

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: P180052

Luminaire Tested: **ICS-F04-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180052
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F04-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8751 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 102.2
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

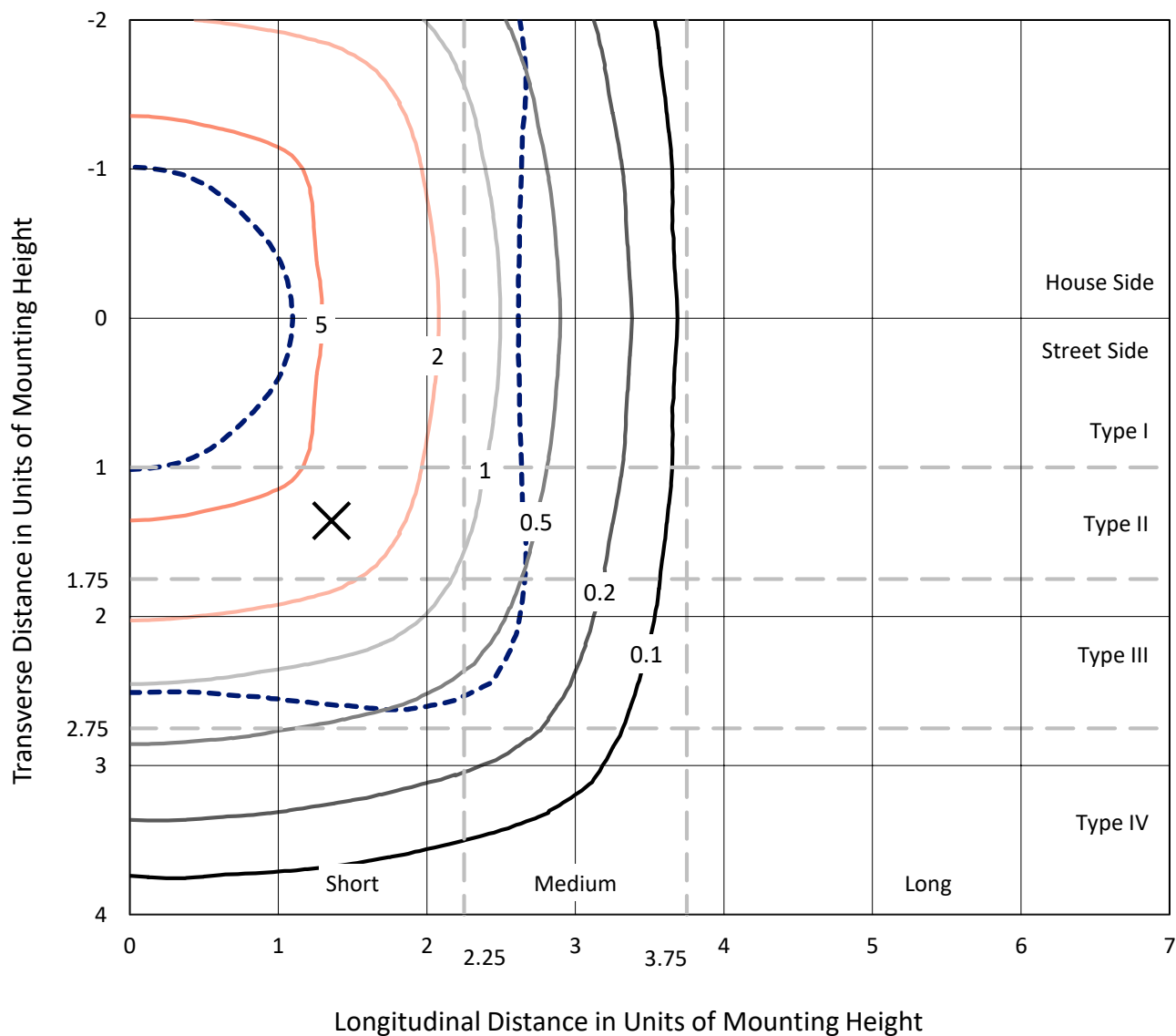


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

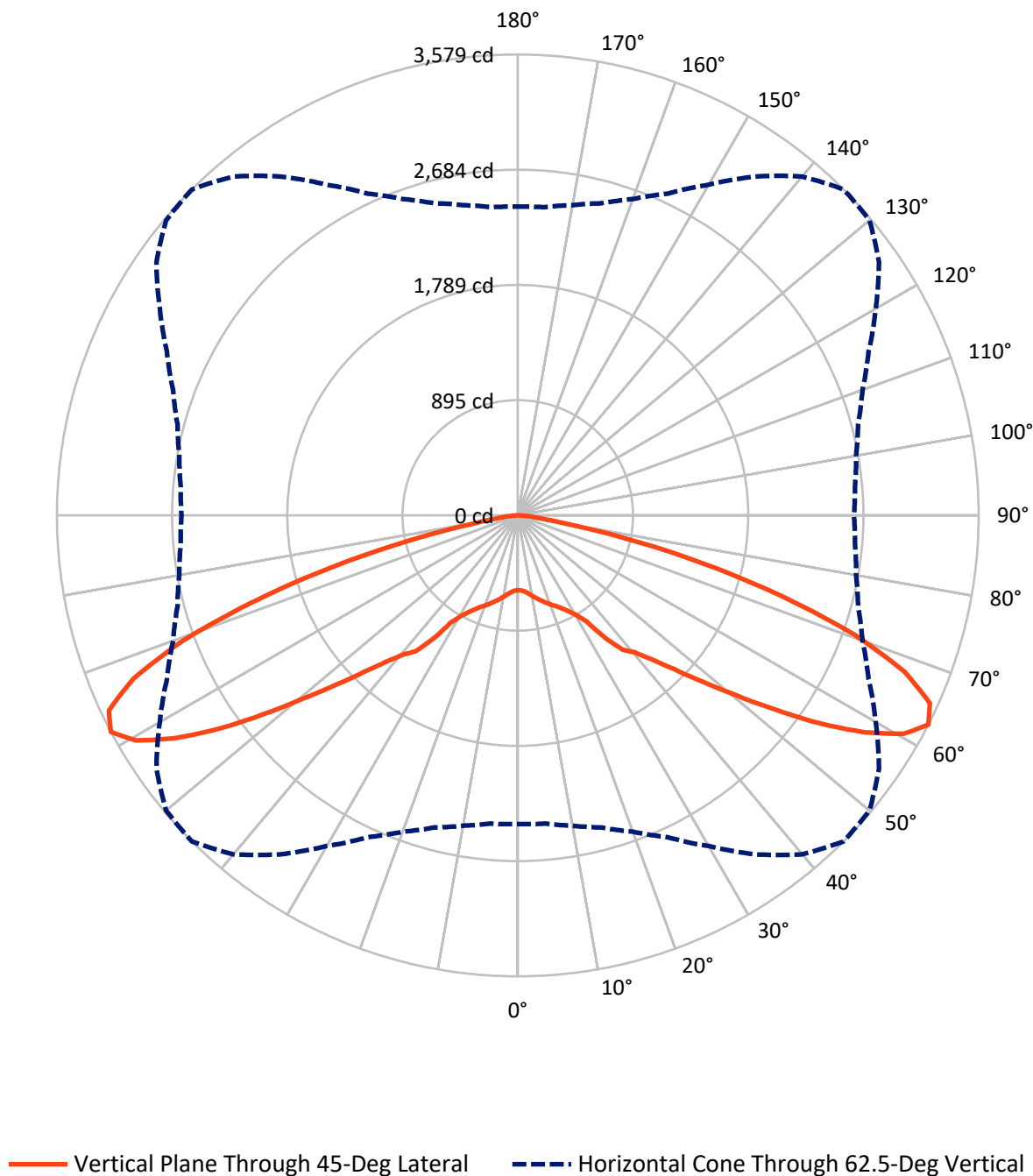


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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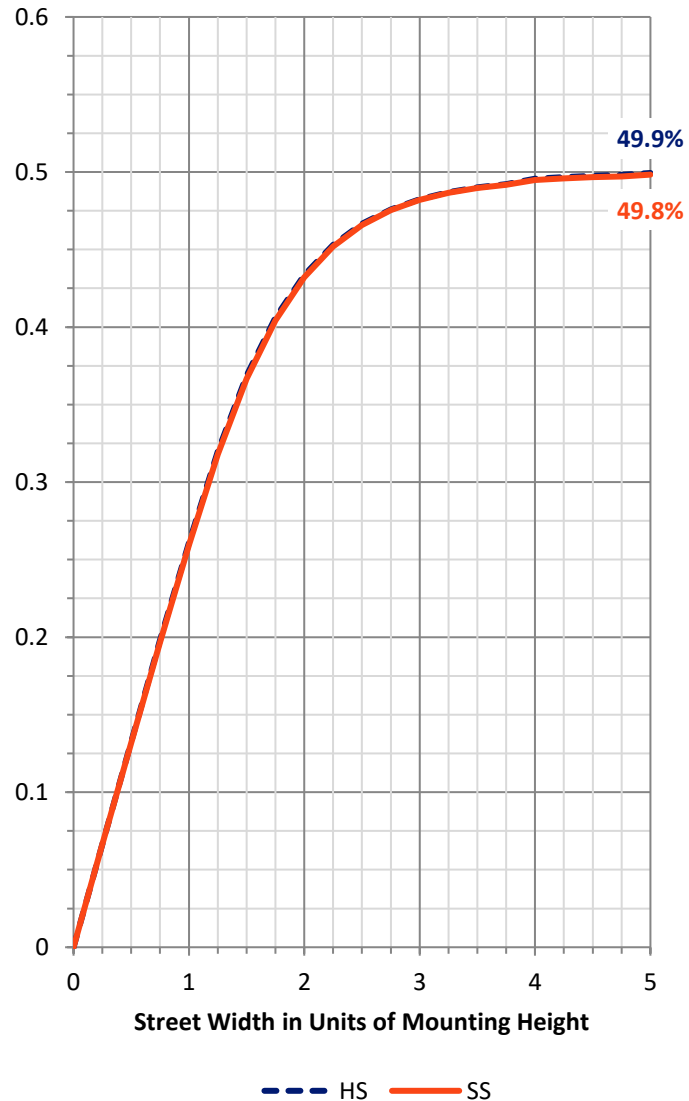
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4375.5	0.0	4375.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4375.5	0.0	4375.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8751.0	0.0	8751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	0.7
10°-20°	196.8	2.2
20°-30°	380.5	4.3
30°-40°	736.7	8.4
40°-50°	1330.2	15.2
50°-60°	2313.0	26.4
60°-70°	2625.8	30.0
70°-80°	1018.0	11.6
80°-90°	91.8	1.0
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°	8751.0	100.0
0°-180°	8751.0	100.0

Coefficient of Utilization



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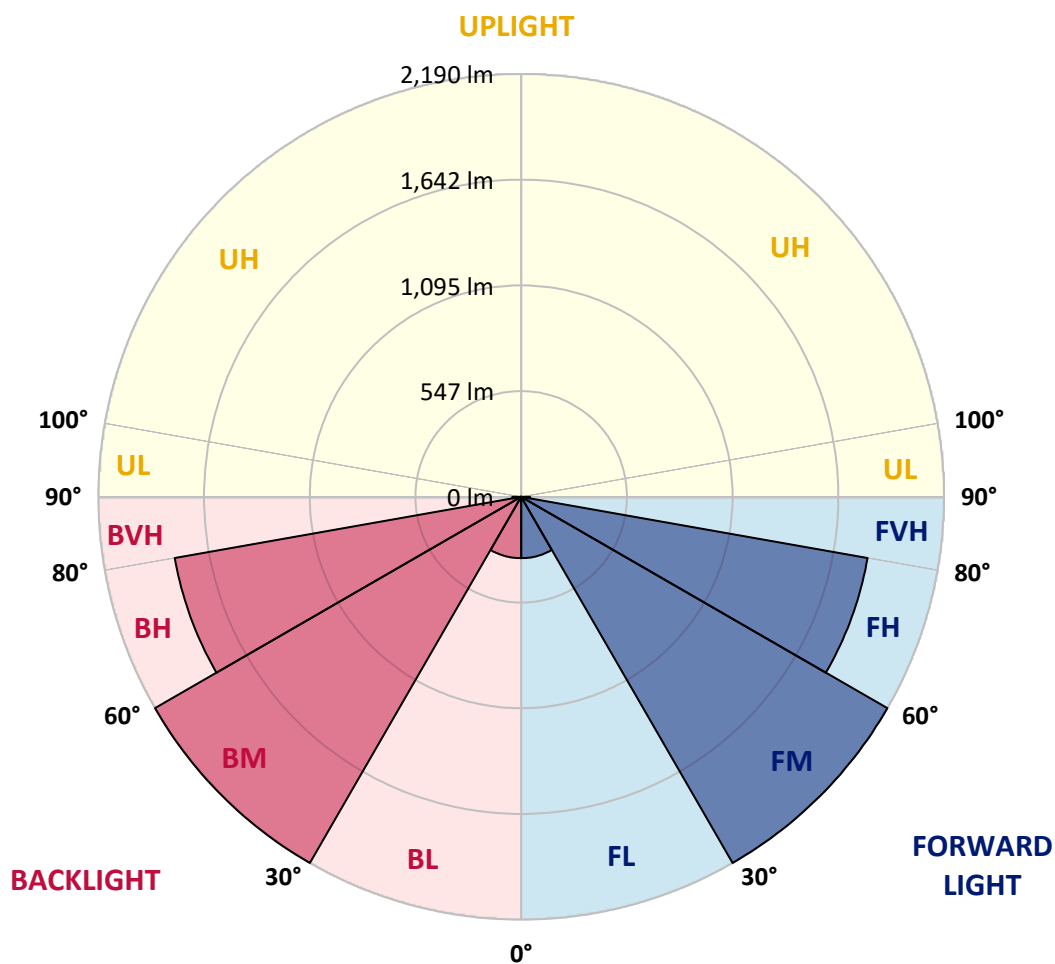
