

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: P181469

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181469
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: ICM-E06-LED-E1-T3
Description: ICON SITE MEDIUM 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: 17212.7 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

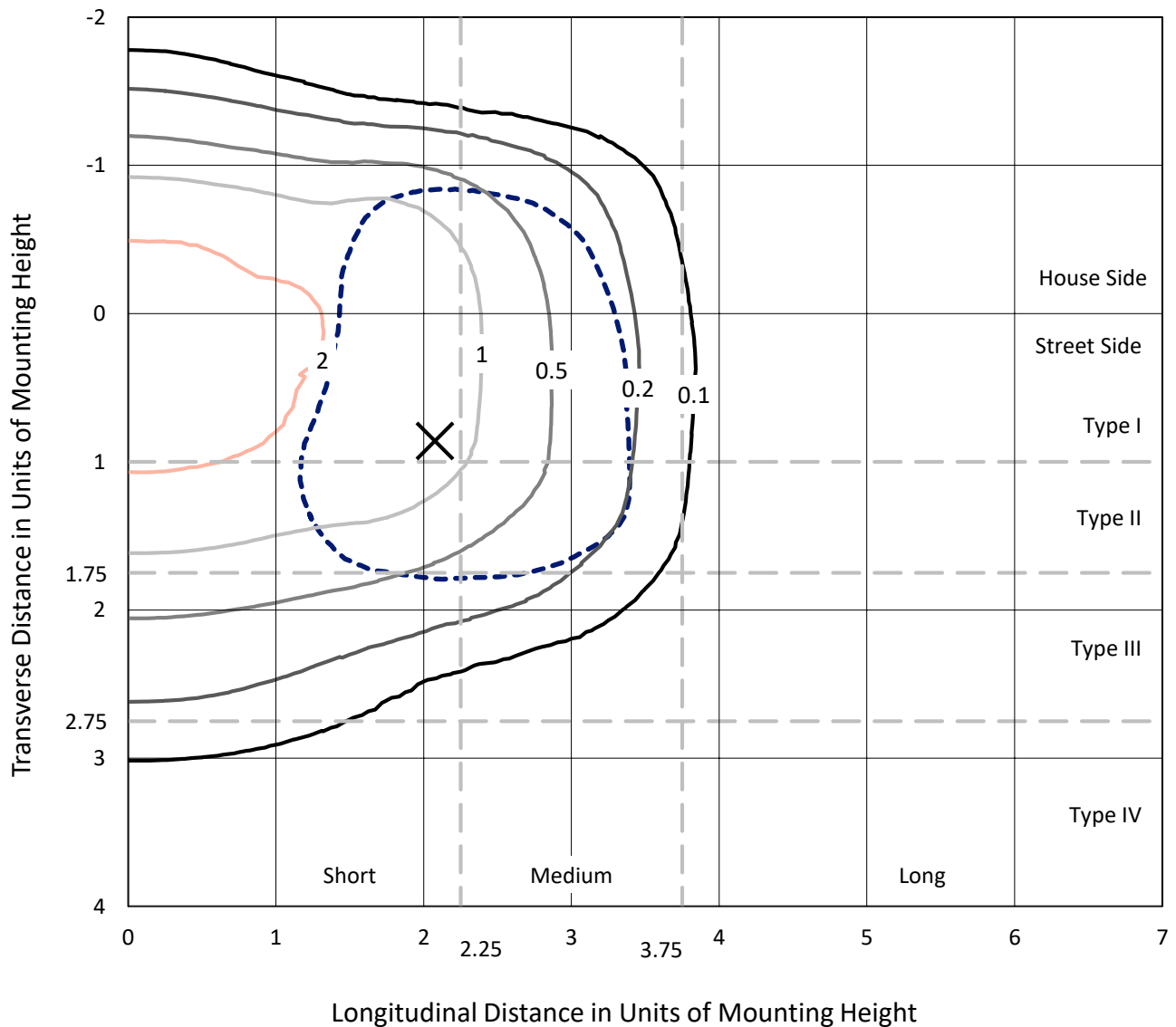
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

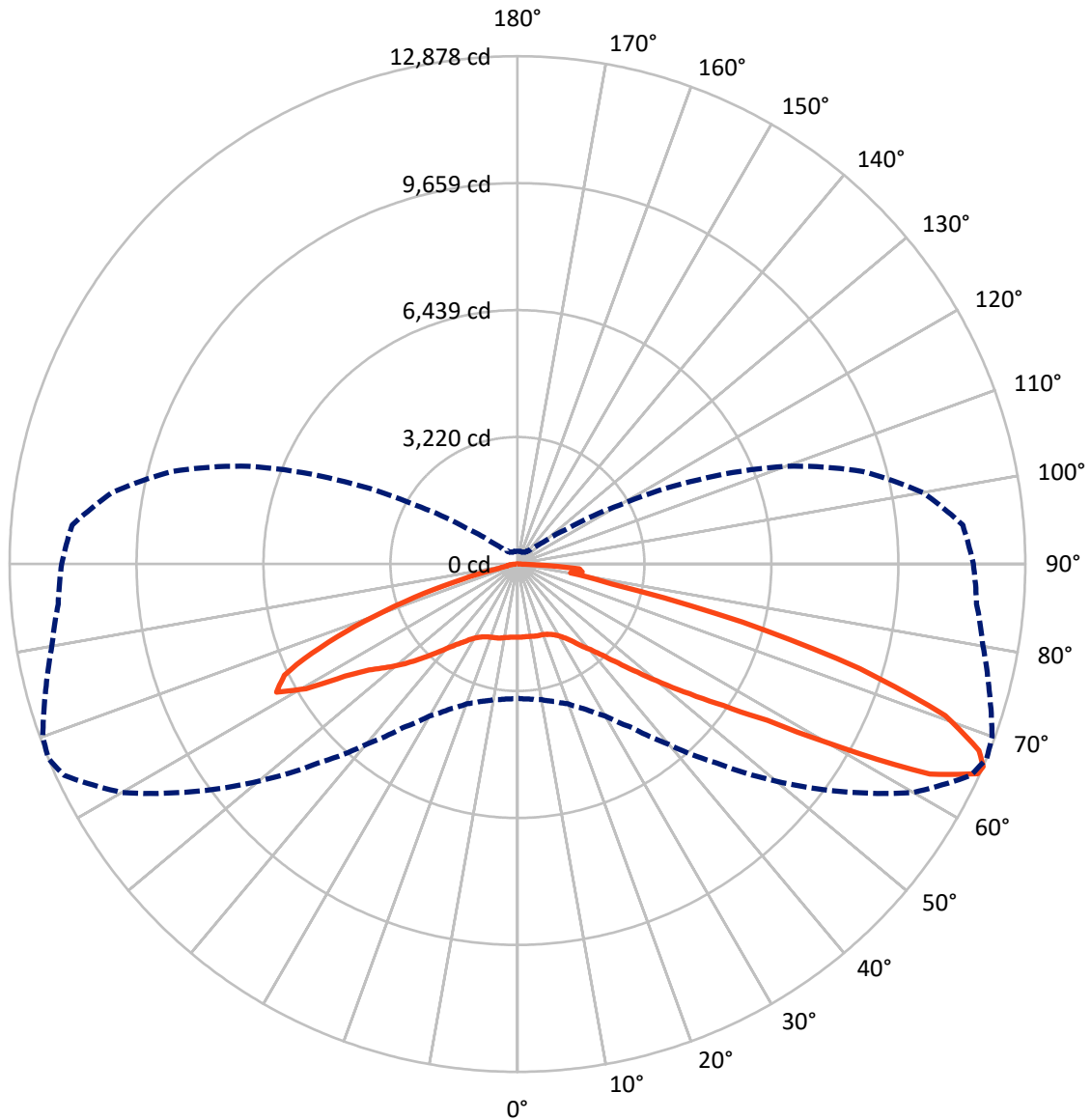
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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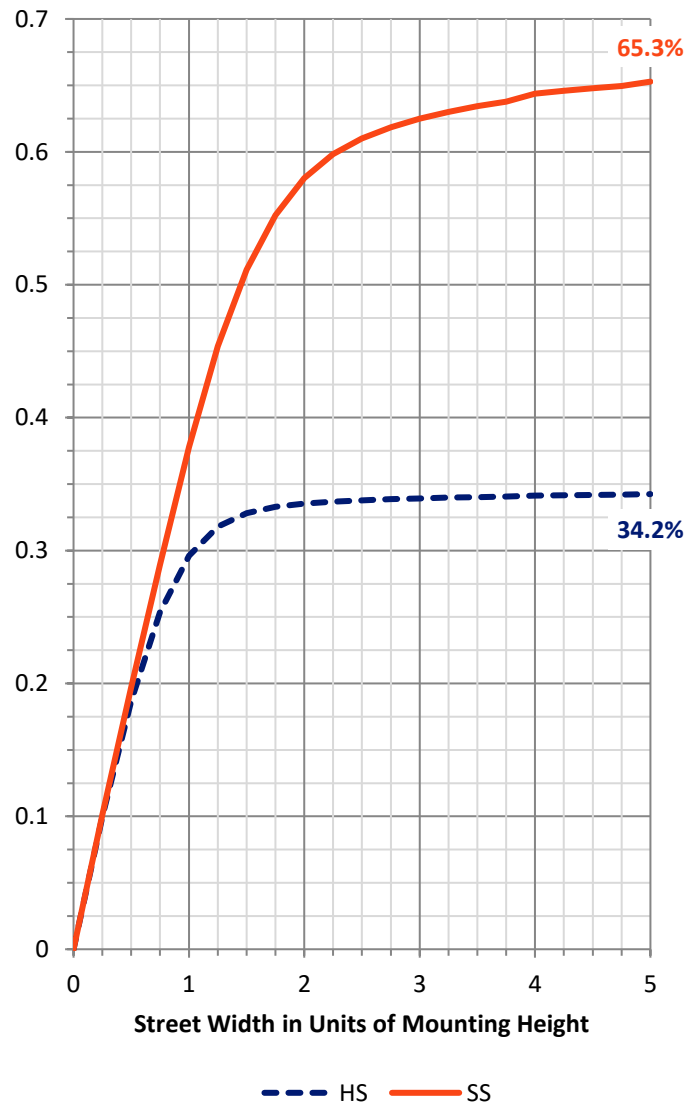
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5944.1	0.0	5944.1
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	11268.6	0.0	11268.6
	% Fixture	65.5	0.0	65.5
Total	Lumens	17212.7	0.0	17212.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	1.0
10°-20°	524.3	3.0
20°-30°	901.1	5.2
30°-40°	1463.2	8.5
40°-50°	2442.8	14.2
50°-60°	3846.5	22.3
60°-70°	5245.1	30.5
70°-80°	2270.6	13.2
80°-90°	341.4	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°	17212.7	100.0
0°-180°	17212.7	100.0



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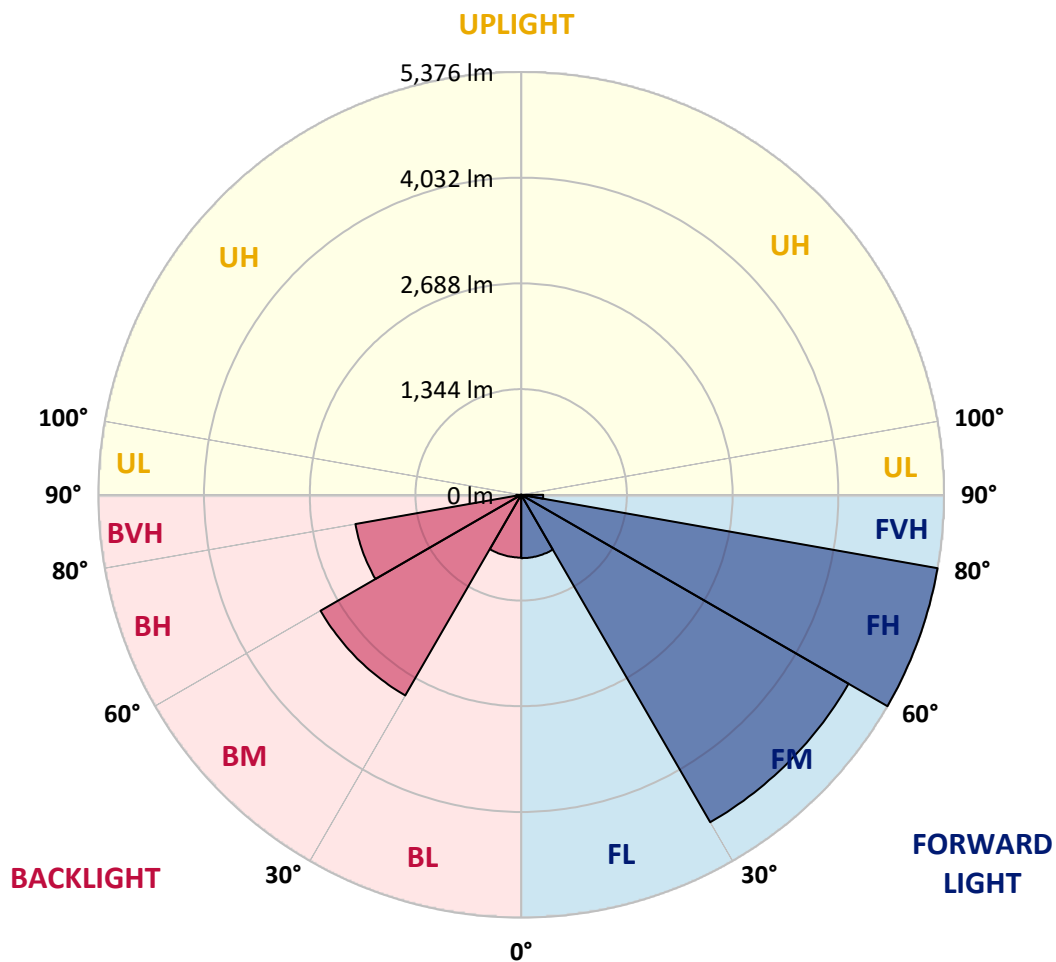
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	805.2	4.7			
FM	(30°-60°)	4806.9	27.9			
FH	(60°-80°)	5376.1	31.2			G3/7500
FVH	(80°-90°)	280.3	1.6			G3/500
BL	(0°-30°)	797.9	4.6	B2/1000		
BM	(30°-60°)	2945.5	17.1	B3/5000		
BH	(60°-80°)	2139.6	12.4	B3/2500		G3/2500
