

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: P156499

Luminaire Tested: **VXS-E06-LED-E1-T4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P156499
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
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-T4-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16561.1 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - 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



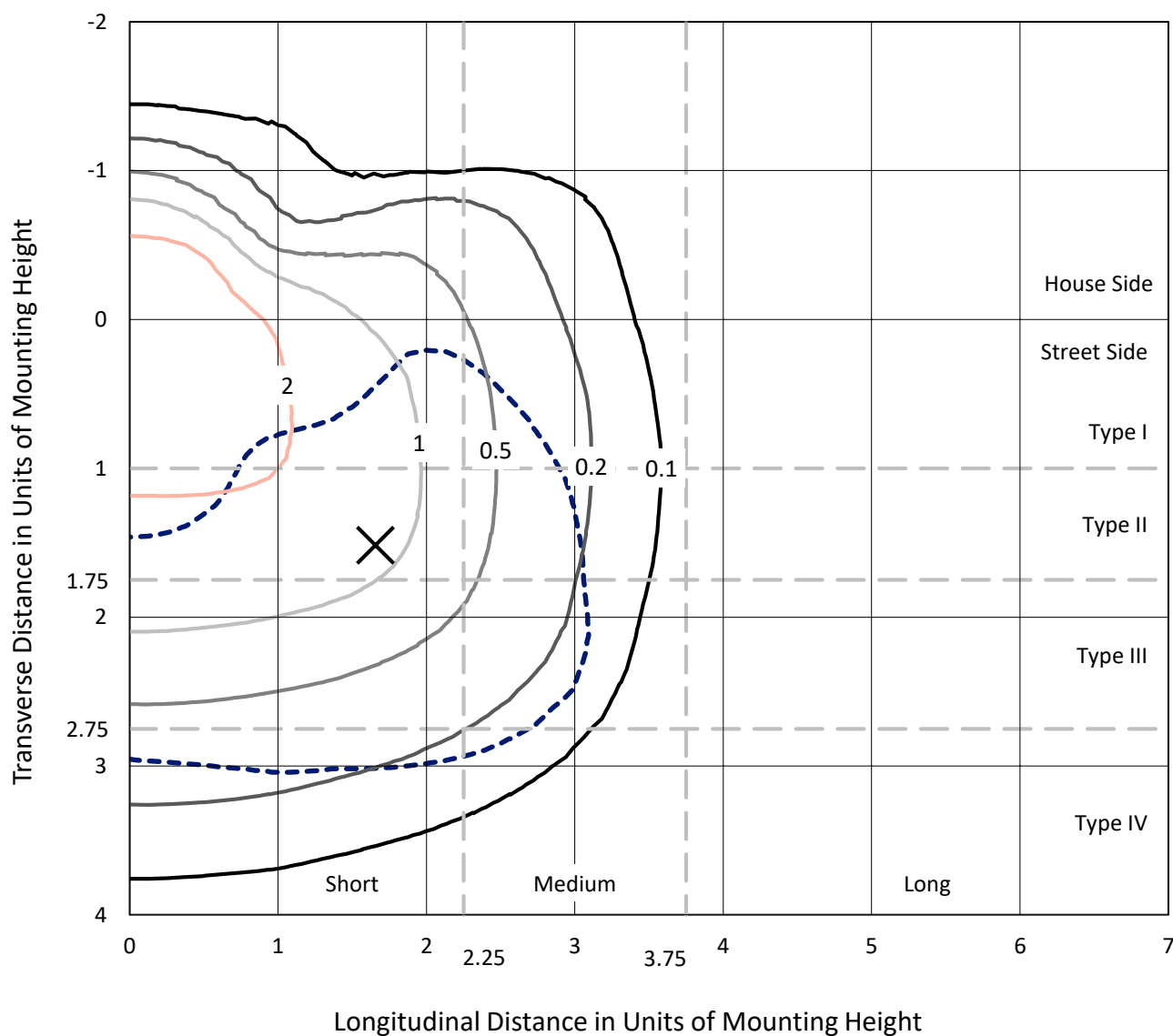
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

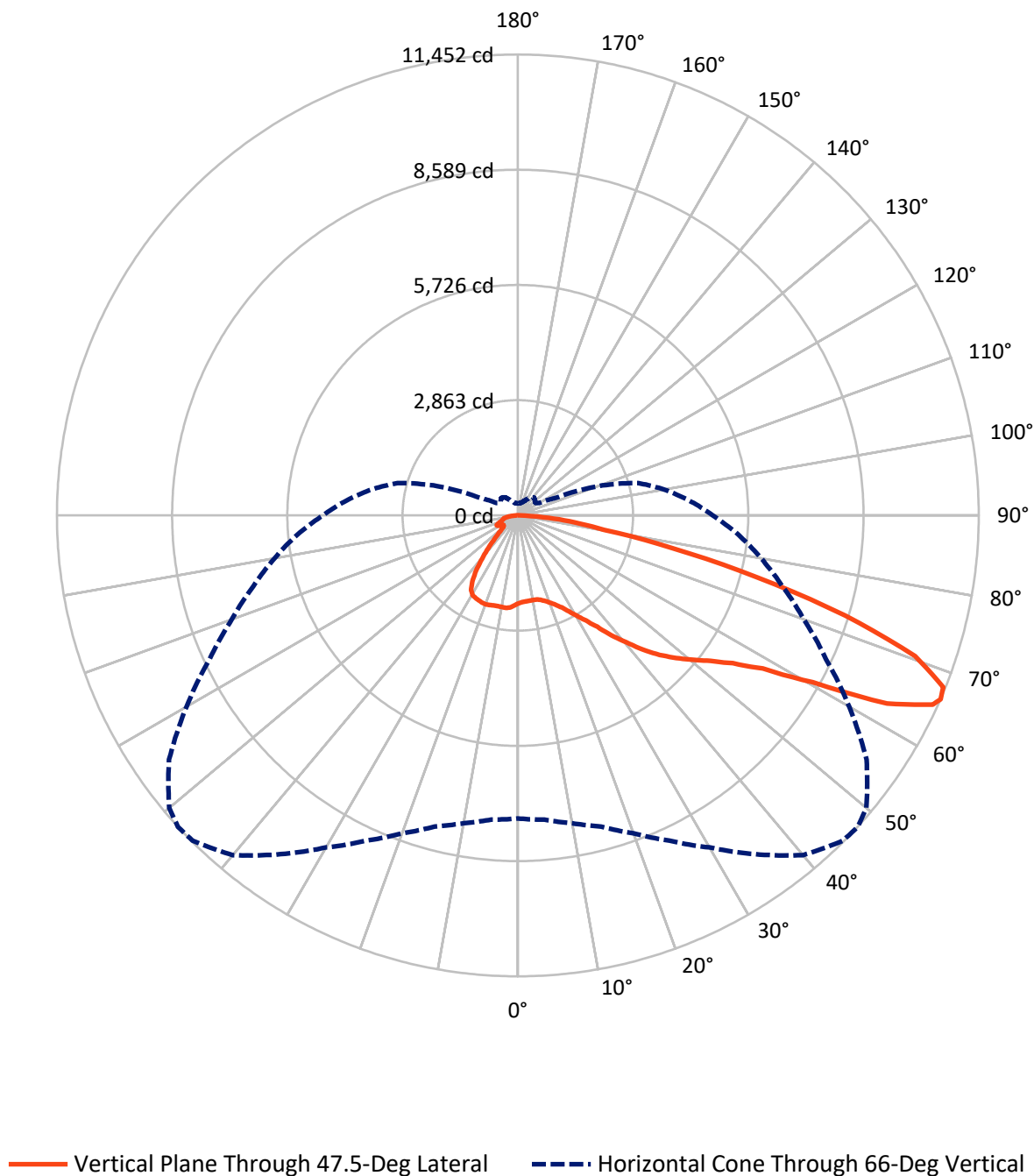


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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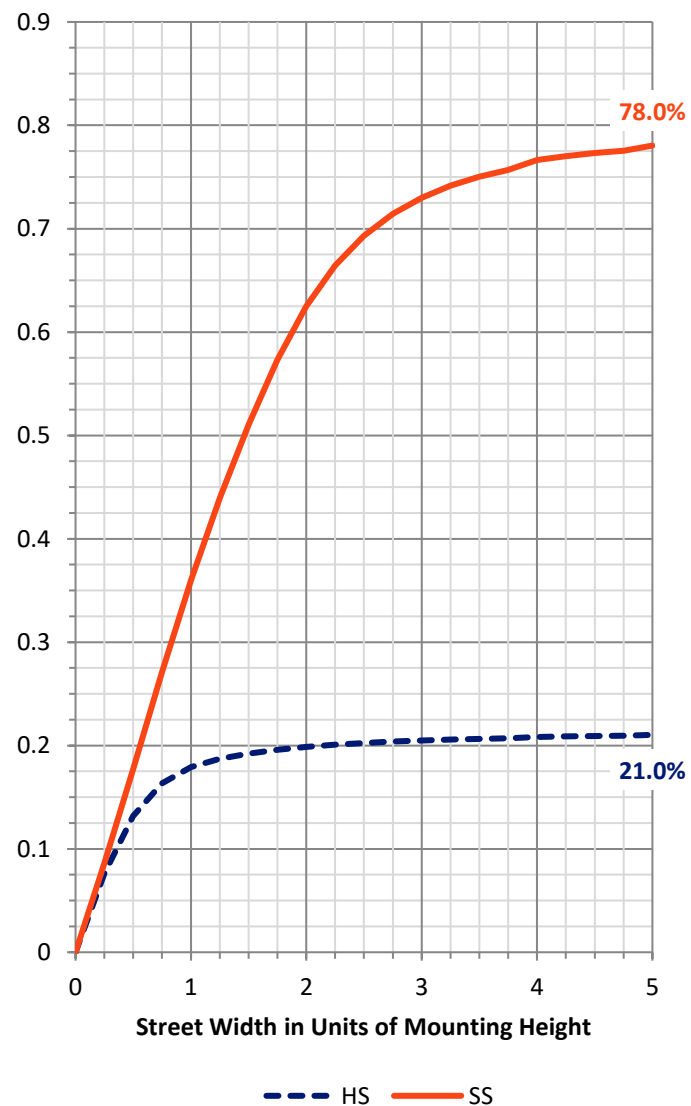
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3533.7	0.0	3533.7
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	13027.4	0.0	13027.4
	% Fixture	78.7	0.0	78.7
Total	Lumens	16561.1	0.0	16561.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	1.3
10°-20°	643.6	3.9
20°-30°	1108.5	6.7
30°-40°	1677.1	10.1
40°-50°	2173.8	13.1
50°-60°	2997.0	18.1
60°-70°	4656.3	28.1
70°-80°	2707.7	16.3
80°-90°	385.0	2.3
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°	16561.1	100.0
0°-180°	16561.1	100.0

Coefficient of Utilization



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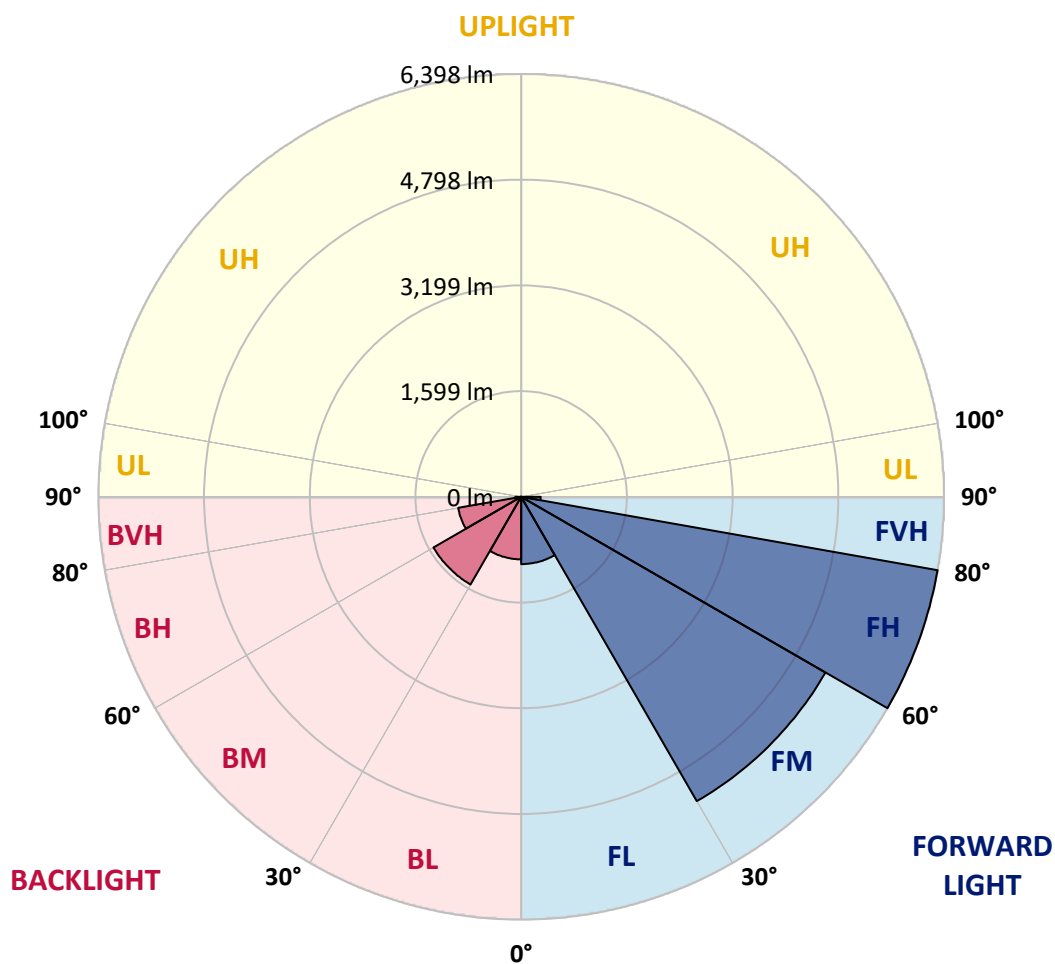
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1018.2	6.1			
FM	(30°-60°)	5316.1	32.1			
FH	(60°-80°)	6397.6	38.6			G3/7500
