

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: P155460

Luminaire Tested: **VXS-E06-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155460
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
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-T3
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18503.5 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

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



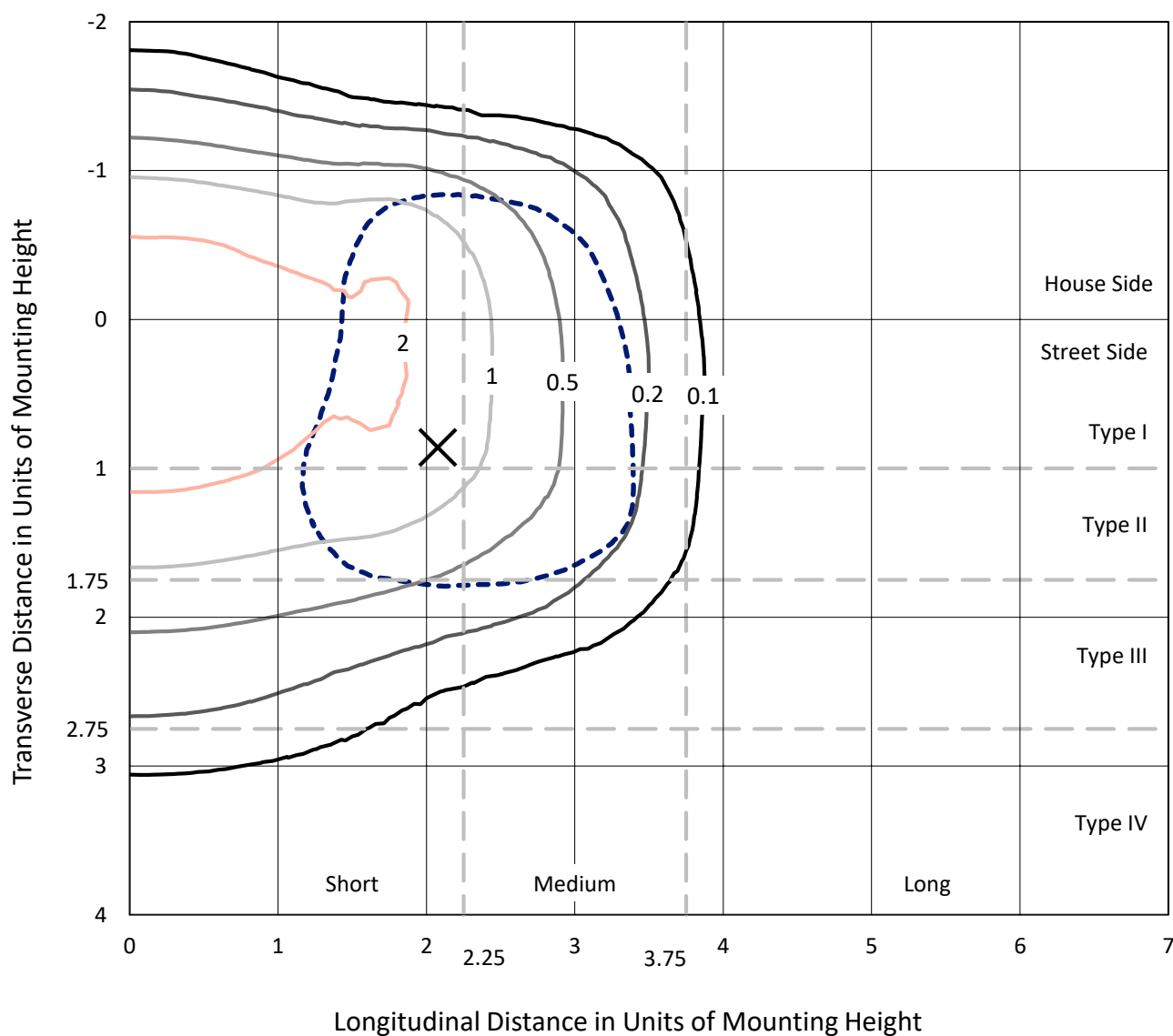
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

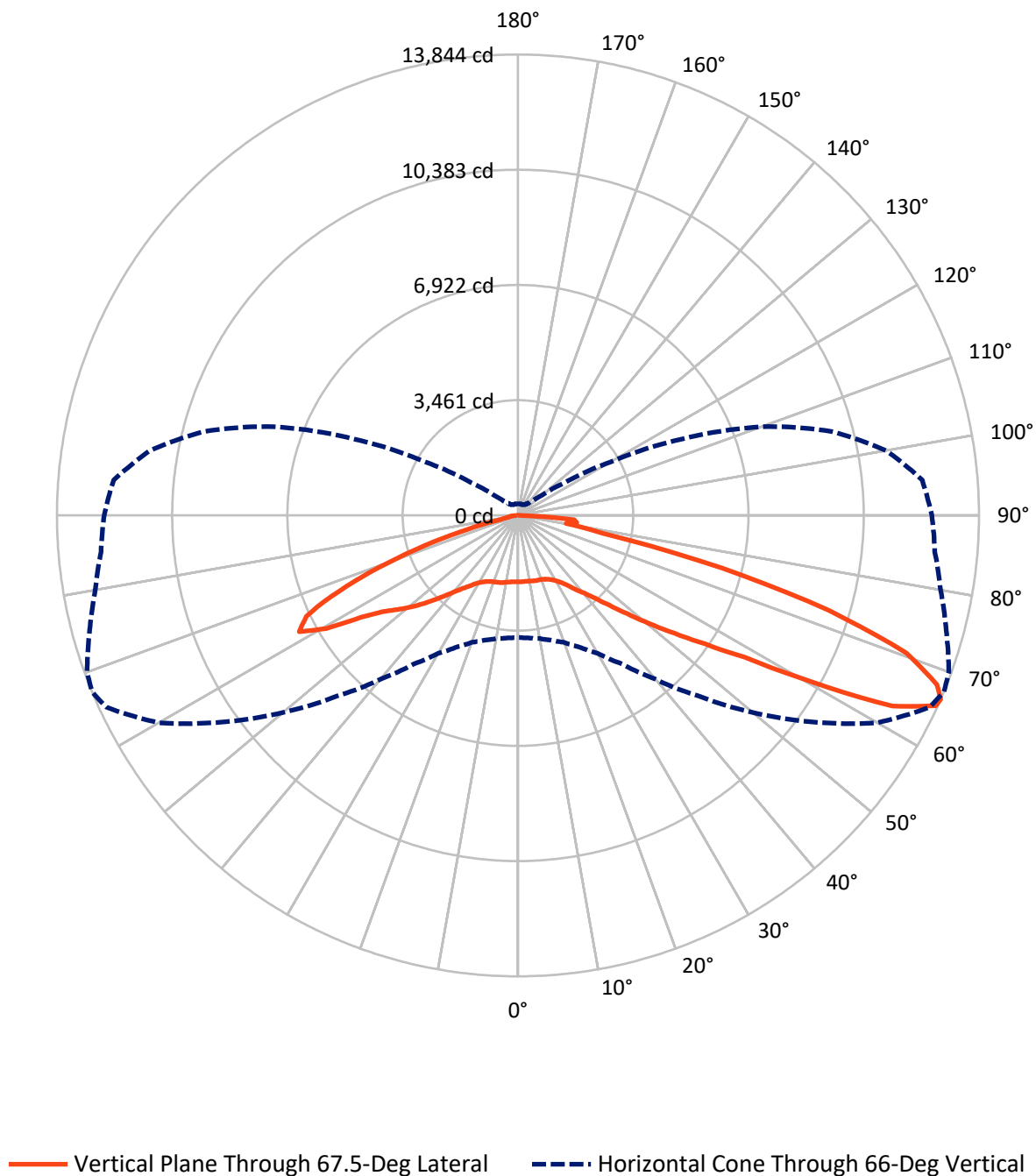


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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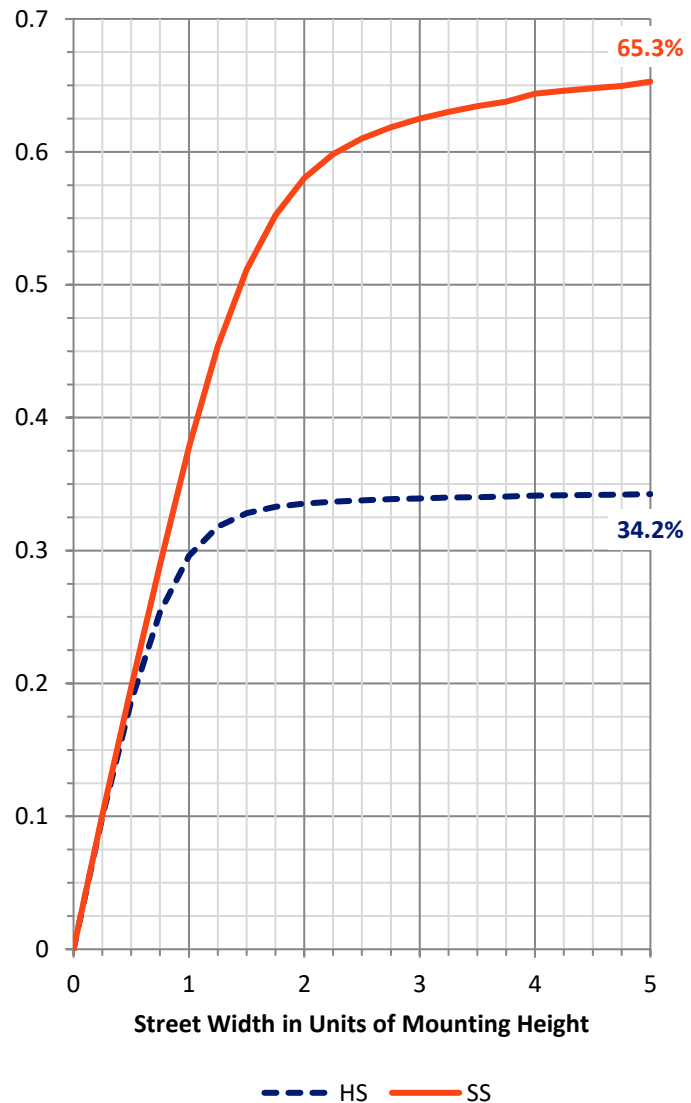
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6389.9	0.0	6389.9
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	12113.7	0.0	12113.7
	% Fixture	65.5	0.0	65.5
Total	Lumens	18503.5	0.0	18503.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	1.0
10°-20°	563.6	3.0
20°-30°	968.7	5.2
30°-40°	1572.9	8.5
40°-50°	2626.0	14.2
50°-60°	4135.0	22.3
60°-70°	5638.5	30.5
70°-80°	2440.8	13.2
80°-90°	367.0	2.0
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°	18503.5	100.0
0°-180°	18503.5	100.0

Coefficient of Utilization



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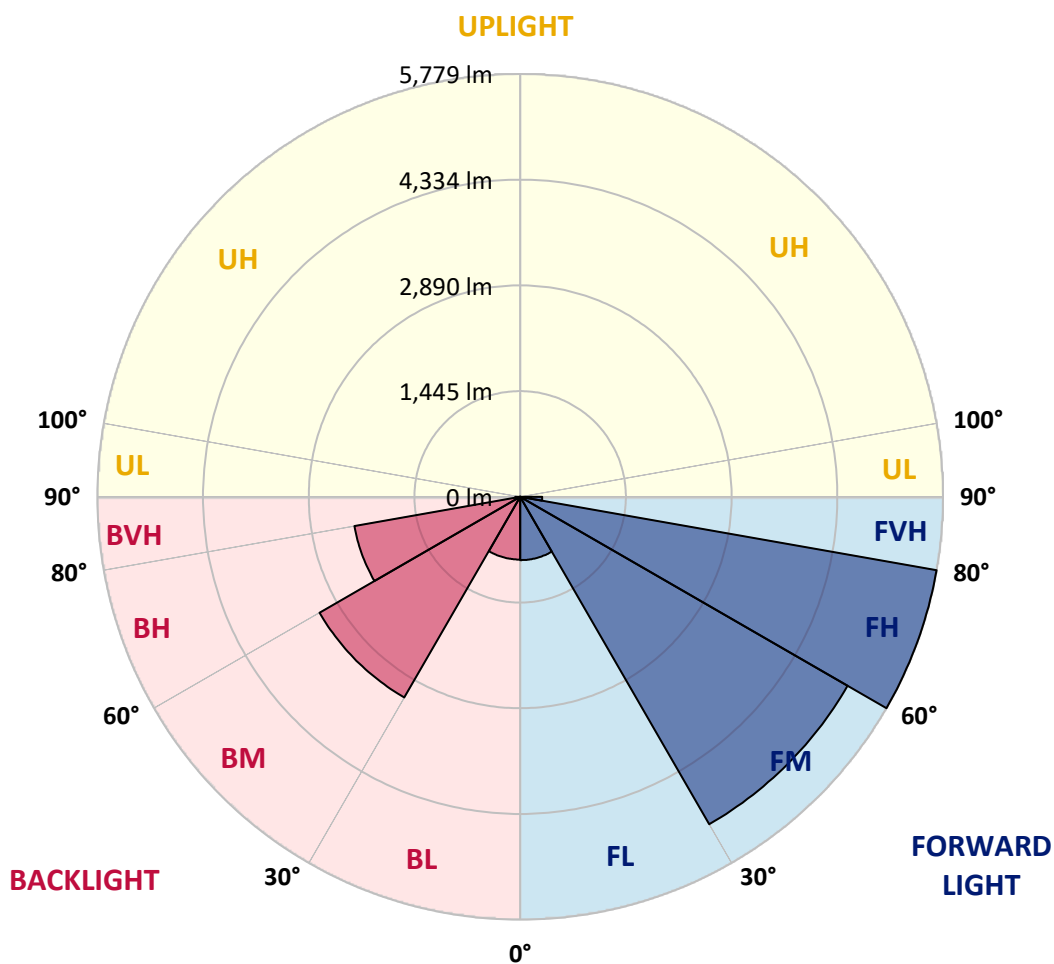
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	865.6	4.7			
FM	(30°-60°)	5167.4	27.9			
FH	(60°-80°)	5779.3	31.2			G3/7500
FVH	(80°-90°)	301.4	1.6			G3/500