BVH	(80°-90°)	61.1	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°	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9
2.5°	1862.3	1869.8	1862.3	1864.2	1866.1	1864.2	1862.3	1862.3	1856.8	1860.5	1864.2
5°	1854.9	1860.5	1858.6	1860.5	1862.3	1860.5	1858.6	1860.5	1856.8	1858.6	1864.2
7.5°	1845.6	1843.7	1845.6	1849.3	1853.0	1853.0	1853.0	1854.9	1853.0	1853.0	1858.6
10°	1817.7	1819.5	1823.3	1828.8	1830.7	1836.3	1836.3	1841.9	1843.7	1847.5	1854.9
12.5°	1782.3	1784.2	1787.9	1791.6	1800.9	1810.2	1810.2	1823.3	1828.8	1838.2	1851.2
15°	1756.3	1758.2	1761.9	1765.6	1773.0	1782.3	1787.9	1802.8	1812.1	1828.8	1847.5
17.5°	1771.2	1769.3	1773.0	1774.9	1774.9	1782.3	1782.3	1793.5	1804.7	1819.5	1843.7
20°	1814.0	1814.0	1817.7	1817.7	1815.8	1819.5	1812.1	1812.1	1814.0	1821.4	1838.2
22.5°	1856.8	1854.9	1862.3	1866.1	1867.9	1873.5	1866.1	1864.2	1854.9	1849.3	1854.9
25°	1897.7	1895.8	1905.1	1910.7	1920.0	1925.6	1925.6	1925.6	1918.2	1908.8	1903.3
27.5°	1960.9	1960.9	1970.2	1975.8	1983.3	1994.4	2000.0	2000.0	2001.9	1988.8	1979.5
30°	2067.0	2068.8	2070.7	2078.2	2085.6	2089.3	2096.8	2102.3	2107.9	2100.5	2085.6
32.5°	2193.5	2182.3	2182.3	2193.5	2202.8	2214.0	2217.7	2225.1	2236.3	2230.7	2228.9
35°	2344.2	2340.5	2336.8	2340.5	2351.6	2364.7	2379.5	2392.6	2385.1	2396.3	2390.7
37.5°	2567.5	2571.2	2573.0	2573.0	2571.2	2574.9	2582.3	2595.4	2591.6	2595.4	2602.8
40°	2935.8	2922.8	2909.8	2911.6	2893.0	2896.8	2867.0	2880.0	2881.9	2868.9	2874.4
42.5°	3304.2	3311.6	3317.2	3332.1	3319.1	3311.6	3283.7	3283.7	3268.9	3255.8	3252.1
