

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: P156500

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P156500
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
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18132.2 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - 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



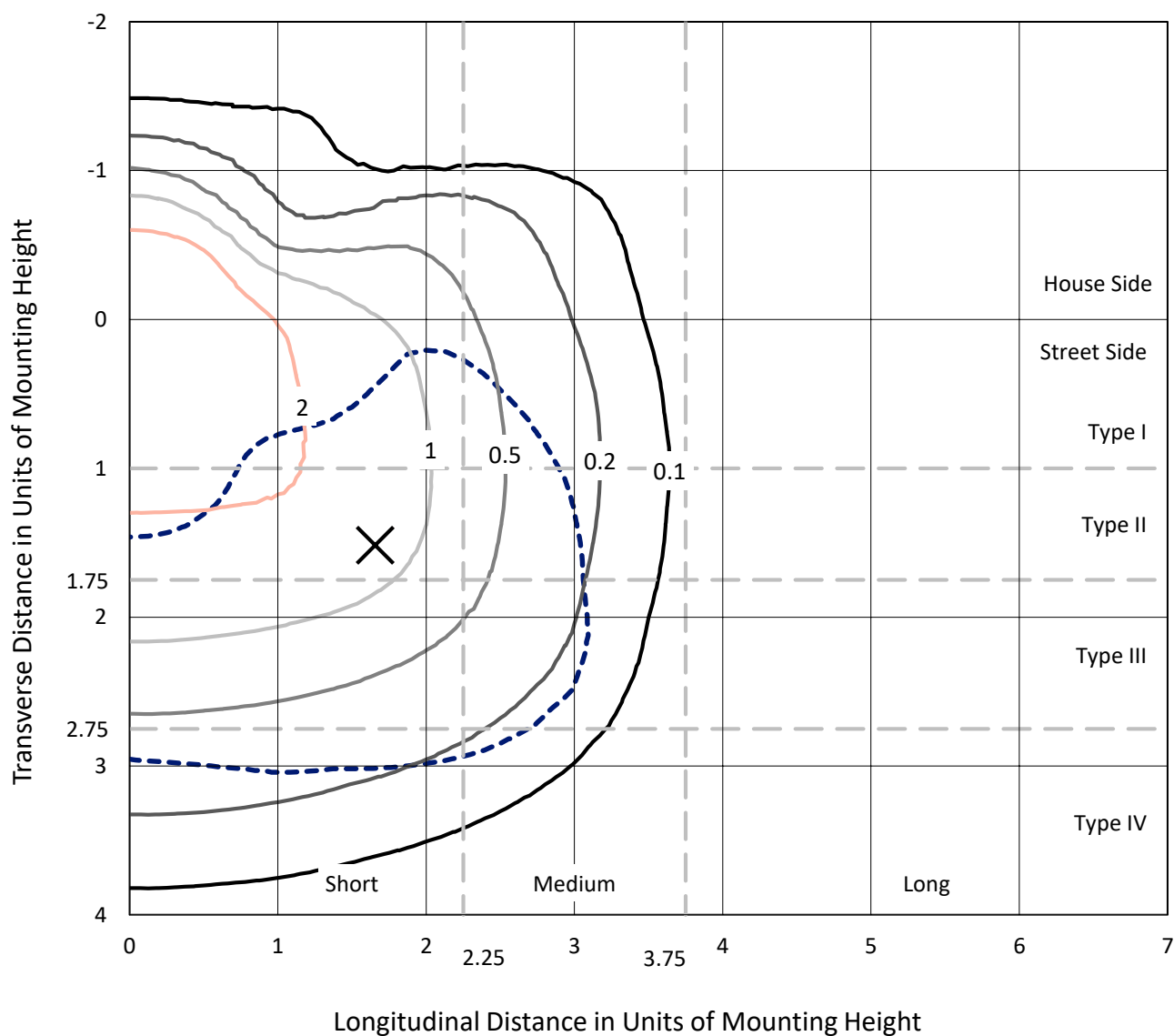
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

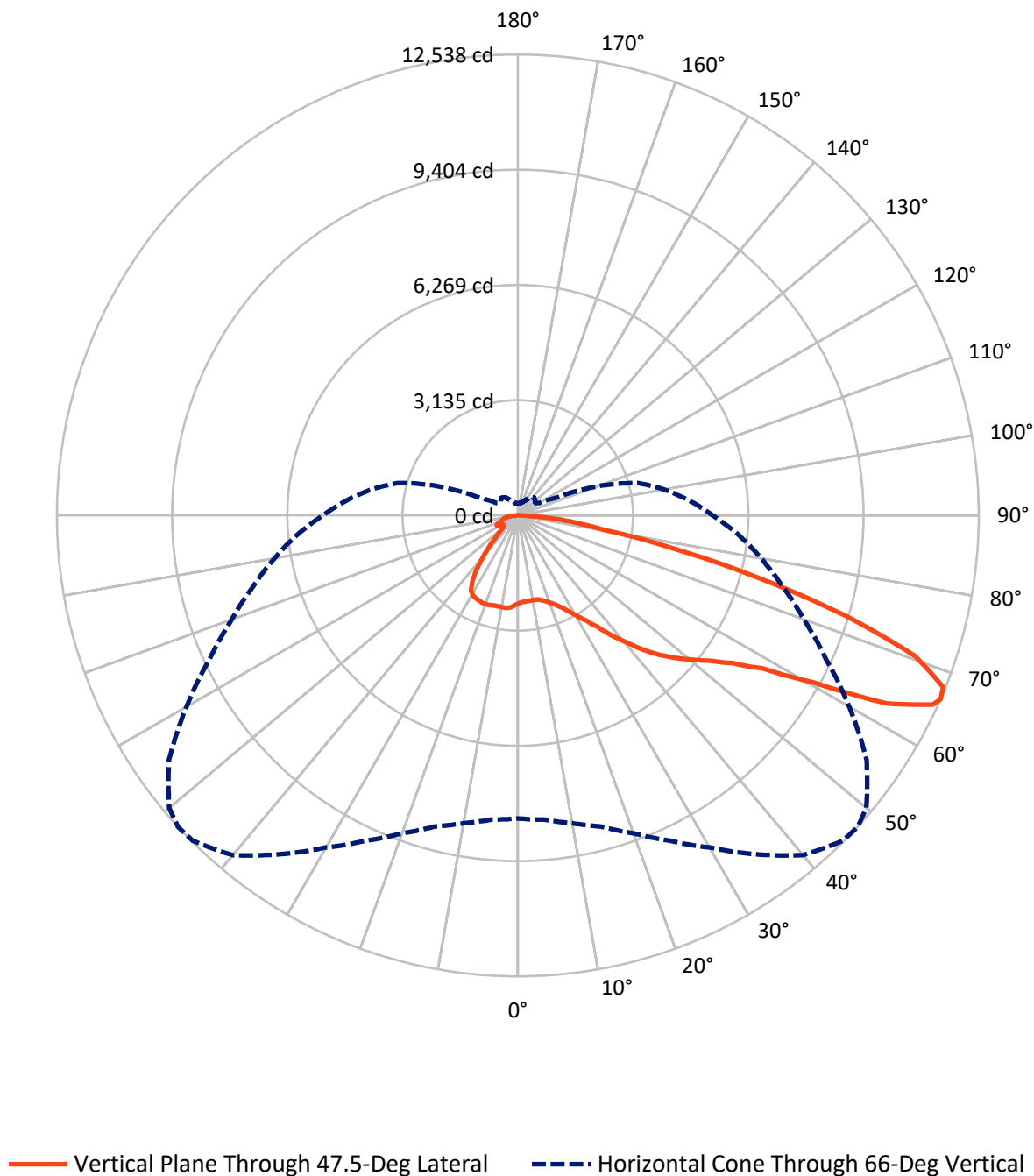


Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3869.0	0.0	3869.0
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	14263.3	0.0	14263.3
	% Fixture	78.7	0.0	78.7
Total	Lumens	18132.2	0.0	18132.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.1	1.3
10°-20°	704.6	3.9
20°-30°	1213.7	6.7
30°-40°	1836.3	10.1
40°-50°	2380.0	13.1
50°-60°	3281.3	18.1
60°-70°	5098.1	28.1
70°-80°	2964.6	16.3
80°-90°	421.6	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°	18132.2	100.0
0°-180°	18132.2	100.0

Coefficient of Utilization



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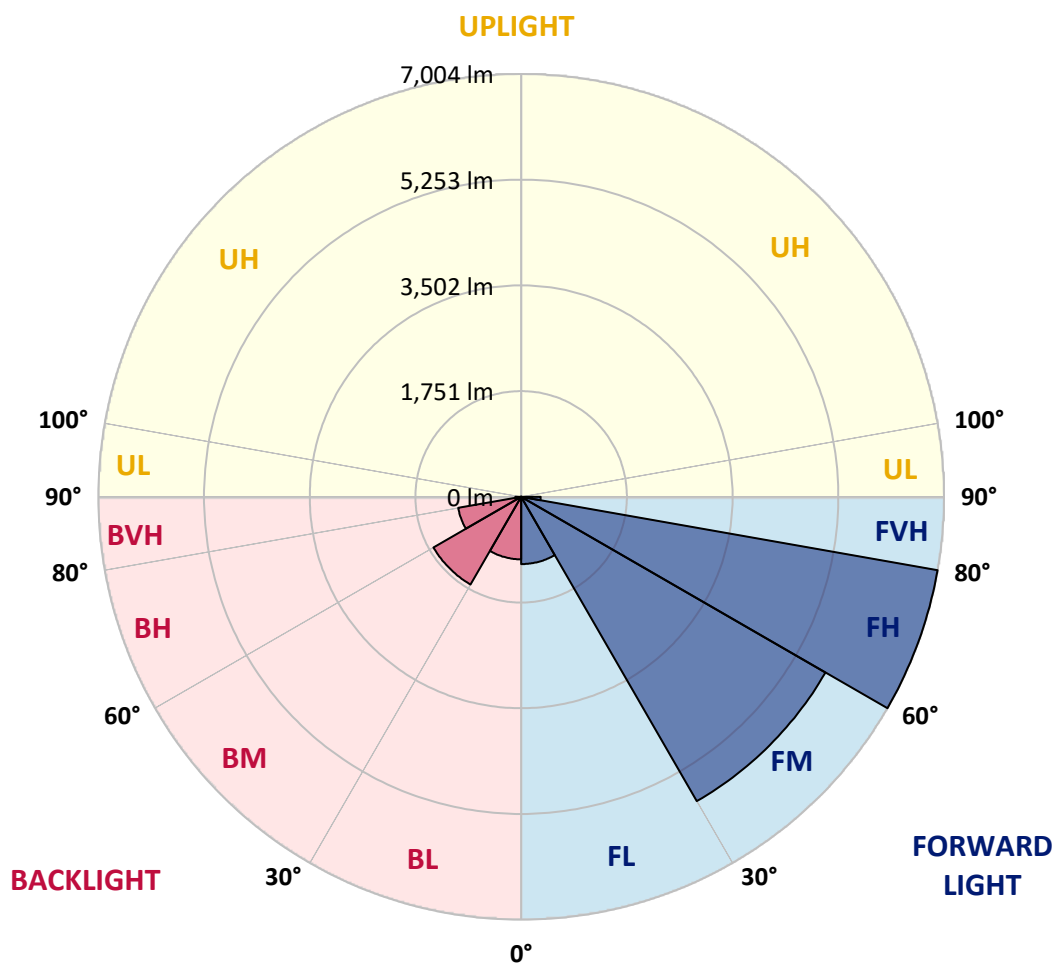
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1114.8	6.1			
FM	(30°-60°)	5820.4	32.1			
FH	(60°-80°)	7004.5	38.6			G3/7500
FVH	(80°-90°)	323.5	1.8			G3/500
BL	(0°-30°)	1035.6	5.7	B3/2500		
BM	(30°-60°)	1677.2	9.2	B2/2500		
BH	(60°-80°)	1058.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	98.0	0.5			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1
2.5°	2346.0	2354.0	2348.0	2350.1	2350.1	2352.0	2352.0	2354.0	2352.0	2358.0	2362.0
5°	2304.0	2308.0	2306.0	2310.1	2314.0	2322.0	2320.0	2329.9	2332.0	2338.0	2348.0
