

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: P181018

Luminaire Tested: **ICS-E01-LED-E1-SLL**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181018  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E01-LED-E1-SLL  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

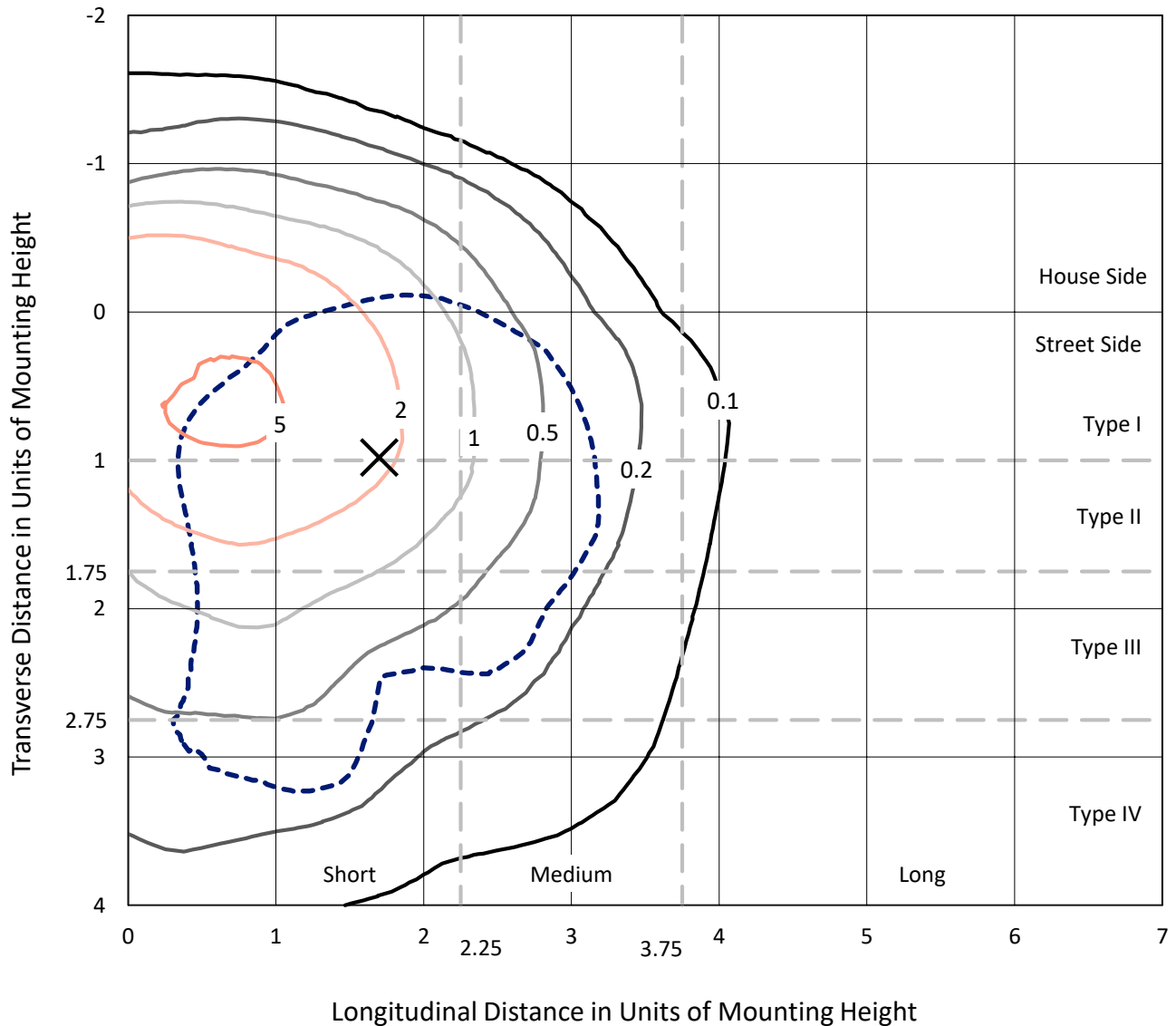
Lumens per Lamp: N/A  
Luminaire Lumens: 2504.3 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

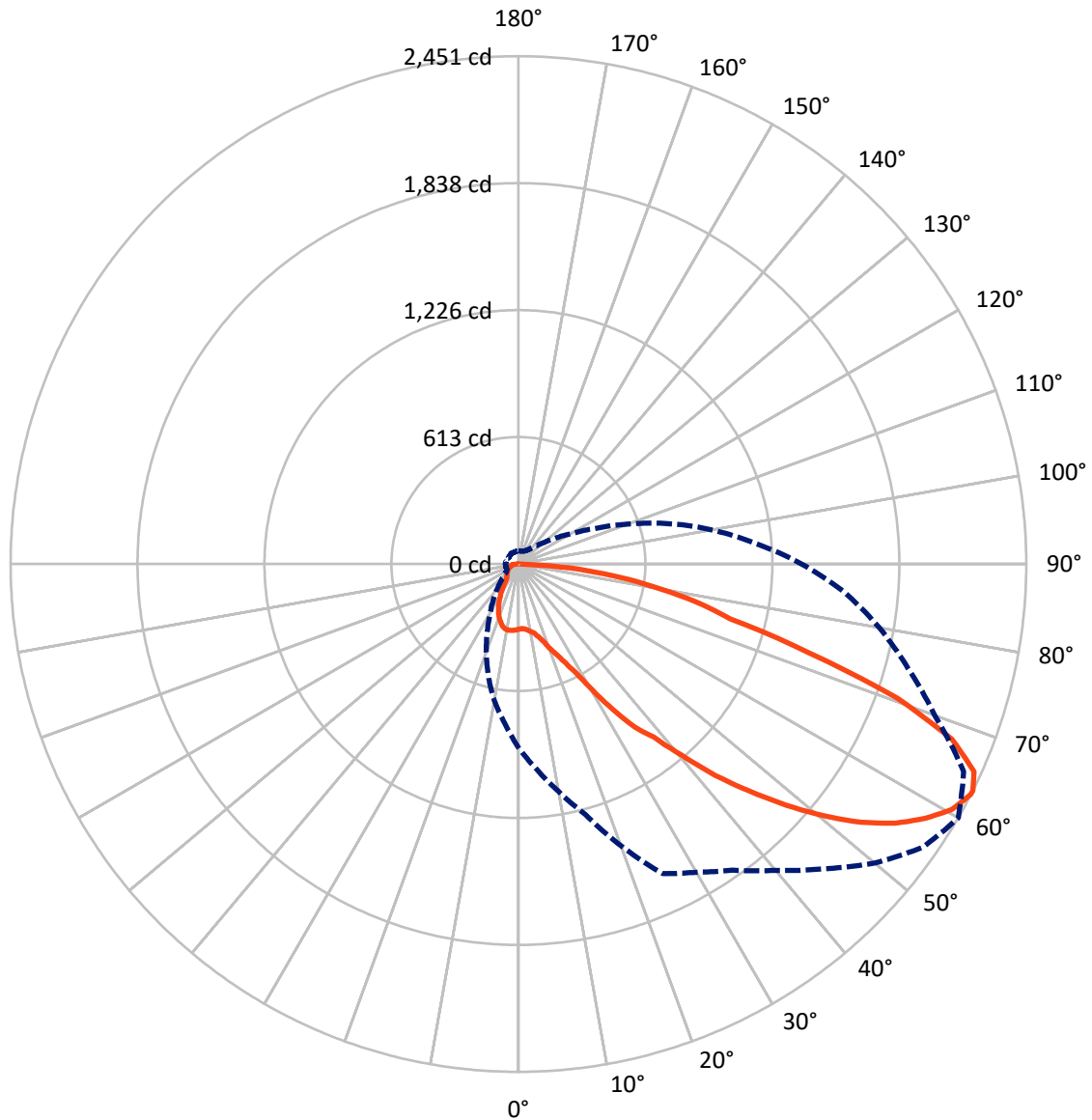
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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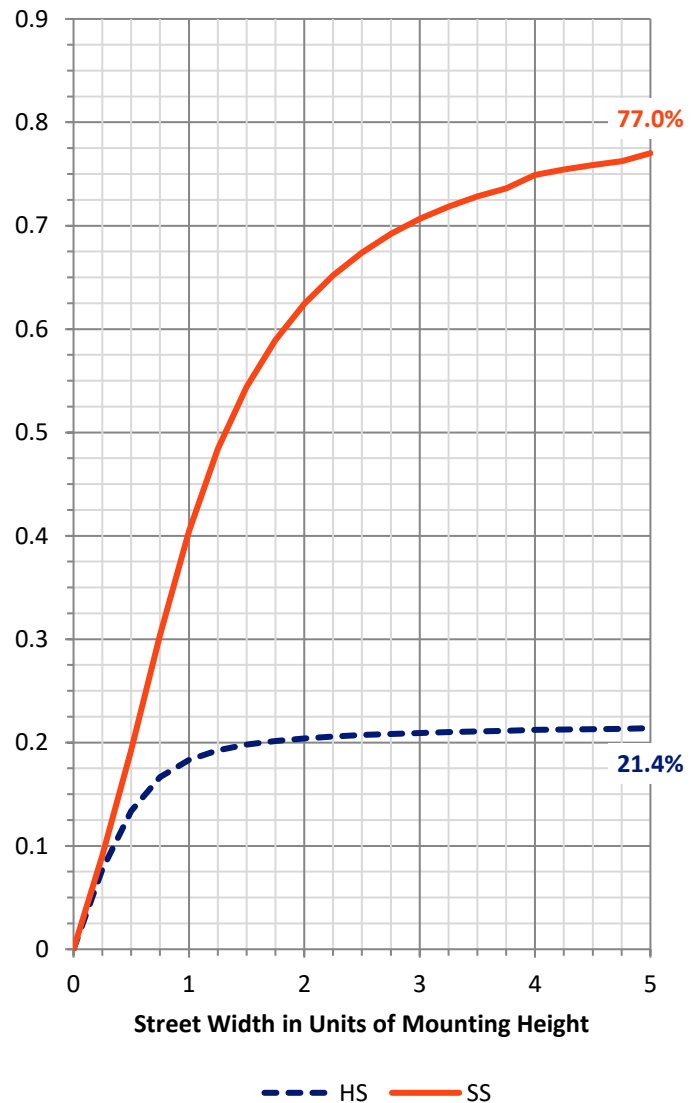
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	543.0	0.0	543.0
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1961.3	0.0	1961.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	2504.3	0.0	2504.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	1.2
10°-20°	95.4	3.8
20°-30°	169.5	6.8
30°-40°	266.9	10.7
40°-50°	392.8	15.7
50°-60°	521.8	20.8
60°-70°	574.8	23.0
70°-80°	360.6	14.4
80°-90°	91.8	3.7
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°	2504.3	100.0
0°-180°	2504.3	100.0



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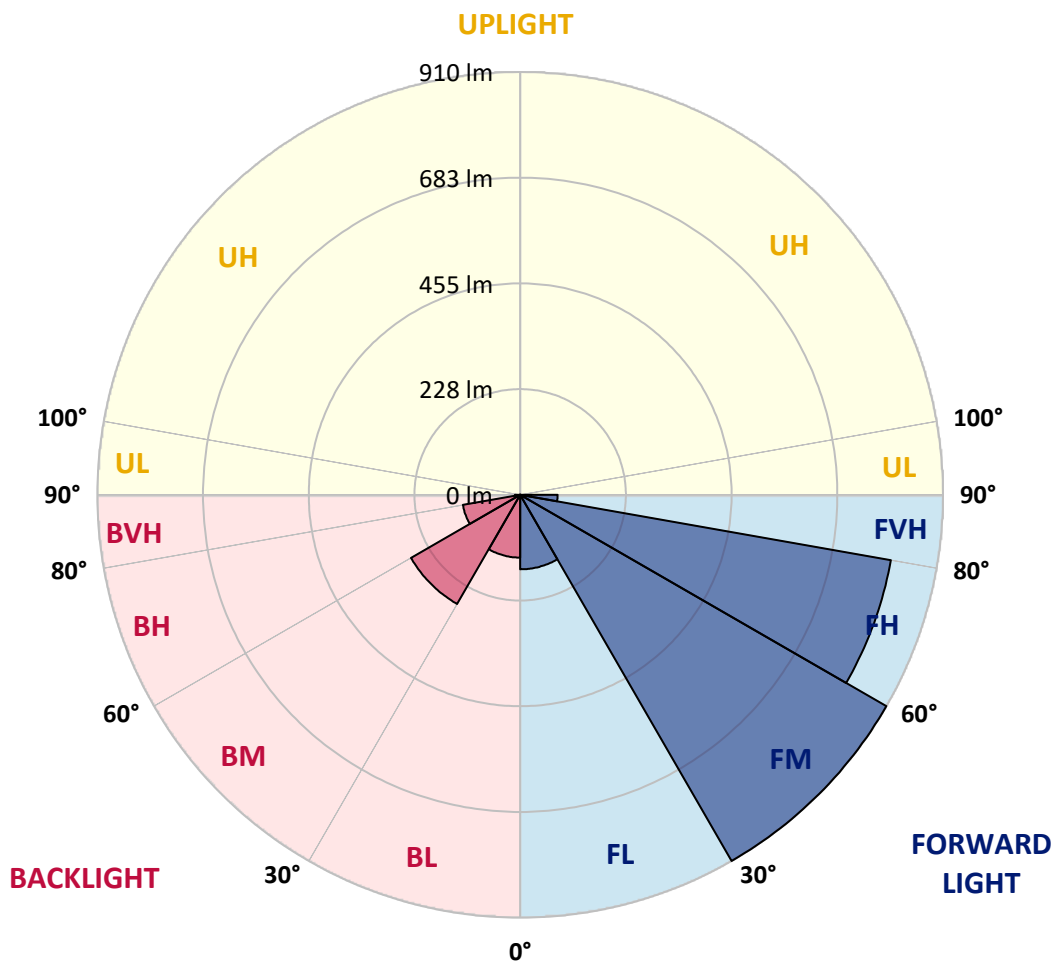
CATALOG NUMBER: ICS-E01-LED-E1-SLL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.3	6.4			
FM	(30°-60°)	910.1	36.3			
FH	(60°-80°)	810.2	32.4			G1/1800
FVH	(80°-90°)	80.6	3.2			G1/100
BL	(0°-30°)	135.2	5.4	B1/500		
BM	(30°-60°)	271.4	10.8	B1/1000		
BH	(60°-80°)	125.2	5.0	B1/500		G1/500
BVH	(80°-90°)	11.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	310.5	311.1	311.1	310.8	310.8	311.4	311.1	310.8	309.9	311.1	311.1
5°	308.1	308.7	308.7	309.3	309.9	310.5	310.5	311.1	310.8	312.0	312.9
7.5°	311.1	311.7	312.9	314.4	315.3	317.4	317.4	318.9	319.5	320.4	320.1
10°	315.0	316.5	319.2	321.6	323.4	325.8	327.6	329.7	329.7	330.6	331.2
12.5°	321.9	323.4	326.4	329.4	332.1	335.1	337.8	339.9	342.0	342.6	343.8
15°	333.3	335.1	339.6	343.8	347.1	351.0	354.6	358.8	362.7	363.6	364.2
17.5°	350.4	354.0	357.3	364.8	369.6	374.7	380.4	386.4	387.6	393.9	395.4
20°	374.7	379.2	382.2	391.5	399.6	406.2	414.6	421.5	424.2	430.2	436.2
22.5°	416.7	415.8	420.3	429.6	435.6	448.8	456.0	463.2	466.8	475.8	480.6
25°	473.1	477.9	487.8	488.7	494.4	509.7	519.0	526.2	526.5	529.2	534.3