45°	3702.3	3717.2	3719.1	3748.9	3737.7	3761.9	3782.3	3776.8	3752.6	3750.7	3724.7
47.5°	4020.5	4044.7	4070.7	4106.1	4134.0	4187.9	4251.2	4282.8	4301.4	4316.3	4286.5
50°	4258.6	4269.8	4336.8	4392.6	4454.0	4543.3	4630.7	4744.2	4835.4	4878.2	4919.1
52.5°	4387.0	4414.9	4487.5	4574.9	4682.8	4816.8	4958.2	5138.6	5294.9	5399.1	5492.1
55°	4414.9	4442.8	4524.7	4636.3	4783.3	4963.8	5166.5	5412.1	5646.5	5847.5	6042.8
57.5°	4336.8	4368.4	4455.8	4584.2	4757.2	4976.8	5231.7	5553.5	5877.2	6202.8	6491.2
60°	4193.5	4232.6	4312.6	4439.1	4630.7	4878.2	5183.3	5587.0	6041.0	6539.6	7092.1
62.5°	3957.2	3998.2	4072.6	4212.1	4409.3	4682.8	5036.3	5538.6	6180.5	6965.6	7946.1
65°	3577.7	3596.3	3687.5	3828.9	4003.7	4305.1	4694.0	5300.5	6135.9	7228.0	8578.7
66°	3406.5	3438.2	3494.0	3607.5	3774.9	4057.7	4448.4	5064.2	5966.5	7136.8	8561.9
67.5°	3138.6	3162.8	3200.0	3276.3	3378.6	3587.0	3957.2	4539.6	5449.3	6675.4	8206.6
70°	2537.7	2548.9	2599.1	2625.1	2660.5	2729.3	2863.3	3198.2	3907.0	5058.6	6623.3
72.5°	1730.2	1761.9	1815.8	1890.2	1987.0	2080.0	2143.3	2186.1	2338.6	3017.7	4413.1
75°	1268.8	1302.3	1371.2	1469.8	1639.1	1832.6	2033.5	2126.5	2063.3	1975.8	2457.7
77.5°	736.7	781.4	839.1	934.0	1090.2	1347.0	1691.2	1996.3	2202.8	2215.8	2104.2
80°	310.7	316.3	351.6	400.0	496.7	677.2	945.1	1384.2	1841.9	2150.7	2223.3
82.5°	70.7	87.4	111.6	132.1	161.9	223.3	331.2	550.7	995.4	1560.9	2035.4
85°	26.0	26.0	35.3	52.1	59.5	67.0	87.4	139.5	238.1	439.1	915.4
87.5°	0.0	1.9	3.7	3.7	7.4	9.3	14.9	20.5	18.6	16.7	55.8
