

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: P181086

Luminaire Tested: **ICM-E04-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181086
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: ICM-E04-LED-E1-SLR-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8738.2 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 97.2
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

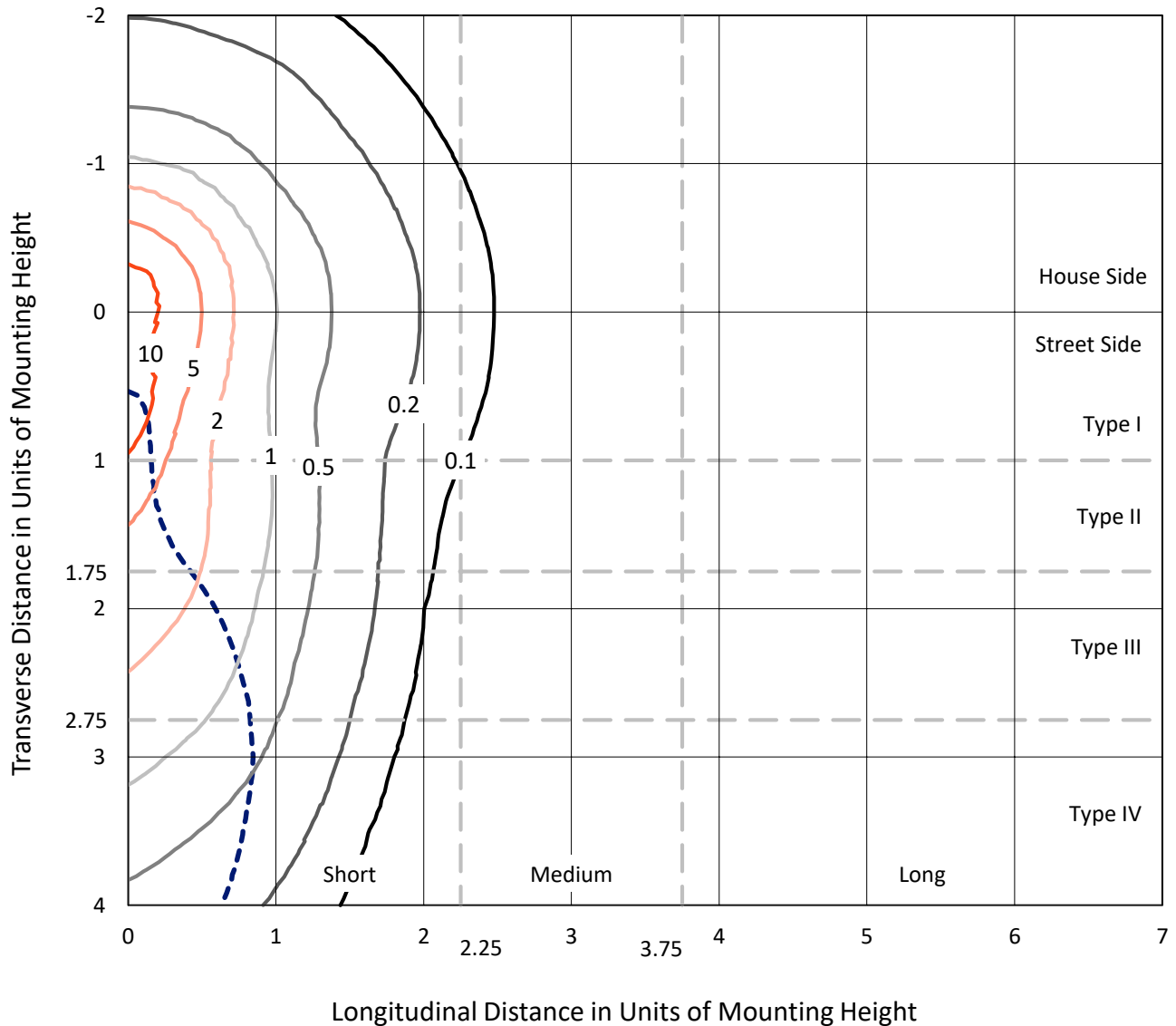


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Iso-Footcandle Lines of Horizontal Illumination