7.5°	2288.0	2284.0	2286.0	2292.0	2296.0	2300.0	2304.0	2312.0	2318.0	2332.0	2340.0
10°	2304.0	2302.0	2304.0	2308.0	2308.0	2310.1	2306.0	2314.0	2318.0	2329.9	2338.0
12.5°	2369.9	2369.9	2366.0	2366.0	2362.0	2358.0	2348.0	2342.0	2340.0	2342.0	2346.0
15°	2476.0	2472.0	2464.0	2458.0	2449.9	2436.0	2422.0	2409.9	2402.0	2390.1	2386.0
17.5°	2580.0	2574.0	2566.0	2558.0	2548.0	2534.0	2512.0	2498.0	2476.0	2462.0	2454.0
20°	2700.0	2688.0	2678.0	2668.0	2648.0	2644.0	2622.0	2598.0	2572.0	2540.0	2536.0
22.5°	2856.0	2836.0	2824.0	2818.0	2798.0	2792.0	2756.0	2722.0	2689.9	2648.0	2638.0
25°	3014.0	2994.0	2988.0	2980.0	2966.0	2958.0	2924.0	2886.0	2844.0	2786.0	2774.0
27.5°	3168.0	3169.9	3154.0	3160.0	3156.0	3142.0	3108.0	3069.9	3038.0	2969.9	2956.0
30°	3360.0	3348.0	3340.0	3352.0	3338.0	3340.0	3310.1	3289.9	3238.0	3198.0	3169.9
32.5°	3560.0	3558.0	3569.9	3578.0	3576.0	3572.0	3548.0	3528.0	3482.0	3424.0	3412.0
35°	3834.0	3846.0	3856.0	3892.0	3892.0	3918.0	3894.0	3870.1	3816.0	3746.0	3722.0
37.5°	4020.0	4024.0	4064.0	4112.0	4172.0	4228.0	4244.0	4249.9	4228.0	4176.0	4140.0
40°	4190.1	4198.0	4262.0	4336.0	4424.0	4534.0	4600.0	4630.1	4636.0	4612.0	4534.0
42.5°	4360.0	4372.0	4438.0	4546.0	4668.0	4808.0	4924.0	4998.0	5040.0	5040.0	4994.0
45°	4558.0	4574.0	4646.0	4764.0	4906.0	5082.0	5242.0	5384.0	5452.0	5456.0	5412.0
47.5°	4792.0	4806.0	4889.9	5009.9	5156.0	5334.0	5536.0	5698.0	5824.0	5832.0	5796.0
50°	5094.0	5114.0	5184.0	5292.0	5442.0	5622.0	5824.0	6049.9	6182.0	6214.0	6176.0
52.5°	5494.0	5498.0	5556.0	5656.0	5802.0	5974.0	6188.0	6434.0	6608.0	6634.0	6572.0
55°	6046.0	6040.0	6078.0	6186.0	6296.0	6430.1	6652.0	6928.0	7122.0	7162.0	7098.0
57.5°	6796.0	6789.9	6822.0	6848.0	7054.0	7184.0	7402.0	7666.0	7854.0	7969.9	7860.0