27.5°	528.6	548.4	564.0	572.4	587.7	601.8	601.2	611.4	595.5	598.8	603.6
30°	595.8	628.8	658.2	678.0	693.6	710.1	718.2	723.9	717.0	714.0	708.3
32.5°	658.8	705.0	750.3	785.4	814.5	841.8	859.8	867.9	877.5	901.8	910.5
35°	702.0	767.4	823.8	874.5	923.2	966.7	998.2	1016.2	1009.3	1006.0	1004.2
37.5°	727.8	807.6	878.1	949.9	1005.7	1070.8	1119.7	1167.1	1177.9	1159.0	1149.7
40°	744.0	838.5	929.2	1013.8	1086.1	1170.1	1230.7	1301.8	1355.8	1363.0	1340.8
42.5°	751.8	859.2	964.9	1060.6	1158.4	1261.3	1338.1	1424.2	1504.9	1560.4	1546.6
45°	753.0	872.7	991.0	1102.9	1219.3	1341.4	1440.4	1535.8	1643.8	1738.9	1741.6
47.5°	753.0	882.9	1009.0	1133.5	1273.9	1411.0	1519.0	1631.8	1764.1	1876.6	1911.1
50°	753.6	889.8	1025.8	1157.5	1315.6	1469.8	1591.9	1725.1	1864.3	1986.7	2053.3
52.5°	756.3	894.9	1039.0	1174.6	1342.6	1511.2	1648.6	1802.2	1940.8	2066.5	2152.6
55°	762.3	902.1	1048.6	1185.1	1360.6	1538.2	1689.7	1855.0	1990.3	2117.8	2238.1
57.5°	779.1	914.7	1060.3	1194.4	1370.5	1555.9	1718.5	1877.8	2009.2	2142.1	2283.4
60°	812.7	941.5	1080.4	1213.0	1387.0	1588.6	1732.3	1862.5	1995.4	2134.9	2293.6
62.5°	866.4	983.2	1108.3	1244.5	1434.1	1639.3	1721.8	1816.9	1941.1	2093.2	2257.3
63°	885.0	992.2	1114.6	1251.4	1447.0	1648.6	1717.3	1803.4	1930.0	2080.0	2244.4
65°	937.0	1032.1	1144.6	1286.2	1500.1	1657.9	1682.2	1733.2	1853.2	2004.7	2168.2
67.5°	1033.9	1129.0	1209.1	1345.0	1544.8	1621.3	1573.3	1579.6	1705.0	1861.9	2008.9
70°	1095.1	1208.5	1250.2	1352.5	1536.7	1567.0	1432.3	1348.9	1449.4	1628.2	1756.9
72.5°	1079.2	1209.4	1204.9	1252.6	1374.7	1402.9	1263.4	1132.0	1191.7	1325.2	1408.6
75°	924.4	1080.1	1047.1	1037.5	1080.4	1099.0	994.3	974.2	1049.5	1123.6	1124.8
77.5°	665.4	836.7	798.0	742.5	739.5	782.4	796.5	928.3	1039.6	1098.1	1072.3
80°	423.9	609.6	569.4	472.5	471.0	526.8	650.7	829.8	947.8	980.5	913.2
82.5°	221.4	399.0	414.3	354.6	405.9	498.3	619.2	668.7	713.4	717.9	638.7
85°	138.0	245.4	288.6	297.9	366.6	441.9	441.0	423.6	403.8	345.6	312.6
87.5°	15.6	30.9	46.8	44.4	59.7	83.7	104.4	61.2	42.9	15.6	21.6
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	311.7	312.0	312.3	312.3	313.8	313.5	313.8	314.4	315.3	315.9	316.5
5°	314.1	314.1	315.3	316.2	318.0	319.2	319.8	321.6	323.7	323.1	324.9
7.5°	321.9	321.6	322.8	323.4	324.9	327.0	326.7	328.2	330.0	330.6	332.1
10°	332.4	331.5	331.5	330.9	331.2	330.6	330.6	330.6	331.8	331.5	332.7