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.7	3.6			
FM	(30°-60°)	2189.9	25.0			
FH	(60°-80°)	1821.9	20.8			G2/5000
FVH	(80°-90°)	45.9	0.5			G1/100
BL	(0°-30°)	317.7	3.6	B1/500		
BM	(30°-60°)	2189.9	25.0	B2/2500		
BH	(60°-80°)	1821.9	20.8	B3/2500		G2/5000
BVH	(80°-90°)	45.9	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9
2.5°	584.5	586.3	585.8	585.0	585.0	585.0	584.5	583.2	582.7	583.7	584.6
5°	598.1	598.1	598.1	598.1	597.2	597.2	596.2	595.3	595.8	595.0	594.5
7.5°	618.9	617.6	617.6	617.1	617.1	616.2	614.8	613.0	613.5	613.0	612.6
10°	643.3	643.8	642.4	643.8	641.6	641.1	639.2	638.4	637.9	636.6	636.6
12.5°	672.8	671.3	671.3	670.4	669.6	668.6	666.0	665.5	663.7	662.8	661.4
15°	700.4	699.9	698.1	696.3	695.8	694.9	691.8	690.0	689.5	687.2	685.4
17.5°	728.0	727.1	724.8	723.8	722.0	720.8	718.0	715.2	714.0	713.0	710.8
20°	757.4	756.4	754.2	752.4	750.1	748.3	744.2	742.0	740.6	739.2	737.4
22.5°	794.0	792.2	788.6	785.4	780.4	778.6	773.2	770.0	767.8	766.0	765.0
25°	833.8	834.2	829.3	825.2	819.4	814.4	807.6	803.9	801.7	799.9	799.4
27.5°	883.6	884.0	879.5	873.6	864.6	859.2	850.1	845.6	844.2	842.4	842.0
30°	962.3	958.2	950.6	941.0	932.8	921.1	908.0	903.5	899.0	897.6	897.6
32.5°	1107.0	1104.8	1098.5	1075.0	1064.1	1039.6	1016.6	1003.5	988.5	981.3	976.8