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9
2.5°	1860.5	1858.6	1854.9	1854.9	1854.9	1854.9	1851.2	1853.0	1849.3	1851.2	1851.2
5°	1858.6	1858.6	1856.8	1853.0	1854.9	1854.9	1856.8	1853.0	1853.0	1854.9	1853.0
7.5°	1858.6	1856.8	1856.8	1856.8	1858.6	1856.8	1858.6	1858.6	1858.6	1860.5	1860.5
10°	1858.6	1858.6	1862.3	1864.2	1864.2	1866.1	1871.6	1871.6	1873.5	1875.4	1879.1
12.5°	1860.5	1867.9	1873.5	1879.1	1880.9	1884.7	1894.0	1894.0	1897.7	1903.3	1905.1
15°	1862.3	1873.5	1884.7	1888.4	1892.1	1899.5	1908.8	1912.6	1918.2	1923.7	1927.5
17.5°	1860.5	1875.4	1888.4	1894.0	1899.5	1908.8	1920.0	1923.7	1931.2	1938.6	1946.1
20°	1858.6	1879.1	1899.5	1907.0	1914.4	1927.5	1942.3	1951.6	1959.1	1970.2	1977.7
22.5°	1869.8	1894.0	1921.9	1933.0	1946.1	1962.8	1983.3	1994.4	2003.7	2014.9	2020.5
25°	1905.1	1923.7	1957.2	1975.8	1992.6	2020.5	2048.4	2061.4	2072.6	2081.9	2083.7
27.5°	1964.7	1970.2	2011.2	2035.4	2059.5	2104.2	2137.7	2147.0	2167.5	2174.9	2173.0
30°	2061.4	2052.1	2085.6	2122.8	2158.2	2219.5	2260.5	2284.7	2303.3	2303.3	2288.4
32.5°	2200.9	2186.1	2195.4	2238.2	2279.1	2368.4	2416.8	2448.4	2461.4	2457.7	2426.1
35°	2383.3	2374.0	2368.4	2401.9	2467.0	2571.2	2634.4	2651.2	2671.6	2667.9	2627.0
37.5°	2599.1	2591.6	2591.6	2630.7	2694.0	2848.4	2917.2	2928.4	2926.5	2896.8	2820.5
40°	2854.0	2850.2	2833.5	2855.8	2909.8	3110.7	3203.7	3218.6	3198.2	3149.8	3060.5
42.5°	3220.5	3198.2	3146.1	3159.1	3200.0	3395.4	3516.3	3557.2	3536.8	3488.4	3343.3
45°	3698.6	3674.4	3587.0	3575.8	3598.2	3769.3	3925.6	3934.9	3931.2	3869.8	3698.6