12.5°	343.2	342.9	342.3	340.5	340.5	338.1	336.9	335.4	335.1	333.0	333.3
15°	365.4	365.4	364.2	360.6	357.6	355.5	352.5	350.4	347.4	343.5	341.4
17.5°	397.8	393.6	392.1	391.5	386.7	384.9	378.3	371.4	368.1	362.7	359.7
20°	437.4	436.5	430.5	427.5	421.5	413.1	404.7	395.7	390.3	383.7	380.1
22.5°	482.1	475.5	472.5	468.0	458.7	449.1	436.5	424.5	416.1	411.6	408.9
25°	534.3	527.7	524.7	518.7	507.3	497.1	481.5	467.4	459.9	452.4	448.2
27.5°	603.6	597.3	593.7	578.1	574.2	557.4	538.2	519.0	509.1	498.0	490.8
30°	707.1	707.4	688.8	669.9	650.4	621.3	601.2	579.6	563.4	547.5	531.6
32.5°	882.0	837.3	802.8	762.3	720.0	689.1	664.2	638.4	615.9	592.8	566.4
35°	988.9	967.3	922.6	848.4	805.8	768.3	740.7	709.5	681.9	641.1	600.9
37.5°	1109.5	1059.4	1005.1	964.0	915.6	872.1	825.9	790.5	742.8	687.9	630.9
40°	1285.6	1213.9	1148.5	1093.3	1030.9	985.3	933.7	882.3	819.0	739.5	661.2
42.5°	1469.5	1395.4	1309.0	1237.3	1163.8	1110.4	1046.5	974.5	881.4	783.0	687.3
45°	1662.4	1563.4	1459.9	1372.3	1295.8	1229.5	1150.3	1054.9	941.5	822.0	711.6
47.5°	1852.6	1738.9	1615.6	1521.4	1421.8	1340.8	1243.6	1123.0	988.3	858.9	735.9
50°	2020.3	1910.8	1762.3	1642.6	1541.8	1441.9	1320.7	1175.5	1025.2	890.7	757.8
52.5°	2164.9	2070.7	1914.4	1763.2	1647.1	1534.9	1382.8	1217.8	1062.4	920.2	775.8
55°	2271.1	2208.4	2064.4	1876.9	1739.8	1606.0	1435.3	1258.6	1097.5	943.6	787.5
57.5°	2351.2	2316.4	2192.8	1984.0	1825.0	1675.0	1489.6	1307.5	1132.3	963.7	792.9
60°	2395.0	2404.6	2290.0	2077.6	1900.3	1732.6	1543.9	1349.2	1158.1	975.4	789.9
62.5°	2390.8	2449.6	2362.9	2135.2	1944.1	1766.8	1580.5	1368.7	1154.5	956.8	762.6
63°	2382.7	2451.1	2371.0	2139.1	1946.8	1768.0	1581.4	1366.0	1147.0	947.8	751.8
65°	2312.8	2416.6	2364.1	2121.4	1922.8	1745.5	1562.5	1327.0	1094.2	899.4	696.3
67.5°	2125.6	2255.5	2240.5	1996.3	1809.1	1652.5	1465.9	1201.3	963.7	780.6	590.1
70°	1816.3	1938.4	1941.1	1736.2	1579.9	1426.3	1271.2	977.5	763.8	605.1	440.1
72.5°	1392.1	1470.7	1498.0	1363.0	1258.3	1150.3	1011.1	709.5	544.5	411.6	286.5
75°	1078.0	1056.4	1056.1	999.1	956.5	903.6	750.6	478.8	357.6	267.6	175.2
77.5°	969.1	873.0	780.0	711.6	677.4	659.7	492.3	288.6	210.9	153.9	100.8
80°	799.2	657.6	531.3	457.5	428.1	448.5	274.5	156.0	115.5	87.6	65.4
82.5°	551.1	457.5	347.7	288.0	247.2	258.6	140.4	79.8	53.4	48.9	40.5
85°	287.1	251.7	212.4	182.4	161.1	141.6	72.9	38.1	22.2	19.5	17.7