BL	(0°-30°)	857.7	4.6	B2/1000		
BM	(30°-60°)	3166.4	17.1	B3/5000		
BH	(60°-80°)	2300.0	12.4	B3/2500		G3/2500
BVH	(80°-90°)	65.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2002.0	2009.9	2002.0	2004.0	2006.0	2004.0	2002.0	2002.0	1996.0	2000.0	2004.0
5°	1994.0	2000.0	1998.0	2000.0	2002.0	2000.0	1998.0	2000.0	1996.0	1998.0	2004.0
7.5°	1984.0	1982.0	1984.0	1988.0	1992.0	1992.0	1992.0	1994.0	1992.0	1992.0	1998.0
10°	1954.0	1956.0	1960.0	1966.0	1968.0	1974.0	1974.0	1980.0	1982.0	1986.0	1994.0
12.5°	1916.0	1918.0	1922.0	1926.0	1936.0	1946.0	1946.0	1960.0	1966.0	1976.0	1990.1
15°	1888.0	1889.9	1894.0	1898.0	1906.0	1916.0	1922.0	1938.0	1948.0	1966.0	1986.0
17.5°	1904.0	1902.0	1906.0	1908.0	1908.0	1916.0	1916.0	1928.0	1940.0	1956.0	1982.0
20°	1950.1	1950.1	1954.0	1954.0	1952.0	1956.0	1948.0	1948.0	1950.1	1958.0	1976.0
22.5°	1996.0	1994.0	2002.0	2006.0	2008.0	2014.0	2006.0	2004.0	1994.0	1988.0	1994.0
25°	2040.0	2038.0	2048.0	2054.0	2064.0	2070.1	2070.1	2070.1	2062.0	2052.0	2046.0
27.5°	2108.0	2108.0	2118.0	2124.0	2132.0	2144.0	2150.1	2150.1	2152.0	2138.0	2128.0
30°	2222.0	2224.0	2226.0	2234.0	2242.0	2246.0	2254.0	2260.0	2266.0	2258.0	2242.0
32.5°	2358.0	2346.0	2346.0	2358.0	2368.0	2380.0	2384.0	2392.0	2404.0	2398.0	2396.0
35°	2520.0	2516.0	2512.0	2516.0	2528.0	2542.0	2558.0	2572.0	2564.0	2576.0	2569.9
37.5°	2760.0	2764.0	2766.0	2766.0	2764.0	2768.0	2776.0	2790.1	2786.0	2790.1	2798.0
40°	3156.0	3142.0	3128.0	3129.9	3110.1	3114.0	3082.0	3096.0	3098.0	3084.0	3089.9