60°	7958.0	7952.0	8004.0	8156.0	8310.1	8500.0	8712.0	9028.0	9292.0	9326.0	9218.0
62.5°	8800.0	8829.9	8944.0	9122.0	9434.0	9806.0	10194.0	10609.9	11152.0	11324.0	11272.0
65°	8506.0	8566.0	8724.0	8994.0	9409.9	9924.0	10532.0	11286.0	12012.0	12418.0	12406.0
66°	8242.0	8308.0	8502.0	8762.0	9202.0	9764.0	10428.0	11249.9	12062.0	12510.1	12538.0
67.5°	7762.0	7836.0	8026.0	8334.0	8762.0	9360.0	10074.0	10968.0	11886.0	12408.0	12482.0
70°	6828.0	6912.0	7049.9	7304.0	7726.0	8260.0	9012.0	9812.0	10774.0	11372.0	11462.0
72.5°	5708.0	5782.0	5936.0	6144.0	6489.9	6826.0	7416.0	8006.0	8694.0	9376.0	9310.1
75°	4098.0	4129.9	4222.0	4448.0	4634.0	4936.0	5409.9	5894.0	6364.0	6676.0	6720.0
77.5°	2129.9	2214.0	2344.0	2594.0	2796.0	3068.0	3376.0	3740.0	4084.0	4369.9	4292.0
80°	1394.0	1430.1	1546.0	1674.0	1822.0	1996.0	2202.0	2338.0	2382.0	2364.0	2382.0
82.5°	804.0	870.1	1024.0	1122.0	1232.0	1292.0	1456.0	1612.0	1700.0	1590.1	1550.1
85°	102.0	132.0	416.0	524.0	600.0	689.9	740.0	834.0	778.0	696.0	848.0
87.5°	22.0	20.0	28.0	60.0	62.0	52.0	98.0	104.0	64.0	32.0	40.0
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1
2.5°	2366.0	2368.0	2372.0	2378.0	2382.0	2386.0	2390.1	2396.0	2400.0	2404.0	2412.0
5°	2356.0	2364.0	2372.0	2380.0	2390.1	2406.0	2416.0	2424.0	2432.0	2448.0	2454.0
7.5°	2350.1	2364.0	2376.0	2390.1	2406.0	2420.0	2438.0	2448.0	2460.0	2469.9	2482.0
10°	2346.0	2366.0	2378.0	2398.0	2416.0	2430.1	2449.9	2462.0	2476.0	2488.0	2494.0
12.5°	2354.0	2364.0	2376.0	2396.0	2418.0	2438.0	2460.0	2469.9	2482.0	2492.0	2494.0
15°	2388.0	2388.0	2390.1	2406.0	2428.0	2444.0	2462.0	2472.0	2478.0	2484.0	2484.0
17.5°	2449.9	2436.0	2426.0	2428.0	2442.0	2452.0	2462.0	2462.0	2458.0	2456.0	2452.0