87.5°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	317.4	317.1	317.7	318.0	318.9	319.5	319.8	319.2	320.1	321.0	320.4
5°	325.8	327.9	328.2	329.1	329.1	330.9	330.9	330.9	330.6	330.9	330.3
7.5°	333.0	335.7	336.0	337.2	337.5	339.6	338.7	339.3	339.3	337.8	337.2
10°	333.9	336.6	338.1	339.6	341.7	344.4	344.4	345.9	345.9	344.7	344.4
12.5°	334.2	336.3	337.8	339.9	342.9	346.8	348.9	351.0	351.9	351.6	350.7
15°	340.5	340.5	340.8	342.6	344.7	349.5	352.5	354.9	356.4	355.8	354.3
17.5°	357.0	354.6	352.8	349.8	350.4	352.8	354.6	356.7	357.0	356.4	354.0
20°	376.2	373.2	368.7	363.9	361.5	359.7	358.5	358.5	357.6	354.6	350.7
22.5°	403.5	399.6	393.3	386.1	381.3	375.6	368.7	362.1	354.9	347.7	339.3
25°	441.3	435.9	429.3	418.2	408.0	396.0	381.9	367.2	350.1	335.1	322.8
27.5°	479.4	467.4	450.3	435.0	416.1	398.1	378.0	360.0	338.1	320.1	306.6
30°	510.9	488.1	463.5	439.2	414.3	390.0	366.0	344.4	320.4	302.1	288.9
32.5°	535.2	503.7	469.5	437.7	407.1	377.4	349.8	325.8	301.5	282.6	268.5
35°	557.7	513.9	470.4	431.1	393.3	362.4	331.2	305.1	279.3	259.5	244.2
37.5°	574.5	518.7	465.0	418.8	375.3	340.8	309.0	282.3	255.9	234.3	216.9
40°	585.3	515.7	453.3	401.1	354.0	317.7	285.3	257.7	232.2	208.5	187.5
42.5°	594.0	511.8	441.6	384.9	337.2	297.6	264.3	234.6	208.8	183.0	159.9
45°	606.9	514.8	436.5	373.5	322.2	280.5	243.9	213.0	186.0	160.8	138.6
47.5°	619.5	516.3	429.0	359.4	303.3	262.8	225.6	195.6	168.0	144.9	124.5
50°	630.9	515.4	417.3	341.4	285.0	245.1	209.1	179.1	151.8	130.5	111.3
52.5°	636.3	510.3	402.9	324.0	270.3	229.5	192.9	163.8	136.8	116.7	99.0
55°	635.7	497.1	384.0	307.5	254.1	213.0	177.0	148.2	123.9	105.3	90.0
57.5°	626.7	476.7	363.9	289.2	232.8	192.6	158.4	130.5	110.1	94.5	81.6
60°	607.8	450.6	337.5	262.5	206.1	167.4	135.3	111.3	94.8	82.8	74.4
62.5°	572.4	413.1	304.5	225.3	170.1	134.7	106.8	91.2	78.9	71.7	67.8
63°	561.9	402.9	290.4	216.3	161.7	127.2	100.8	84.6	75.6	69.3	65.7
65°	509.7	352.8	243.0	174.6	125.7	98.1	81.0	68.7	63.3	60.6	60.3
67.5°	412.8	277.5	171.9	119.7	85.5	70.8	62.1	57.0	54.6	54.0	54.6
70°	289.8	175.2	109.2	79.5	63.3	57.0	53.1	51.0	49.5	49.8	50.4
72.5°	184.8	105.0	75.0	60.3	53.4	50.1	48.3	47.7	47.4	47.1	47.1
75°	105.3	69.9	57.6	52.2	48.6	45.9	44.4	43.8	44.1	44.4	43.8
77.5°	69.6	57.6	51.3	47.7	44.4	41.4	40.5	40.2	40.8	41.4	41.4
80°	54.9	51.3	47.7	44.1	38.7	36.6	37.2	37.5	37.2	37.5	36.6
82.5°	38.7	38.1	39.0	37.5	32.1	30.3	29.7	30.0	29.4	29.4	28.8