42.5°	3552.0	3560.0	3566.0	3582.0	3568.0	3560.0	3529.9	3529.9	3514.0	3500.0	3496.0
45°	3980.0	3996.0	3998.0	4030.1	4018.0	4044.0	4066.0	4060.0	4034.0	4032.0	4004.0
47.5°	4322.0	4348.0	4376.0	4414.0	4444.0	4502.0	4569.9	4604.0	4624.0	4640.0	4608.0
50°	4578.0	4589.9	4662.0	4722.0	4788.0	4884.0	4978.0	5100.0	5198.0	5244.0	5288.0
52.5°	4716.0	4746.0	4824.0	4918.0	5034.0	5178.0	5329.9	5524.0	5692.0	5804.0	5904.0
55°	4746.0	4776.0	4864.0	4984.0	5142.0	5336.0	5554.0	5818.0	6070.1	6286.0	6496.0
57.5°	4662.0	4696.0	4789.9	4928.0	5114.0	5350.1	5624.0	5969.9	6318.0	6668.0	6978.0
60°	4508.0	4550.1	4636.0	4772.0	4978.0	5244.0	5572.0	6006.0	6494.0	7030.1	7624.0
62.5°	4254.0	4298.0	4378.0	4528.0	4740.0	5034.0	5414.0	5954.0	6644.0	7488.0	8542.0
65°	3846.0	3866.0	3964.0	4116.0	4304.0	4628.0	5046.0	5698.0	6596.0	7769.9	9222.0
66°	3662.0	3696.0	3756.0	3878.0	4058.0	4362.0	4782.0	5444.0	6414.0	7672.0	9204.0
67.5°	3374.0	3400.0	3440.0	3522.0	3632.0	3856.0	4254.0	4880.0	5858.0	7176.0	8822.0
70°	2728.0	2740.0	2794.0	2822.0	2860.0	2934.0	3078.0	3438.0	4200.0	5438.0	7120.0
72.5°	1860.0	1894.0	1952.0	2032.0	2136.0	2236.0	2304.0	2350.1	2514.0	3244.0	4744.0
75°	1364.0	1400.0	1474.0	1580.0	1762.0	1969.9	2186.0	2286.0	2218.0	2124.0	2642.0
77.5°	792.0	840.0	902.0	1004.0	1172.0	1448.0	1818.0	2146.0	2368.0	2382.0	2262.0
80°	334.0	340.0	378.0	430.1	534.0	728.0	1016.0	1488.0	1980.0	2312.0	2390.1
82.5°	76.0	94.0	120.0	142.0	174.0	240.0	356.0	592.0	1070.1	1678.0	2188.0
85°	28.0	28.0	38.0	56.0	64.0	72.0	94.0	150.1	256.0	472.0	984.0