47.5°	4260.5	4223.3	4130.3	4100.5	4093.0	4251.2	4401.9	4416.8	4407.5	4316.3	4087.5
50°	4868.9	4814.9	4753.5	4733.1	4703.3	4816.8	4969.3	4971.2	4934.0	4807.5	4593.5
52.5°	5518.2	5499.6	5488.4	5467.9	5454.9	5553.5	5646.5	5590.7	5534.9	5402.8	5216.8
55°	6173.1	6249.3	6327.5	6334.9	6357.2	6463.3	6461.4	6308.9	6267.9	6195.4	6011.2
57.5°	6868.9	7151.7	7397.3	7473.5	7548.0	7745.2	7726.6	7575.9	7523.8	7434.5	7281.9
60°	7815.9	8578.7	9287.5	9456.8	9574.0	9810.3	9788.0	9555.4	9663.3	9655.9	9458.7
62.5°	9142.4	10411.2	11473.6	11734.0	11815.9	11841.9	11700.5	11449.4	11555.4	11674.5	11068.0
65°	10041.0	11533.1	12623.3	12824.3	12835.4	12524.7	12210.3	11914.5	11888.4	11786.1	10919.1
66°	10061.5	11588.9	12682.9	12878.2	12809.4	12385.2	11987.1	11689.4	11561.0	11335.9	10437.3
67.5°	9700.5	11241.0	12418.7	12625.2	12474.5	11873.6	11324.7	10941.5	10690.3	10325.6	9533.1
70°	8147.0	9674.5	11125.6	11510.8	11559.1	10662.4	9901.5	9451.2	9112.6	8612.1	7929.4
72.5°	6057.7	7438.2	8718.2	9086.6	9274.5	8558.2	7916.3	7574.0	7110.7	6584.2	6098.6
75°	3797.2	4772.1	5629.8	5888.4	5711.7	5157.2	4772.1	4628.9	4173.0	3858.6	3637.2
77.5°	2171.2	2476.3	2545.1	2446.5	2238.2	1713.5	1218.6	902.3	783.3	867.0	956.3
80°	2119.1	1942.3	1547.9	1361.9	1233.5	848.4	498.6	342.3	284.7	292.1	316.3
82.5°	2295.8	2463.3	2027.9	1654.0	1387.9	937.7	517.2	275.4	186.0	219.5	247.4
85°	1492.1	2076.3	1869.8	1575.8	1276.3	801.9	426.0	143.3	94.9	124.7	171.2
87.5°	150.7	165.6	141.4	191.6	143.3	67.0	33.5	20.5	18.6	22.3	33.5