85°	18.0	18.0	18.9	18.9	18.3	18.6	20.1	21.9	22.8	21.9	20.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.7	5.4	7.8	8.4	10.5	10.2
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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CATALOG NUMBER: ICS-E01-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	319.5	320.1	319.8	319.5	320.1	319.5	319.8	319.5	319.5	319.2	319.2
5°	329.7	330.6	328.8	328.5	327.9	326.4	326.4	325.8	325.8	324.6	323.7
7.5°	336.3	336.6	335.1	334.8	333.3	331.8	330.6	329.4	329.1	328.2	326.4
10°	342.6	342.0	340.8	339.3	337.8	335.7	334.2	332.7	332.4	330.9	328.8
12.5°	348.0	347.7	345.3	343.8	341.4	339.3	337.5	335.7	334.8	333.0	330.0
15°	351.6	349.8	346.8	344.1	341.4	339.0	336.9	334.8	333.9	331.8	328.8
17.5°	350.1	346.8	342.9	339.6	336.0	333.0	331.2	329.1	327.6	326.4	322.2
20°	344.7	339.9	333.9	330.0	325.2	321.3	320.1	318.0	316.8	312.3	306.9
22.5°	330.6	323.7	316.2	310.5	305.1	301.2	298.2	296.1	293.1	290.4	282.0
25°	312.9	305.1	297.3	290.4	283.2	277.2	271.8	266.7	265.2	259.5	251.4
27.5°	295.8	287.1	279.3	271.2	261.9	254.4	245.1	237.9	233.1	227.1	219.6
30°	277.5	268.8	258.3	247.5	236.7	228.6	218.1	209.4	203.4	197.1	190.2
32.5°	254.4	243.9	231.3	219.3	209.4	199.8	189.3	180.9	174.9	169.2	162.6
35°	228.0	214.2	200.7	187.5	177.0	168.9	159.6	153.3	149.1	144.0	137.1
37.5°	197.7	182.1	167.7	157.5	148.2	140.4	133.8	129.9	125.4	122.7	118.5
40°	167.1	151.8	137.7	128.4	120.6	116.1	112.5	111.6	108.6	105.0	102.3
42.5°	140.1	125.4	111.6	104.1	99.0	97.8	96.0	96.0	94.5	91.8	90.0
45°	121.8	106.5	94.5	89.1	86.4	86.1	85.2	85.2	84.9	83.7	81.6
47.5°	108.6	94.8	85.5	82.2	81.6	81.0	80.1	79.8	79.5	78.6	77.4
50°	96.6	84.9	78.9	77.4	77.7	76.8	75.9	75.0	74.7	73.8	72.6
52.5°	85.5	77.1	73.2	72.3	72.3	72.3	71.7	71.7	71.1	70.8	69.6
55°	79.2	72.9	70.8	70.5	70.2	69.9	69.3	69.3	68.7	68.4	66.9
57.5°	73.8	69.9	68.7	68.1	67.8	67.2	66.9	66.9	66.9	66.9	65.1
60°	69.6	67.8	67.5	66.9	66.6	65.4	64.8	64.5	64.8	65.1	63.3
62.5°	65.1	64.8	64.5	63.9	63.6	62.4	61.5	60.9	61.5	62.1	61.8
63°	63.9	63.6	63.6	63.3	63.0	61.5	60.6	60.0	60.6	61.2	61.2
65°	59.7	60.0	60.0	59.7	59.4	58.5	57.3	56.7	57.0	57.9	58.2
67.5°	55.2	55.5	55.2	55.5	55.2	54.6	53.7	53.1	52.8	53.1	53.4
70°	51.0	51.6	51.3	51.0	50.7	50.7	50.1	49.2	48.9	48.6	48.6
72.5°	47.4	47.4	46.8	46.8	46.5	46.5	45.9	45.0	44.7	44.7	44.1