87.5°	0.0	2.0	4.0	4.0	8.0	9.9	16.0	22.0	20.0	18.0	60.0
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2000.0	1998.0	1994.0	1994.0	1994.0	1994.0	1990.1	1992.0	1988.0	1990.1	1990.1
5°	1998.0	1998.0	1996.0	1992.0	1994.0	1994.0	1996.0	1992.0	1992.0	1994.0	1992.0
7.5°	1998.0	1996.0	1996.0	1996.0	1998.0	1996.0	1998.0	1998.0	1998.0	2000.0	2000.0
10°	1998.0	1998.0	2002.0	2004.0	2004.0	2006.0	2012.0	2012.0	2014.0	2016.0	2020.0
12.5°	2000.0	2008.0	2014.0	2020.0	2022.0	2026.0	2036.0	2036.0	2040.0	2046.0	2048.0
15°	2002.0	2014.0	2026.0	2030.1	2034.0	2042.0	2052.0	2056.0	2062.0	2068.0	2072.0
17.5°	2000.0	2016.0	2030.1	2036.0	2042.0	2052.0	2064.0	2068.0	2076.0	2084.0	2092.0
20°	1998.0	2020.0	2042.0	2049.9	2058.0	2072.0	2088.0	2098.0	2106.0	2118.0	2126.0
22.5°	2009.9	2036.0	2066.0	2078.0	2092.0	2110.1	2132.0	2144.0	2154.0	2166.0	2172.0
25°	2048.0	2068.0	2104.0	2124.0	2142.0	2172.0	2202.0	2216.0	2228.0	2238.0	2240.0
27.5°	2112.0	2118.0	2162.0	2188.0	2214.0	2262.0	2298.0	2308.0	2329.9	2338.0	2336.0
30°	2216.0	2206.0	2242.0	2282.0	2320.0	2386.0	2430.1	2456.0	2476.0	2476.0	2460.0
32.5°	2366.0	2350.1	2360.0	2406.0	2449.9	2546.0	2598.0	2632.0	2646.0	2642.0	2608.0
35°	2562.0	2552.0	2546.0	2582.0	2652.0	2764.0	2832.0	2849.9	2872.0	2868.0	2824.0
37.5°	2794.0	2786.0	2786.0	2828.0	2896.0	3062.0	3136.0	3148.0	3146.0	3114.0	3032.0
40°	3068.0	3064.0	3046.0	3069.9	3128.0	3344.0	3444.0	3460.0	3438.0	3386.0	3289.9
42.5°	3462.0	3438.0	3382.0	3396.0	3440.0	3649.9	3780.0	3824.0	3802.0	3750.1	3594.0