FVH	(80°-90°)	295.5	1.8			G3/500
BL	(0°-30°)	945.9	5.7	B2/1000		
BM	(30°-60°)	1531.8	9.2	B2/2500		
BH	(60°-80°)	966.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	89.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9
2.5°	2142.7	2150.1	2144.6	2146.4	2146.4	2148.2	2148.2	2150.1	2148.2	2153.7	2157.3
5°	2104.4	2108.0	2106.2	2109.8	2113.5	2120.8	2119.0	2128.1	2129.9	2135.4	2144.6
7.5°	2089.7	2086.1	2087.9	2093.4	2097.1	2100.7	2104.4	2111.7	2117.1	2129.9	2137.2
10°	2104.4	2102.5	2104.4	2108.0	2108.0	2109.8	2106.2	2113.5	2117.1	2128.1	2135.4
12.5°	2164.7	2164.7	2161.0	2161.0	2157.3	2153.7	2144.6	2139.1	2137.2	2139.1	2142.7
15°	2261.5	2257.8	2250.5	2245.0	2237.7	2224.9	2212.1	2201.1	2193.9	2182.9	2179.3
17.5°	2356.5	2351.0	2343.6	2336.4	2327.3	2314.4	2294.3	2281.6	2261.5	2248.7	2241.3
20°	2466.0	2455.1	2445.9	2436.8	2418.5	2414.9	2394.8	2372.8	2349.1	2319.9	2316.3
22.5°	2608.5	2590.3	2579.3	2573.8	2555.5	2550.1	2517.2	2486.1	2456.9	2418.5	2409.4
25°	2752.8	2734.6	2729.1	2721.8	2709.0	2701.7	2670.7	2636.0	2597.6	2544.6	2533.7
27.5°	2893.5	2895.3	2880.7	2886.2	2882.5	2869.7	2838.7	2803.9	2774.7	2712.6	2699.9
30°	3068.8	3057.9	3050.6	3061.6	3048.8	3050.6	3023.2	3005.0	2957.4	2920.9	2895.3
32.5°	3251.5	3249.7	3260.6	3268.0	3266.1	3262.5	3240.5	3222.3	3180.3	3127.4	3116.4
35°	3501.8	3512.7	3521.9	3554.7	3554.7	3578.5	3556.6	3534.7	3485.4	3421.5	3399.5
37.5°	3671.7	3675.3	3711.8	3755.6	3810.5	3861.7	3876.3	3881.8	3861.7	3814.2	3781.2