35°	1208.4	1207.5	1202.6	1194.4	1187.6	1182.6	1169.0	1166.8	1164.0	1164.1	1167.7
37.5°	1283.1	1277.6	1276.7	1278.1	1276.2	1277.2	1288.0	1303.0	1315.6	1322.0	1321.1
40°	1393.4	1385.8	1390.3	1387.1	1383.0	1382.2	1385.8	1391.6	1397.6	1397.5	1396.2
42.5°	1537.8	1541.4	1543.2	1530.1	1521.5	1519.2	1527.8	1526.0	1531.9	1529.6	1523.8
45°	1752.2	1750.0	1746.8	1731.0	1717.4	1706.5	1708.8	1705.6	1706.1	1702.5	1698.0
47.5°	1968.5	1976.2	1963.0	1955.4	1940.0	1932.3	1938.6	1933.2	1943.6	1924.6	1915.6
50°	2178.4	2183.8	2179.4	2168.4	2168.4	2179.3	2187.0	2197.0	2211.4	2189.7	2157.2
52.5°	2350.3	2354.8	2361.6	2370.6	2392.8	2416.0	2448.5	2483.4	2511.0	2506.8	2469.8
55°	2455.3	2460.7	2472.0	2503.2	2543.0	2603.7	2677.4	2758.4	2821.8	2852.5	2825.4
57.5°	2490.6	2494.6	2525.4	2563.0	2625.0	2715.0	2838.4	2978.3	3100.0	3177.4	3165.2
60°	2482.4	2482.4	2513.6	2565.2	2652.1	2771.5	2946.2	3139.8	3326.2	3442.0	3424.8
62.5°	2397.0	2401.4	2446.2	2508.2	2613.2	2756.2	2964.2	3211.7	3434.8	3578.6	3564.6
65°	2209.6	2212.8	2261.2	2335.0	2452.2	2621.3	2848.9	3123.0	3378.7	3517.1	3490.9
67.5°	1907.0	1910.1	1949.4	2032.8	2156.7	2333.6	2579.2	2881.0	3131.2	3240.6	3162.0
70°	1516.9	1526.0	1551.4	1639.6	1733.7	1907.0	2133.2	2435.0	2671.0	2774.7	2687.8
72.5°	1033.8	1056.8	1087.6	1165.9	1256.0	1399.8	1579.8	1834.1	2023.7	2143.6	2066.2