20°	2522.0	2504.0	2484.0	2469.9	2466.0	2458.0	2452.0	2432.0	2416.0	2402.0	2392.0
22.5°	2626.0	2598.0	2569.9	2544.0	2520.0	2489.9	2456.0	2416.0	2378.0	2352.0	2336.0
25°	2754.0	2732.0	2698.0	2658.0	2628.0	2572.0	2528.0	2469.9	2422.0	2388.0	2360.0
27.5°	2936.0	2910.1	2878.0	2842.0	2798.0	2736.0	2682.0	2614.0	2556.0	2506.0	2469.9
30°	3162.0	3128.0	3104.0	3060.0	3030.1	2960.0	2906.0	2822.0	2710.1	2630.1	2580.0
32.5°	3394.0	3356.0	3336.0	3302.0	3268.0	3226.0	3144.0	3014.0	2869.9	2740.0	2654.0
35°	3704.0	3664.0	3628.0	3598.0	3548.0	3470.1	3398.0	3242.0	3044.0	2862.0	2718.0
37.5°	4094.0	4028.0	3938.0	3862.0	3774.0	3662.0	3552.0	3392.0	3166.0	2929.9	2738.0
40°	4510.1	4394.0	4266.0	4124.0	3972.0	3809.9	3684.0	3522.0	3268.0	2988.0	2724.0
42.5°	4944.0	4760.0	4582.0	4382.0	4169.9	3978.0	3814.0	3636.0	3344.0	3004.0	2668.0
45°	5374.0	5168.0	4898.0	4636.0	4368.0	4129.9	3946.0	3746.0	3414.0	3009.9	2594.0
47.5°	5729.9	5518.0	5209.9	4882.0	4564.0	4294.0	4078.0	3862.0	3508.0	3052.0	2576.0
50°	6106.0	5848.0	5506.0	5118.0	4758.0	4456.0	4226.0	4002.0	3640.0	3160.0	2634.0
52.5°	6516.0	6220.0	5820.0	5386.0	4992.0	4654.0	4404.0	4174.0	3808.0	3312.0	2744.0
55°	7016.0	6654.0	6220.0	5729.9	5308.0	4934.0	4658.0	4386.0	4008.0	3492.0	2882.0
57.5°	7780.0	7336.0	6848.0	6289.9	5822.0	5380.0	5049.9	4736.0	4318.0	3760.0	3069.9
60°	9162.0	8688.0	8054.0	7378.0	6828.0	6312.0	5828.0	5438.0	4924.0	4288.0	3486.0
62.5°	11142.0	10512.0	9666.0	8720.0	8000.0	7256.0	6710.1	6129.9	5492.0	4806.0	3976.0
65°	12242.0	11478.0	10346.0	9248.0	8322.0	7514.0	6820.0	6148.0	5440.0	4784.0	4089.9
66°	12378.0	11582.0	10406.0	9249.9	8278.0	7448.0	6718.0	6022.0	5298.0	4672.0	4042.0