40°	3826.9	3834.2	3892.7	3960.3	4040.6	4141.1	4201.5	4228.8	4234.3	4212.3	4141.1
42.5°	3982.2	3993.2	4053.5	4152.1	4263.5	4391.4	4497.3	4565.0	4603.3	4603.3	4561.2
45°	4163.0	4177.6	4243.4	4351.2	4480.9	4641.7	4787.8	4917.5	4979.6	4983.2	4943.0
47.5°	4376.8	4389.5	4466.3	4575.9	4709.2	4871.8	5056.3	5204.2	5319.4	5326.6	5293.8
50°	4652.6	4670.9	4734.8	4833.5	4970.5	5134.8	5319.4	5525.8	5646.3	5675.5	5640.8
52.5°	5017.9	5021.6	5074.6	5165.9	5299.3	5456.4	5651.8	5876.5	6035.4	6059.2	6002.5
55°	5522.1	5516.7	5551.3	5649.9	5750.5	5872.8	6075.6	6327.7	6504.9	6541.5	6483.0
57.5°	6207.2	6201.7	6230.9	6254.6	6442.8	6561.6	6760.6	7001.8	7173.5	7279.4	7179.0
60°	7268.4	7263.0	7310.5	7449.3	7589.9	7763.5	7957.1	8245.7	8486.8	8517.9	8419.3
62.5°	8037.5	8064.9	8169.0	8331.6	8616.6	8956.3	9310.7	9690.7	10185.7	10342.8	10295.3
65°	7768.9	7823.7	7968.1	8214.7	8594.6	9064.0	9619.4	10308.1	10971.2	11342.0	11331.0
66°	7527.9	7588.1	7765.3	8002.8	8404.7	8917.9	9524.5	10275.2	11016.8	11426.0	11451.6
67.5°	7089.4	7157.0	7330.6	7611.8	8002.8	8548.9	9201.1	10017.6	10856.1	11332.8	11400.4
70°	6236.4	6313.1	6439.2	6671.1	7056.6	7544.2	8231.1	8961.8	9840.4	10386.6	10468.8
72.5°	5213.4	5281.0	5421.7	5611.6	5927.7	6234.5	6773.4	7312.3	7940.6	8563.5	8503.3
75°	3742.9	3772.1	3856.2	4062.6	4232.4	4508.3	4941.2	5383.3	5812.5	6097.5	6137.7
77.5°	1945.4	2022.2	2140.9	2369.2	2553.7	2802.2	3083.4	3416.0	3730.2	3991.3	3920.1
80°	1273.2	1306.1	1412.0	1528.9	1664.1	1823.0	2011.2	2135.4	2175.6	2159.2	2175.6
82.5°	734.3	794.6	935.2	1024.8	1125.3	1180.0	1329.8	1472.3	1552.7	1452.2	1415.6