75°	582.2	614.8	624.3	683.6	757.8	871.4	1003.0	1185.4	1376.7	1474.0	1380.8
77.5°	251.5	278.2	290.0	317.6	375.5	423.0	503.1	626.1	774.0	842.4	730.6
80°	124.0	130.3	135.2	143.9	160.2	175.6	213.6	267.4	328.0	343.4	273.2
82.5°	95.9	100.4	109.0	115.8	119.9	124.0	127.6	134.8	140.7	143.8	135.8
85°	67.4	73.3	82.8	90.5	95.0	98.2	101.4	103.6	98.2	89.6	94.1
87.5°	17.6	23.1	32.2	34.8	39.4	41.6	40.7	42.0	38.0	27.6	30.8
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°	70°	75°	80°	85°	90°
0°	580.9	580.9	580.9	580.9	580.9	580.9	580.9	580.9
2.5°	584.1	583.7	584.1	584.1	584.1	583.6	583.6	583.6
5°	594.5	594.5	595.0	594.0	594.0	594.4	594.0	593.6
7.5°	612.1	611.7	611.7	611.2	611.6	611.2	611.2	610.8
10°	635.7	634.8	635.2	633.8	633.8	633.3	633.4	633.4
12.5°	661.0	659.6	660.0	658.7	656.4	657.0	657.3	656.9
15°	685.4	684.0	682.7	681.8	680.4	680.9	680.9	680.4
17.5°	710.3	707.6	707.2	705.8	705.3	705.3	705.4	705.8
20°	736.1	734.3	733.8	732.4	732.0	733.4	733.8	732.9
22.5°	763.6	762.8	763.7	762.8	764.2	765.0	765.5	764.6
25°	798.5	797.6	799.0	802.2	804.0	804.9	807.1	806.2
27.5°	843.3	842.4	845.6	850.1	852.8	857.3	859.6	860.5
30°	901.2	905.3	907.1	916.2	918.0	925.2	925.2	928.4
32.5°	985.4	993.0	1006.6	1020.6	1040.1	1054.2	1054.2	1061.4
35°	1170.0	1173.2	1183.6	1185.8	1189.8	1194.4	1189.8	1193.5