67.5°	12322.0	11508.0	10296.0	9076.0	8088.0	7196.0	6442.0	5720.0	4998.0	4414.0	3882.0
70°	11404.0	10632.0	9442.0	8260.0	7322.0	6442.0	5722.0	5012.0	4350.1	3849.9	3458.0
72.5°	9470.1	8809.9	7776.0	6848.0	6112.0	5386.0	4776.0	4098.0	3538.0	3168.0	2936.0
75°	6836.0	6436.0	5494.0	4962.0	4316.0	3834.0	3242.0	2840.0	2438.0	2258.0	2218.0
77.5°	4318.0	3780.0	3182.0	2620.0	2154.0	1786.0	1390.1	1180.0	984.0	964.0	1164.0
80°	2186.0	1968.0	1516.0	1208.0	1016.0	822.0	649.9	492.0	344.0	414.0	496.0
82.5°	1432.0	1194.0	936.0	769.9	670.1	556.0	432.0	300.0	220.0	248.0	340.0
85°	774.0	660.0	532.0	420.0	340.0	304.0	204.0	144.0	142.0	152.0	194.0
87.5°	56.0	56.0	44.0	40.0	48.0	40.0	36.0	36.0	34.0	36.0	48.0
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°	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1	2390.1
2.5°	2416.0	2422.0	2424.0	2434.0	2440.0	2444.0	2448.0	2448.0	2449.9	2456.0	2458.0
5°	2462.0	2472.0	2484.0	2492.0	2496.0	2508.0	2512.0	2512.0	2516.0	2524.0	2529.9
7.5°	2489.9	2504.0	2516.0	2520.0	2528.0	2532.0	2538.0	2542.0	2542.0	2550.1	2554.0
10°	2500.0	2508.0	2520.0	2520.0	2528.0	2528.0	2534.0	2536.0	2536.0	2544.0	2550.1
12.5°	2500.0	2504.0	2514.0	2514.0	2520.0	2522.0	2529.9	2536.0	2538.0	2548.0	2556.0
15°	2488.0	2492.0	2500.0	2502.0	2516.0	2524.0	2542.0	2554.0	2554.0	2564.0	2568.0
17.5°	2454.0	2464.0	2480.0	2496.0	2522.0	2540.0	2562.0	2572.0	2564.0	2558.0	2552.0
20°	2398.0	2416.0	2454.0	2494.0	2540.0	2564.0	2576.0	2566.0	2538.0	2510.1	2492.0
22.5°	2342.0	2378.0	2442.0	2502.0	2554.0	2569.9	2564.0	2528.0	2482.0	2448.0	2424.0
25°	2368.0	2409.9	2472.0	2526.0	2560.0	2556.0	2532.0	2482.0	2432.0	2388.0	2348.0
27.5°	2476.0	2522.0	2556.0	2574.0	2569.9	2542.0	2504.0	2448.0	2388.0	2329.9	2274.0