85°	93.2	120.5	380.0	478.5	548.0	630.3	675.9	761.8	710.6	635.6	774.5
87.5°	20.1	18.2	25.6	54.8	56.6	47.5	89.5	95.0	58.4	29.2	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9
2.5°	2161.0	2162.8	2166.4	2171.9	2175.6	2179.3	2182.9	2188.4	2192.0	2195.6	2203.0
5°	2151.8	2159.2	2166.4	2173.8	2182.9	2197.5	2206.6	2214.0	2221.2	2235.9	2241.3
7.5°	2146.4	2159.2	2170.2	2182.9	2197.5	2210.3	2226.7	2235.9	2246.8	2256.0	2266.9
10°	2142.7	2161.0	2171.9	2190.3	2206.6	2219.5	2237.7	2248.7	2261.5	2272.4	2277.9
12.5°	2150.1	2159.2	2170.2	2188.4	2208.5	2226.7	2246.8	2256.0	2266.9	2276.1	2277.9
15°	2181.0	2181.0	2182.9	2197.5	2217.6	2232.2	2248.7	2257.8	2263.3	2268.8	2268.8
17.5°	2237.7	2224.9	2215.8	2217.6	2230.4	2239.6	2248.7	2248.7	2245.0	2243.2	2239.6
20°	2303.4	2287.0	2268.8	2256.0	2252.3	2245.0	2239.6	2221.2	2206.6	2193.9	2184.8
22.5°	2398.4	2372.8	2347.4	2323.5	2301.7	2274.2	2243.2	2206.6	2171.9	2148.2	2133.6
25°	2515.3	2495.2	2464.2	2427.7	2400.3	2349.1	2308.9	2256.0	2212.1	2181.0	2155.5
27.5°	2681.6	2657.8	2628.6	2595.8	2555.5	2499.0	2449.6	2387.5	2334.5	2288.8	2256.0
30°	2888.0	2857.0	2835.0	2794.8	2767.5	2703.5	2654.2	2577.5	2475.1	2402.1	2356.5
32.5°	3099.9	3065.2	3046.9	3015.9	2984.9	2946.4	2871.6	2752.8	2621.3	2502.6	2424.0
35°	3383.0	3346.5	3313.7	3286.2	3240.5	3169.3	3103.5	2961.0	2780.2	2614.0	2482.5
37.5°	3739.3	3679.0	3596.8	3527.4	3446.9	3344.7	3244.2	3098.1	2891.7	2676.2	2500.7
40°	4119.2	4013.3	3896.4	3766.6	3627.9	3479.9	3364.8	3216.8	2984.9	2729.1	2488.0