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°	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9	1854.9
2.5°	1853.0	1853.0	1854.9	1856.8	1858.6	1860.5	1860.5	1860.5	1860.5	1864.2	1862.3
5°	1856.8	1860.5	1864.2	1866.1	1869.8	1869.8	1875.4	1873.5	1873.5	1879.1	1880.9
7.5°	1864.2	1869.8	1877.2	1875.4	1882.8	1880.9	1884.7	1884.7	1879.1	1880.9	1877.2
10°	1880.9	1888.4	1892.1	1886.5	1888.4	1880.9	1879.1	1869.8	1858.6	1853.0	1845.6
12.5°	1908.8	1916.3	1916.3	1907.0	1895.8	1879.1	1866.1	1845.6	1828.8	1819.5	1810.2
15°	1933.0	1940.5	1938.6	1923.7	1907.0	1880.9	1862.3	1838.2	1814.0	1799.1	1789.8
17.5°	1951.6	1955.4	1949.8	1929.3	1910.7	1886.5	1867.9	1841.9	1814.0	1795.4	1778.6
20°	1979.5	1975.8	1962.8	1936.8	1916.3	1894.0	1879.1	1856.8	1825.1	1800.9	1776.8
22.5°	2020.5	2005.6	1981.4	1953.5	1933.0	1912.6	1897.7	1873.5	1841.9	1812.1	1784.2
25°	2074.4	2044.7	2011.2	1981.4	1962.8	1940.5	1923.7	1897.7	1864.2	1830.7	1797.2
27.5°	2152.6	2100.5	2057.7	2031.6	2011.2	1983.3	1962.8	1929.3	1894.0	1854.9	1817.7
30°	2240.0	2169.3	2128.4	2107.9	2085.6	2055.8	2024.2	1981.4	1940.5	1897.7	1853.0
32.5°	2353.5	2267.9	2228.9	2208.4	2178.6	2141.4	2104.2	2055.8	1998.2	1942.3	1888.4
35°	2502.3	2414.9	2374.0	2342.3	2301.4	2253.0	2199.1	2134.0	2055.8	1981.4	1912.6
37.5°	2662.3	2567.5	2528.4	2494.9	2433.5	2370.2	2294.0	2199.1	2093.0	1994.4	1908.8
40°	2865.1	2777.7	2727.5	2669.8	2597.2	2487.5	2368.4	2230.7	2094.9	1974.0	1873.5
42.5°	3121.9	3034.4	2960.0	2868.9	2742.3	2573.0	2403.7	2225.1	2061.4	1923.7	1815.8