75°	43.5	43.5	42.6	42.6	42.0	42.3	41.7	40.8	40.5	40.5	40.2
77.5°	41.1	40.2	38.7	38.4	38.1	38.1	37.8	36.9	36.6	36.6	36.3
80°	36.3	34.5	33.0	32.7	33.0	33.6	33.6	33.0	33.0	33.0	33.0
82.5°	28.2	27.6	26.7	26.1	26.1	27.0	28.2	28.8	29.4	30.0	30.0
85°	20.7	21.0	20.7	19.8	19.5	20.4	21.6	22.8	23.1	24.3	24.0
87.5°	11.1	11.4	10.5	10.2	11.1	11.7	12.9	13.2	13.8	14.1	14.4
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7
2.5°	318.9	318.6	318.9	318.3	318.3	317.7	317.1	316.8	316.2	315.9	315.3
5°	324.3	323.4	322.5	322.2	321.0	319.8	318.9	317.4	316.2	314.1	313.5
7.5°	327.9	325.8	324.6	324.3	322.5	321.6	319.5	317.7	315.9	313.2	312.3
10°	329.4	327.3	325.2	324.3	322.2	320.7	318.6	315.9	314.4	311.7	311.1
12.5°	331.2	327.3	324.0	321.6	318.6	315.3	313.2	311.7	309.6	308.1	307.5
15°	327.9	322.8	317.7	313.2	308.4	304.8	302.7	300.3	297.9	297.0	297.0
17.5°	318.9	312.3	303.6	297.9	292.8	288.9	286.2	283.8	283.5	282.3	282.9
20°	300.3	291.6	283.2	279.0	276.0	273.6	270.9	269.7	268.8	267.0	266.4
22.5°	274.5	267.3	261.3	258.3	255.9	252.9	250.5	246.9	246.0	244.2	243.3
25°	246.0	240.3	235.2	233.1	231.6	227.4	225.9	221.1	217.8	215.7	216.9
27.5°	217.5	213.3	208.5	205.8	204.9	201.0	199.5	194.1	191.4	191.4	188.4
30°	188.1	184.2	181.2	178.2	177.6	172.8	168.9	166.8	163.8	162.6	160.5
32.5°	160.5	156.6	154.2	152.7	150.3	146.4	142.5	138.9	134.1	132.3	131.4
35°	135.0	132.0	129.0	127.8	124.5	120.3	115.5	112.5	106.8	104.7	103.8
37.5°	115.5	111.9	109.8	106.5	103.2	98.7	95.1	92.4	90.3	89.4	89.4
40°	99.9	97.2	94.8	92.1	89.4	87.0	85.2	84.6	84.3	84.3	84.9
42.5°	88.2	85.8	84.6	83.1	82.2	82.2	81.9	82.2	82.5	82.8	83.7
45°	80.4	78.9	78.3	78.0	78.6	79.2	79.5	80.1	81.3	81.9	82.2
47.5°	76.2	75.0	74.7	75.0	75.9	77.1	78.3	79.2	80.1	80.4	80.7
50°	72.0	70.5	69.9	70.5	71.7	73.5	74.4	75.9	76.5	77.1	76.5
52.5°	68.4	67.2	66.9	66.9	68.1	69.3	70.5	71.7	72.0	72.0	71.7
55°	65.4	64.5	63.6	64.2	65.1	66.3	68.1	69.0	69.6	69.9	69.9
57.5°	63.0	62.1	61.2	61.8	62.7	63.9	65.7	66.6	67.2	68.1	68.4
60°	61.2	60.0	59.1	60.0	60.9	62.7	64.2	65.1	66.6	66.9	66.9
62.5°	59.4	58.2	56.7	57.6	57.6	58.5	60.0	61.2	62.7	63.3	63.3
63°	59.1	57.9	56.4	57.0	57.0	57.6	58.8	60.0	61.8	62.4	62.1
65°	56.7	56.4	54.9	54.9	54.3	54.9	55.8	57.0	57.9	58.8	58.8
67.5°	52.8	52.5	52.2	52.2	52.2	52.8	53.4	54.3	55.2	55.8	55.5
70°	48.3	48.3	48.3	48.6	48.6	49.2	49.5	49.2	50.1	50.7	50.4