42.5°	4515.6	4347.6	4185.0	4002.3	3808.7	3633.3	3483.5	3320.9	3054.2	2743.7	2436.8
45°	4908.4	4720.2	4473.6	4234.3	3989.5	3772.1	3604.0	3421.5	3118.1	2749.2	2369.2
47.5°	5233.5	5039.9	4758.5	4459.0	4168.5	3922.0	3724.7	3527.4	3204.0	2787.6	2352.7
50°	5576.9	5341.2	5028.9	4674.5	4345.7	4069.8	3859.8	3655.2	3324.6	2886.2	2405.8
52.5°	5951.4	5681.0	5315.6	4919.3	4559.5	4250.8	4022.4	3812.3	3478.0	3025.0	2506.2
55°	6408.1	6077.4	5681.0	5233.5	4848.1	4506.4	4254.4	4005.9	3660.7	3189.4	2632.2
57.5°	7105.9	6700.3	6254.6	5745.0	5317.5	4913.8	4612.4	4325.6	3943.8	3434.2	2803.9
60°	8368.1	7935.2	7356.2	6738.7	6236.4	5765.1	5323.0	4966.8	4497.3	3916.5	3183.9
62.5°	10176.6	9601.1	8828.4	7964.5	7306.8	6627.3	6128.6	5598.9	5016.2	4389.5	3631.5
65°	11181.2	10483.4	9449.5	8446.6	7600.9	6862.9	6229.0	5615.2	4968.6	4369.4	3735.6
66°	11305.5	10578.4	9504.4	8448.5	7560.7	6802.6	6135.9	5500.2	4839.0	4267.2	3691.8
67.5°	11254.3	10510.9	9403.8	8289.5	7387.2	6572.4	5883.8	5224.4	4565.0	4031.5	3545.6
70°	10415.9	9710.8	8623.8	7544.2	6687.6	5883.8	5226.2	4577.7	3973.1	3516.4	3158.3
72.5°	8649.4	8046.6	7102.2	6254.6	5582.4	4919.3	4362.2	3742.9	3231.4	2893.5	2681.6
75°	6243.6	5878.3	5017.9	4532.0	3942.0	3501.8	2961.0	2593.9	2226.7	2062.4	2025.8
77.5°	3943.8	3452.4	2906.3	2393.0	1967.4	1631.3	1269.5	1077.7	898.8	880.5	1063.1
80°	1996.6	1797.5	1384.7	1103.3	928.0	750.8	593.7	449.3	314.2	378.1	453.1
82.5°	1307.9	1090.6	854.9	703.3	611.9	507.8	394.6	274.0	200.9	226.5	310.6
