
45°	17.3	14.8	14.0	14.8	14.8
47.5°	14.0	12.3	12.3	13.2	13.2
50°	10.7	10.7	11.5	13.2	13.2
52.5°	9.9	9.9	11.5	13.2	13.2
55°	9.0	9.9	11.5	12.3	13.2
57.5°	8.2	9.9	11.5	12.3	12.3
60°	8.2	9.0	10.7	12.3	12.3
62.5°	7.4	8.2	9.9	11.5	11.5
65°	7.4	8.2	9.9	11.5	11.5
66°	7.4	8.2	9.9	11.5	11.5
67.5°	7.4	8.2	9.9	11.5	11.5
70°	7.4	8.2	9.9	10.7	10.7
72.5°	6.6	7.4	9.0	10.7	10.7
75°	6.6	7.4	9.0	10.7	10.7
77.5°	6.6	7.4	9.0	10.7	10.7
80°	6.6	7.4	9.0	9.9	10.7
82.5°	5.8	7.4	8.2	9.9	9.9
85°	5.8	6.6	8.2	9.0	9.9
87.5°	4.9	5.8	6.6	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)