45°	3462.3	3356.3	3227.9	3067.9	2863.3	2627.0	2405.6	2189.8	1998.2	1845.6	1730.2
47.5°	3879.1	3717.2	3507.0	3237.2	2943.3	2641.9	2375.8	2119.1	1899.5	1734.0	1605.6
50°	4374.0	4119.1	3773.0	3376.8	2984.2	2619.6	2301.4	2013.0	1760.0	1583.3	1430.7
52.5°	4939.6	4522.8	4013.0	3477.2	2982.3	2545.1	2174.9	1853.0	1577.7	1380.5	1235.4
55°	5603.8	4984.2	4260.5	3551.6	2930.3	2407.5	1981.4	1627.9	1352.6	1170.2	1036.3
57.5°	6576.8	5732.1	4692.1	3667.0	2826.1	2195.4	1719.1	1358.1	1116.3	943.3	829.8
60°	8355.4	6980.5	5469.8	3899.6	2666.1	1884.7	1412.1	1069.8	867.0	727.4	651.2
62.5°	9694.9	7946.1	5890.3	3847.5	2344.2	1501.4	1047.4	779.5	638.1	543.3	494.9
65°	9503.3	7646.6	5441.9	3313.5	1838.2	1058.6	695.8	530.2	439.1	394.4	366.5
66°	9069.8	7255.9	5053.1	2982.3	1588.8	880.0	573.0	444.7	377.7	346.0	327.4
67.5°	8247.5	6530.3	4357.2	2444.7	1220.5	638.1	431.6	351.6	307.0	294.0	280.9
70°	6855.9	5207.5	3058.6	1423.3	623.3	355.4	273.5	245.6	234.4	232.6	228.8
72.5°	5254.0	3685.6	1800.9	673.5	323.7	236.3	212.1	202.8	199.1	199.1	200.9
75°	3220.5	2070.7	796.3	329.3	227.0	199.1	187.9	184.2	182.3	184.2	182.3
77.5°	1075.4	658.6	340.5	249.3	206.5	184.2	176.7	173.0	173.0	173.0	173.0
80°	329.3	286.5	260.5	230.7	195.4	174.9	163.7	161.9	163.7	165.6	160.0
82.5°	247.4	234.4	219.5	204.7	176.7	156.3	152.6	152.6	152.6	147.0	139.5
85°	182.3	180.5	148.8	139.5	130.2	130.2	130.2	130.2	124.7	115.3	107.9
87.5°	33.5	31.6	33.5	35.3	52.1	55.8	55.8	59.5	65.1	61.4	61.4