45°	3976.0	3950.1	3856.0	3844.0	3868.0	4052.0	4220.0	4230.1	4226.0	4160.0	3976.0
47.5°	4580.0	4540.0	4440.0	4408.0	4400.0	4569.9	4732.0	4748.0	4738.0	4640.0	4394.0
50°	5234.0	5176.0	5110.1	5088.0	5056.0	5178.0	5342.0	5344.0	5304.0	5168.0	4938.0
52.5°	5932.0	5912.0	5900.0	5878.0	5864.0	5969.9	6070.1	6009.9	5950.1	5808.0	5608.0
55°	6636.0	6718.0	6802.0	6809.9	6834.0	6948.0	6946.0	6782.0	6738.0	6660.0	6462.0
57.5°	7384.0	7688.0	7952.0	8034.0	8114.0	8326.0	8306.0	8144.0	8088.0	7992.0	7828.0
60°	8402.0	9222.0	9984.0	10166.0	10292.0	10546.0	10522.0	10272.0	10388.0	10380.0	10168.0
62.5°	9828.0	11192.0	12334.0	12614.0	12702.0	12729.9	12578.0	12308.0	12422.0	12550.1	11898.0
65°	10794.0	12398.0	13569.9	13786.0	13798.0	13464.0	13126.0	12808.0	12780.0	12670.1	11738.0
66°	10816.0	12458.0	13634.0	13844.0	13769.9	13314.0	12886.0	12566.0	12428.0	12186.0	11220.0
67.5°	10428.0	12084.0	13350.1	13572.0	13409.9	12764.0	12174.0	11762.0	11492.0	11100.0	10248.0
70°	8758.0	10400.0	11960.0	12374.0	12426.0	11462.0	10644.0	10160.0	9796.0	9258.0	8524.0
72.5°	6512.0	7996.0	9372.0	9768.0	9969.9	9200.0	8510.1	8142.0	7644.0	7078.0	6556.0
75°	4082.0	5129.9	6052.0	6329.9	6140.0	5544.0	5129.9	4976.0	4486.0	4148.0	3910.1
77.5°	2334.0	2662.0	2736.0	2630.1	2406.0	1842.0	1309.9	969.9	842.0	932.0	1028.0
80°	2278.0	2088.0	1664.0	1464.0	1326.0	912.0	536.0	368.0	306.0	314.0	340.0
82.5°	2468.0	2648.0	2180.0	1778.0	1492.0	1008.0	556.0	296.0	200.0	236.0	266.0
85°	1604.0	2232.0	2009.9	1694.0	1372.0	862.0	458.0	154.0	102.0	134.0	184.0