85°	706.9	602.8	485.9	383.6	310.6	277.6	186.3	131.5	129.7	138.9	177.2
87.5°	51.2	51.2	40.2	36.6	43.8	36.6	32.8	32.8	31.1	32.8	43.8
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°	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9
2.5°	2206.6	2212.1	2214.0	2223.1	2228.6	2232.2	2235.9	2235.9	2237.7	2243.2	2245.0
5°	2248.7	2257.8	2268.8	2276.1	2279.7	2290.7	2294.3	2294.3	2298.0	2305.3	2310.8
7.5°	2274.2	2287.0	2298.0	2301.7	2308.9	2312.6	2318.1	2321.8	2321.8	2329.0	2332.7
10°	2283.4	2290.7	2301.7	2301.7	2308.9	2308.9	2314.4	2316.3	2316.3	2323.5	2329.0
12.5°	2283.4	2287.0	2296.2	2296.2	2301.7	2303.4	2310.8	2316.3	2318.1	2327.3	2334.5
15°	2272.4	2276.1	2283.4	2285.2	2298.0	2305.3	2321.8	2332.7	2332.7	2341.9	2345.5
17.5°	2241.3	2250.5	2265.1	2279.7	2303.4	2319.9	2340.0	2349.1	2341.9	2336.4	2330.9
20°	2190.3	2206.6	2241.3	2277.9	2319.9	2341.9	2352.7	2343.6	2318.1	2292.5	2276.1
22.5°	2139.1	2171.9	2230.4	2285.2	2332.7	2347.4	2341.9	2308.9	2266.9	2235.9	2214.0
25°	2162.8	2201.1	2257.8	2307.2	2338.1	2334.5	2312.6	2266.9	2221.2	2181.0	2144.6
27.5°	2261.5	2303.4	2334.5	2351.0	2347.4	2321.8	2287.0	2235.9	2181.0	2128.1	2077.0
30°	2354.6	2376.6	2383.8	2371.1	2341.9	2299.8	2256.0	2197.5	2124.5	2058.7	2000.2
32.5°	2396.6	2374.7	2340.0	2305.3	2257.8	2221.2	2161.0	2097.1	2005.7	1927.2	1868.7
35°	2396.6	2308.9	2221.2	2148.2	2077.0	2031.3	1961.9	1876.1	1792.0	1726.2	1680.5
37.5°	2343.6	2175.6	2031.3	1912.5	1823.0	1773.7	1669.6	1592.8	1521.7	1499.7	1470.5