30°	2578.0	2602.0	2609.9	2596.0	2564.0	2518.0	2469.9	2406.0	2326.0	2254.0	2190.1
32.5°	2624.0	2600.0	2562.0	2524.0	2472.0	2432.0	2366.0	2296.0	2196.0	2110.1	2046.0
35°	2624.0	2528.0	2432.0	2352.0	2274.0	2224.0	2148.0	2054.0	1962.0	1889.9	1840.0
37.5°	2566.0	2382.0	2224.0	2094.0	1996.0	1942.0	1828.0	1744.0	1666.0	1642.0	1609.9
40°	2460.0	2188.0	1960.0	1790.1	1666.0	1586.0	1472.0	1414.0	1384.0	1372.0	1366.0
42.5°	2318.0	1972.0	1668.0	1458.0	1324.0	1234.0	1158.0	1122.0	1120.0	1118.0	1118.0
45°	2166.0	1740.0	1384.0	1134.0	1016.0	936.0	900.0	886.0	898.0	896.0	898.0
47.5°	2072.0	1564.0	1124.0	858.0	768.0	716.0	698.0	704.0	714.0	710.1	710.1
50°	2060.0	1474.0	950.1	668.0	600.0	574.0	569.9	569.9	576.0	572.0	569.9
52.5°	2104.0	1460.0	860.0	574.0	520.0	498.0	494.0	492.0	489.9	478.0	468.0
55°	2180.0	1492.0	834.0	550.1	494.0	470.1	464.0	460.0	452.0	436.0	418.0
57.5°	2332.0	1592.0	858.0	562.0	502.0	482.0	476.0	476.0	460.0	434.0	408.0
60°	2698.0	1846.0	956.0	608.0	540.0	520.0	524.0	522.0	498.0	460.0	420.0
62.5°	3169.9	2178.0	1084.0	672.0	588.0	584.0	604.0	600.0	560.0	502.0	444.0
65°	3388.0	2334.0	1120.0	686.0	598.0	616.0	656.0	652.0	602.0	522.0	448.0
66°	3392.0	2334.0	1104.0	674.0	584.0	606.0	646.0	644.0	594.0	514.0	440.0
67.5°	3310.1	2269.9	1058.0	649.9	556.0	572.0	608.0	606.0	560.0	494.0	424.0
70°	3002.0	2032.0	940.0	608.0	518.0	510.1	522.0	514.0	484.0	438.0	389.9
72.5°	2572.0	1706.0	820.0	576.0	492.0	460.0	452.0	446.0	422.0	396.0	366.0
75°	2026.0	1350.1	720.0	552.0	468.0	426.0	412.0	404.0	388.0	369.9	346.0
77.5°	1249.9	966.0	628.0	520.0	449.9	408.0	398.0	386.0	362.0	340.0	322.0
80°	558.0	598.0	516.0	454.0	402.0	364.0	348.0	329.9	306.0	292.0	282.0