72.5°	44.4	44.1	43.8	44.4	44.1	44.1	44.7	44.4	45.3	45.3	45.6
75°	40.2	39.9	39.9	40.2	39.6	39.0	39.3	39.3	39.6	39.6	40.2
77.5°	36.6	36.6	36.6	36.3	35.7	35.4	35.1	35.1	35.1	35.1	35.4
80°	33.3	33.3	33.3	33.0	32.4	31.8	31.2	30.9	30.6	29.1	29.1
82.5°	30.0	30.0	30.0	30.0	29.7	29.1	28.2	25.8	24.6	23.4	23.7
85°	23.7	24.3	24.9	25.8	25.5	25.5	23.7	20.7	18.9	17.7	18.0
87.5°	15.3	13.5	13.5	13.2	12.6	12.0	12.0	10.2	8.4	7.5	7.8
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	314.7	0°
2.5°	315.3	314.7	314.1	314.1	313.2	313.2	312.6	313.8	312.6	311.7	311.7	2.5°
5°	312.9	312.3	310.5	310.2	309.0	309.0	309.0	308.4	308.4	307.8	307.5	5°
7.5°	311.4	309.9	308.4	307.5	307.5	306.9	308.1	307.5	307.8	307.8	308.1	7.5°
10°	310.2	309.0	308.4	308.1	308.1	309.0	309.9	310.2	309.9	310.2	310.2	10°
12.5°	307.2	307.8	308.1	309.3	310.8	312.6	314.7	315.0	315.6	315.6	316.2	12.5°
15°	297.6	299.1	300.9	303.9	307.8	311.7	315.6	318.9	321.9	323.4	324.6	15°
17.5°	284.1	285.6	288.9	292.2	297.3	303.0	309.6	315.3	321.6	327.3	333.0	17.5°
20°	265.8	268.2	269.1	275.1	281.1	288.9	296.7	305.7	316.5	327.3	338.4	20°
22.5°	242.1	244.8	249.0	253.8	260.1	269.7	279.0	293.1	307.5	322.8	340.2	22.5°
25°	215.7	218.7	222.3	227.4	233.7	243.9	257.4	272.4	290.1	310.2	331.8	25°
27.5°	188.4	191.4	194.4	198.0	205.2	216.0	231.9	247.5	267.0	288.9	314.1	27.5°
30°	161.1	161.4	163.2	167.7	175.2	189.3	201.0	220.5	240.9	264.0	293.1	30°
32.5°	131.1	130.8	132.9	136.8	144.0	157.5	171.9	190.8	210.9	240.0	270.0	32.5°
35°	104.4	104.4	108.3	112.2	120.3	129.9	142.5	159.3	183.0	210.0	240.0	35°
37.5°	90.3	92.4	94.8	98.7	105.0	112.5	123.6	138.3	156.9	182.7	210.3	37.5°
40°	85.8	87.0	89.1	92.7	98.1	105.0	113.1	124.2	138.6	159.3	184.5	40°
42.5°	84.0	84.3	85.5	88.2	93.0	99.9	108.3	118.2	129.0	143.7	165.6	42.5°
45°	82.2	81.9	82.5	84.6	88.5	96.3	105.9	116.7	127.5	139.8	157.8	45°
47.5°	80.7	80.7	80.7	81.6	85.2	93.0	104.1	116.7	129.6	143.4	161.1	47.5°
50°	76.5	76.2	76.2	76.8	79.5	87.9	101.1	116.4	133.2	151.2	171.3	50°
52.5°	71.7	71.7	72.0	72.3	74.7	83.1	97.8	116.4	137.4	161.4	186.6	52.5°
55°	70.2	70.5	70.8	70.5	72.3	79.5	94.2	114.6	139.2	169.5	203.1	55°
57.5°	69.0	69.6	69.6	69.3	70.5	76.5	90.6	111.0	137.7	172.5	214.8	57.5°
60°	67.2	67.2	67.2	66.3	66.9	72.3	85.2	105.3	132.9	169.8	216.6	60°
62.5°	63.3	63.3	62.7	62.4	62.1	66.3	78.0	96.9	124.2	162.6	212.1	62.5°