40°	2246.8	1998.4	1790.2	1634.9	1521.7	1448.6	1344.5	1291.5	1264.0	1253.2	1247.7
42.5°	2117.1	1801.1	1523.4	1331.7	1209.3	1127.0	1057.6	1024.8	1022.9	1021.1	1021.1
45°	1978.3	1589.2	1264.0	1035.8	928.0	854.9	822.0	809.2	820.2	818.3	820.2
47.5°	1892.4	1428.5	1026.6	783.6	701.5	654.0	637.5	643.0	652.1	648.5	648.5
50°	1881.5	1346.3	867.7	610.2	548.0	524.2	520.6	520.6	526.1	522.5	520.6
52.5°	1921.7	1333.5	785.5	524.2	474.9	454.8	451.2	449.3	447.6	436.6	427.5
55°	1991.1	1362.7	761.8	502.4	451.2	429.3	423.8	420.1	412.8	398.2	381.8
57.5°	2129.9	1454.1	783.6	513.3	458.5	440.2	434.7	434.7	420.1	396.4	372.6
60°	2464.2	1686.0	873.2	555.3	493.2	474.9	478.5	476.8	454.8	420.1	383.6
62.5°	2895.3	1989.3	990.1	613.8	537.1	533.4	551.7	548.0	511.5	458.5	405.5
65°	3094.4	2131.7	1022.9	626.5	546.2	562.6	599.2	595.5	549.8	476.8	409.2
66°	3098.1	2131.7	1008.3	615.6	533.4	553.5	590.1	588.2	542.5	469.4	401.9
67.5°	3023.2	2073.3	966.3	593.7	507.8	522.5	555.3	553.5	511.5	451.2	387.3
70°	2741.9	1856.0	858.5	555.3	473.2	465.8	476.8	469.4	442.1	400.0	356.2
72.5°	2349.1	1558.1	748.9	526.1	449.3	420.1	412.8	407.4	385.4	361.7	334.3
75°	1850.5	1233.1	657.6	504.1	427.5	389.1	376.3	369.0	354.4	337.9	316.1
77.5°	1141.7	882.3	573.6	474.9	411.0	372.6	363.5	352.5	330.7	310.6	294.1
80°	509.6	546.2	471.3	414.6	367.2	332.4	317.8	301.5	279.5	266.7	257.6
82.5°	339.8	352.5	341.6	310.6	277.6	250.3	228.3	228.3	224.7	213.7	210.1
85°	217.4	219.2	211.9	191.8	179.1	162.6	153.5	155.2	162.6	160.7	159.0
87.5°	49.3	49.3	58.4	54.8	63.9	67.6	73.1	78.5	89.5	89.5	95.0