82.5°	372.0	386.0	374.0	340.0	304.0	274.0	249.9	249.9	246.0	234.0	230.1
85°	238.0	240.0	232.0	209.9	196.0	178.0	168.0	169.9	178.0	176.0	174.0
87.5°	54.0	54.0	64.0	60.0	70.1	74.0	80.0	86.0	98.0	98.0	104.0
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°	2390.1	2390.1	2390.1	2390.1	2390.1
2.5°	2460.0	2464.0	2468.0	2462.0	2464.0
5°	2529.9	2528.0	2538.0	2532.0	2536.0
7.5°	2552.0	2554.0	2562.0	2562.0	2564.0
10°	2554.0	2558.0	2568.0	2574.0	2578.0
12.5°	2564.0	2572.0	2588.0	2592.0	2592.0
15°	2572.0	2576.0	2586.0	2590.1	2594.0
17.5°	2544.0	2536.0	2540.0	2542.0	2540.0
20°	2474.0	2466.0	2464.0	2456.0	2460.0
22.5°	2398.0	2376.0	2362.0	2346.0	2346.0
25°	2306.0	2272.0	2244.0	2216.0	2222.0
27.5°	2220.0	2176.0	2148.0	2129.9	2126.0
30°	2136.0	2089.9	2064.0	2042.0	2042.0
32.5°	1996.0	1964.0	1929.9	1916.0	1914.0
35°	1802.0	1782.0	1754.0	1748.0	1738.0
37.5°	1584.0	1578.0	1554.0	1552.0	1542.0
40°	1356.0	1360.0	1352.0	1348.0	1342.0
42.5°	1128.0	1148.0	1144.0	1142.0	1138.0
45°	910.1	924.0	926.0	932.0	942.0
47.5°	716.0	720.0	724.0	722.0	724.0
50°	560.0	550.1	548.0	542.0	548.0
52.5°	452.0	436.0	428.0	420.0	416.0
55°	398.0	382.0	374.0	369.9	366.0
57.5°	384.0	368.0	356.0	348.0	346.0
60°	388.0	364.0	348.0	338.0	336.0
62.5°	398.0	366.0	344.0	334.0	332.0
65°	396.0	362.0	342.0	329.9	328.0
66°	389.9	358.0	338.0	328.0	326.0
67.5°	380.0	352.0	334.0	326.0	322.0
70°	362.0	344.0	329.9	320.0	316.0
72.5°	346.0	332.0	320.0	310.1	308.0
75°	328.0	316.0	304.0	296.0	294.0
77.5°	306.0	294.0	286.0	280.0	278.0
80°	270.1	262.0	254.0	246.0	246.0
82.5°	224.0	218.0	209.9	204.0	202.0
85°	172.0	172.0	166.0	160.0	158.0
87.5°	102.0	100.0	100.0	94.0	94.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)