37.5°	1311.6	1297.6	1287.6	1273.6	1265.0	1265.0	1265.9	1265.0
40°	1384.0	1378.6	1374.0	1362.2	1360.4	1360.0	1360.0	1361.8
42.5°	1513.4	1500.2	1493.0	1483.0	1479.9	1479.0	1478.5	1479.4
45°	1681.6	1660.4	1640.9	1631.0	1622.4	1614.2	1617.0	1617.0
47.5°	1877.6	1844.5	1812.8	1795.6	1780.7	1774.0	1769.4	1768.1
50°	2116.0	2069.8	2029.1	1997.0	1975.3	1974.8	1977.0	1962.6
52.5°	2408.2	2335.4	2284.8	2241.3	2221.0	2218.7	2211.4	2203.3
55°	2732.2	2645.8	2562.0	2515.4	2488.8	2474.3	2465.7	2452.1
57.5°	3066.0	2949.8	2829.4	2754.8	2707.8	2675.2	2658.0	2650.3
60°	3323.5	3164.7	3005.8	2886.0	2807.7	2759.3	2729.4	2717.2
62.5°	3424.8	3209.4	3005.9	2848.4	2735.4	2668.4	2628.1	2610.5
65°	3304.0	3048.8	2817.2	2643.5	2517.2	2442.6	2398.8	2379.7
67.5°	2966.6	2741.2	2489.2	2316.4	2186.6	2112.8	2065.3	2051.3
70°	2487.0	2256.7	2016.0	1861.7	1745.8	1685.7	1636.4	1630.5
72.5°	1869.0	1670.4	1464.0	1336.4	1243.2	1143.7	1118.4	1131.1
75°	1198.0	1012.0	828.4	713.5	628.4	533.4	496.8	505.8
77.5°	567.3	439.3	317.2	245.2	205.8	176.0	168.3	163.8
80°	210.4	170.5	150.6	143.0	137.6	132.6	129.0	124.9
82.5°	136.2	133.0	129.0	127.6	123.5	117.2	105.4	100.4
85°	101.8	101.8	96.4	96.8	93.6	85.5	74.6	68.8
87.5°	29.8	26.7	24.4	22.7	22.2	19.9	14.5	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)