63°	62.4	62.1	62.1	61.2	61.2	65.1	76.5	95.7	121.8	160.8	210.3	63°
65°	59.1	59.1	59.1	58.5	58.2	61.2	70.5	87.3	112.5	152.4	201.3	65°
67.5°	55.5	55.8	55.2	54.9	54.6	56.4	63.6	76.8	98.1	134.7	184.5	67.5°
70°	50.4	50.7	50.7	50.4	50.1	51.3	55.8	66.0	81.3	112.2	157.2	70°
72.5°	45.9	46.5	46.5	47.1	47.1	48.0	49.8	54.9	65.1	87.6	123.6	72.5°
75°	41.1	41.4	42.0	42.6	42.0	41.7	42.0	45.9	51.0	64.8	88.2	75°
77.5°	36.9	37.8	37.8	37.5	36.6	36.0	36.0	37.8	42.0	49.2	63.0	77.5°
80°	30.6	32.1	32.4	31.5	30.6	30.6	31.2	32.4	35.1	40.5	47.7	80°
82.5°	24.6	26.1	26.4	26.7	26.4	27.3	27.3	27.6	29.1	33.3	39.0	82.5°
85°	18.9	20.1	21.0	21.3	21.6	21.9	21.6	20.1	21.0	23.7	26.4	85°
87.5°	8.4	8.7	8.1	8.4	8.1	8.4	8.7	7.2	6.9	9.3	9.6	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
314.7	314.7	314.7	314.7	314.7	314.7	314.7
311.4	311.4	311.7	311.1	311.1	311.4	310.5
306.6	307.8	307.8	307.8	307.2	307.8	308.1
307.8	308.7	309.3	309.3	309.0	310.2	311.1
309.3	310.8	311.4	311.4	311.4	312.9	315.0
315.0	316.2	317.1	317.1	317.7	319.5	321.9
325.5	327.0	327.0	326.7	328.5	330.6	333.3
337.2	341.4	343.5	343.2	344.7	347.4	350.4
348.3	360.0	365.1	368.7	370.2	373.8	374.7
357.6	377.1	391.2	403.2	408.9	412.5	416.7
354.3	380.7	405.9	430.5	447.9	465.6	473.1
340.8	373.8	406.8	442.8	474.3	505.8	528.6
324.3	363.9	408.3	459.3	509.1	557.4	595.8
305.4	354.6	411.6	474.6	540.0	603.3	658.8
281.7	336.9	403.5	476.1	553.2	630.0	702.0
251.7	312.9	384.6	465.3	553.8	641.7	727.8
221.7	282.6	360.6	449.7	546.0	644.4	744.0
200.7	255.6	336.3	429.9	533.4	640.2	751.8
186.3	236.1	314.7	411.9	519.9	632.7	753.0
185.1	227.7	300.6	398.7	509.1	626.1	753.0
195.3	232.2	295.8	392.1	504.6	624.0	753.6
214.5	250.2	304.5	397.2	508.2	626.7	756.3
237.6	277.5	327.9	414.9	523.5	635.7	762.3
258.6	309.0	367.8	449.1	551.4	658.5	779.1
270.9	336.0	410.1	497.1	599.1	703.8	812.7
272.4	351.0	447.6	549.3	657.0	755.7	866.4
271.2	352.2	452.4	559.2	669.3	768.6	885.0
264.6	352.5	465.9	594.0	711.9	822.9	937.0
247.8	342.9	470.7	621.3	765.6	894.3	1033.9
218.7	315.6	456.6	621.9	786.3	934.3	1095.1
175.8	263.7	395.7	565.8	731.7	894.9	1079.2
128.7	193.8	299.1	438.3	597.0	744.9	924.4
85.5	125.4	201.6	312.3	428.1	536.1	665.4
58.8	77.7	117.9	187.8	261.9	314.4	423.9
43.2	51.3	65.4	96.0	126.0	155.1	221.4
27.0	29.4	32.7	47.4	67.8	91.5	138.0
7.2	7.5	6.9	9.3	14.7	14.1	15.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)