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°	2182.9	2182.9	2182.9	2182.9	2182.9
2.5°	2246.8	2250.5	2254.2	2248.7	2250.5
5°	2310.8	2308.9	2318.1	2312.6	2316.3
7.5°	2330.9	2332.7	2340.0	2340.0	2341.9
10°	2332.7	2336.4	2345.5	2351.0	2354.6
12.5°	2341.9	2349.1	2363.7	2367.4	2367.4
15°	2349.1	2352.7	2362.0	2365.6	2369.2
17.5°	2323.5	2316.3	2319.9	2321.8	2319.9
20°	2259.6	2252.3	2250.5	2243.2	2246.8
22.5°	2190.3	2170.2	2157.3	2142.7	2142.7
25°	2106.2	2075.1	2049.5	2023.9	2029.4
27.5°	2027.7	1987.5	1961.9	1945.4	1941.8
30°	1950.9	1908.9	1885.2	1865.1	1865.1
32.5°	1823.0	1793.8	1762.8	1749.9	1748.2
35°	1645.9	1627.6	1602.0	1596.6	1587.4
37.5°	1446.7	1441.2	1419.4	1417.5	1408.4
40°	1238.5	1242.2	1234.8	1231.2	1225.7
42.5°	1030.3	1048.5	1044.9	1043.0	1039.4
45°	831.2	843.9	845.8	851.2	860.4
47.5°	654.0	657.6	661.2	659.5	661.2
50°	511.5	502.4	500.5	495.0	500.5
52.5°	412.8	398.2	390.9	383.6	380.0
55°	363.5	348.9	341.6	337.9	334.3
57.5°	350.8	336.1	325.2	317.8	316.1
60°	354.4	332.4	317.8	308.7	306.8
62.5°	363.5	334.3	314.2	305.1	303.2
65°	361.7	330.7	312.3	301.5	299.6
66°	356.2	326.9	308.7	299.6	297.7
67.5°	347.0	321.5	305.1	297.7	294.1
70°	330.7	314.2	301.5	292.2	288.6
72.5°	316.1	303.2	292.2	283.1	281.3
75°	299.6	288.6	277.6	270.4	268.5
77.5°	279.5	268.5	261.2	255.8	253.9
80°	246.6	239.3	232.0	224.7	224.7
82.5°	204.6	199.1	191.8	186.3	184.5
85°	157.1	157.1	151.6	146.1	144.4
87.5°	93.2	91.3	91.3	85.9	85.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)