87.5°	162.0	178.0	152.0	206.0	154.0	72.0	36.0	22.0	20.0	24.0	36.0
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1992.0	1992.0	1994.0	1996.0	1998.0	2000.0	2000.0	2000.0	2000.0	2004.0	2002.0
5°	1996.0	2000.0	2004.0	2006.0	2009.9	2009.9	2016.0	2014.0	2014.0	2020.0	2022.0
7.5°	2004.0	2009.9	2018.0	2016.0	2024.0	2022.0	2026.0	2026.0	2020.0	2022.0	2018.0
10°	2022.0	2030.1	2034.0	2028.0	2030.1	2022.0	2020.0	2009.9	1998.0	1992.0	1984.0
12.5°	2052.0	2060.0	2060.0	2049.9	2038.0	2020.0	2006.0	1984.0	1966.0	1956.0	1946.0
15°	2078.0	2086.0	2084.0	2068.0	2049.9	2022.0	2002.0	1976.0	1950.1	1934.0	1924.0
17.5°	2098.0	2102.0	2096.0	2074.0	2054.0	2028.0	2008.0	1980.0	1950.1	1929.9	1912.0
20°	2128.0	2124.0	2110.1	2082.0	2060.0	2036.0	2020.0	1996.0	1962.0	1936.0	1910.1
22.5°	2172.0	2156.0	2129.9	2100.0	2078.0	2056.0	2040.0	2014.0	1980.0	1948.0	1918.0
25°	2230.1	2198.0	2162.0	2129.9	2110.1	2086.0	2068.0	2040.0	2004.0	1968.0	1932.0
27.5°	2314.0	2258.0	2212.0	2184.0	2162.0	2132.0	2110.1	2074.0	2036.0	1994.0	1954.0
30°	2408.0	2332.0	2288.0	2266.0	2242.0	2209.9	2176.0	2129.9	2086.0	2040.0	1992.0
32.5°	2529.9	2438.0	2396.0	2374.0	2342.0	2302.0	2262.0	2209.9	2148.0	2088.0	2030.1
35°	2689.9	2596.0	2552.0	2518.0	2474.0	2422.0	2364.0	2294.0	2209.9	2129.9	2056.0
37.5°	2862.0	2760.0	2718.0	2682.0	2616.0	2548.0	2466.0	2364.0	2249.9	2144.0	2052.0
40°	3080.0	2986.0	2932.0	2869.9	2792.0	2674.0	2546.0	2398.0	2252.0	2122.0	2014.0
42.5°	3356.0	3262.0	3182.0	3084.0	2948.0	2766.0	2584.0	2392.0	2216.0	2068.0	1952.0