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):

	160°	165°	170°	175°	180°
0°	1854.9	1854.9	1854.9	1854.9	1854.9
2.5°	1862.3	1860.5	1866.1	1862.3	1864.2
5°	1879.1	1877.2	1880.9	1877.2	1882.8
7.5°	1873.5	1869.8	1867.9	1869.8	1871.6
10°	1834.4	1830.7	1828.8	1827.0	1828.8
12.5°	1800.9	1793.5	1793.5	1789.8	1791.6
15°	1776.8	1771.2	1769.3	1765.6	1767.5
17.5°	1765.6	1756.3	1752.6	1748.8	1748.8
20°	1758.2	1747.0	1741.4	1737.7	1735.8
22.5°	1758.2	1741.4	1734.0	1730.2	1728.4
25°	1765.6	1745.1	1734.0	1728.4	1726.5
27.5°	1780.5	1754.4	1741.4	1734.0	1734.0
30°	1806.5	1773.0	1754.4	1745.1	1743.3
32.5°	1832.6	1787.9	1761.9	1750.7	1747.0
35°	1845.6	1787.9	1756.3	1737.7	1734.0
37.5°	1830.7	1763.7	1724.7	1696.8	1691.2
40°	1784.2	1713.5	1670.7	1644.7	1640.9
42.5°	1722.8	1654.0	1603.7	1585.1	1579.5
45°	1639.1	1557.2	1507.0	1480.9	1482.8
47.5°	1495.8	1412.1	1367.5	1343.3	1347.0
50°	1326.5	1244.7	1205.6	1179.5	1185.1
52.5°	1140.5	1066.1	1028.8	1015.8	1012.1
55°	945.1	887.4	861.4	846.5	840.9
57.5°	766.5	725.6	707.0	688.4	690.2
60°	604.7	584.2	578.6	558.1	556.3
62.5°	476.3	463.3	457.7	442.8	444.7
65°	360.9	357.2	360.9	351.6	355.4
66°	325.6	327.4	327.4	321.9	325.6
67.5°	280.9	284.7	290.2	284.7	288.4
70°	232.6	236.3	240.0	240.0	240.0
72.5°	202.8	206.5	208.4	208.4	208.4
75°	186.0	187.9	189.8	186.0	186.0
77.5°	174.9	174.9	171.2	169.3	167.4
80°	158.1	156.3	150.7	147.0	147.0
82.5°	132.1	128.4	124.7	119.1	119.1
85°	100.5	96.7	93.0	85.6	81.9
87.5°	52.1	54.0	52.1	42.8	37.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)