45°	3722.0	3608.0	3470.1	3298.0	3078.0	2824.0	2586.0	2354.0	2148.0	1984.0	1860.0
47.5°	4169.9	3996.0	3769.9	3480.0	3164.0	2840.0	2554.0	2278.0	2042.0	1864.0	1726.0
50°	4702.0	4428.0	4056.0	3630.1	3208.0	2816.0	2474.0	2164.0	1892.0	1702.0	1538.0
52.5°	5310.1	4862.0	4314.0	3738.0	3206.0	2736.0	2338.0	1992.0	1696.0	1484.0	1328.0
55°	6024.0	5358.0	4580.0	3818.0	3150.1	2588.0	2129.9	1750.1	1454.0	1258.0	1114.0
57.5°	7070.1	6162.0	5044.0	3942.0	3038.0	2360.0	1848.0	1460.0	1200.0	1014.0	892.0
60°	8982.0	7504.0	5880.0	4192.0	2866.0	2026.0	1518.0	1150.1	932.0	782.0	700.0
62.5°	10422.0	8542.0	6332.0	4136.0	2520.0	1614.0	1126.0	838.0	686.0	584.0	532.0
65°	10216.0	8220.0	5849.9	3562.0	1976.0	1138.0	748.0	569.9	472.0	424.0	394.0
66°	9750.1	7800.0	5432.0	3206.0	1708.0	946.0	616.0	478.0	406.0	372.0	352.0
67.5°	8866.0	7020.0	4684.0	2628.0	1312.0	686.0	464.0	378.0	329.9	316.0	302.0
70°	7369.9	5598.0	3288.0	1529.9	670.1	382.0	294.0	264.0	252.0	249.9	246.0
72.5°	5648.0	3962.0	1936.0	724.0	348.0	254.0	228.0	218.0	214.0	214.0	216.0
75°	3462.0	2226.0	856.0	354.0	244.0	214.0	202.0	198.0	196.0	198.0	196.0
77.5°	1156.0	708.0	366.0	268.0	222.0	198.0	190.1	186.0	186.0	186.0	186.0
80°	354.0	308.0	280.0	248.0	209.9	188.0	176.0	174.0	176.0	178.0	172.0
82.5°	266.0	252.0	236.0	220.0	190.1	168.0	164.0	164.0	164.0	158.0	150.1
85°	196.0	194.0	160.0	150.1	140.0	140.0	140.0	140.0	134.0	124.0	116.0
87.5°	36.0	34.0	36.0	38.0	56.0	60.0	60.0	64.0	70.1	66.0	66.0
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):

	160°	165°	170°	175°	180°
0°	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2002.0	2000.0	2006.0	2002.0	2004.0
5°	2020.0	2018.0	2022.0	2018.0	2024.0
7.5°	2014.0	2009.9	2008.0	2009.9	2012.0
10°	1972.0	1968.0	1966.0	1964.0	1966.0
12.5°	1936.0	1928.0	1928.0	1924.0	1926.0
15°	1910.1	1904.0	1902.0	1898.0	1900.0
17.5°	1898.0	1888.0	1884.0	1880.0	1880.0
20°	1889.9	1878.0	1872.0	1868.0	1866.0
22.5°	1889.9	1872.0	1864.0	1860.0	1858.0
25°	1898.0	1876.0	1864.0	1858.0	1856.0
27.5°	1914.0	1886.0	1872.0	1864.0	1864.0
30°	1942.0	1906.0	1886.0	1876.0	1874.0
32.5°	1969.9	1922.0	1894.0	1882.0	1878.0
35°	1984.0	1922.0	1888.0	1868.0	1864.0
37.5°	1968.0	1896.0	1854.0	1824.0	1818.0
40°	1918.0	1842.0	1796.0	1768.0	1764.0
42.5°	1852.0	1778.0	1724.0	1704.0	1698.0
45°	1762.0	1674.0	1620.0	1592.0	1594.0
47.5°	1608.0	1518.0	1470.1	1444.0	1448.0
50°	1426.0	1338.0	1296.0	1268.0	1274.0
52.5°	1226.0	1146.0	1106.0	1092.0	1088.0
55°	1016.0	954.0	926.0	910.1	904.0
57.5°	824.0	780.0	760.0	740.0	742.0
60°	649.9	628.0	622.0	600.0	598.0
62.5°	512.0	498.0	492.0	476.0	478.0
65°	388.0	384.0	388.0	378.0	382.0
66°	350.1	352.0	352.0	346.0	350.1
67.5°	302.0	306.0	312.0	306.0	310.1
70°	249.9	254.0	258.0	258.0	258.0
72.5°	218.0	222.0	224.0	224.0	224.0
75°	200.0	202.0	204.0	200.0	200.0
77.5°	188.0	188.0	184.0	182.0	180.0
80°	169.9	168.0	162.0	158.0	158.0
82.5°	142.0	138.0	134.0	128.0	128.0
85°	108.0	104.0	100.0	92.0	88.0
87.5°	56.0	58.0	56.0	46.0	40.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)