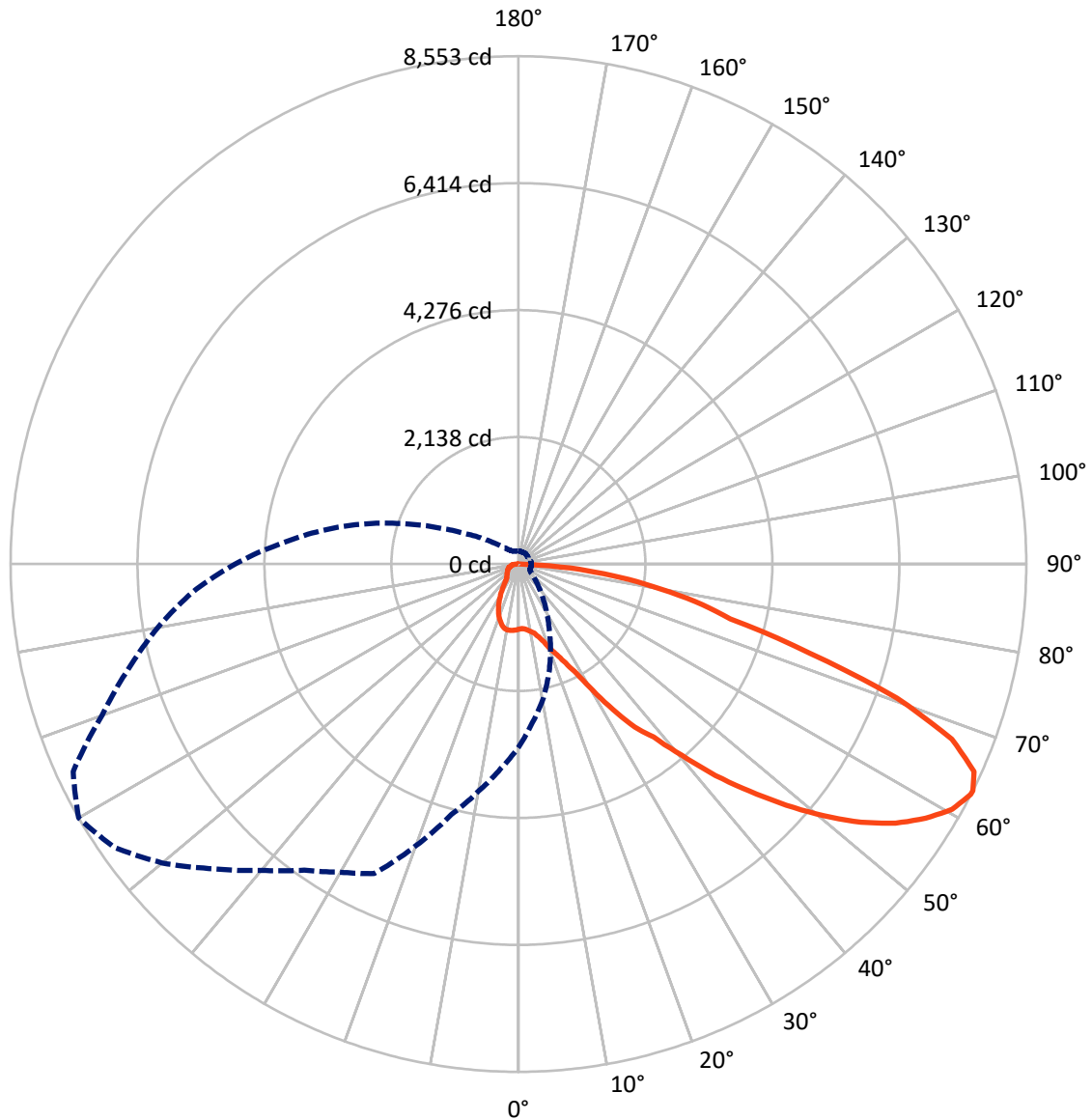
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1894.8	0.0	1894.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6843.3	0.0	6843.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	8738.2	0.0	8738.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	1.2
10°-20°	332.9	3.8
20°-30°	591.4	6.8
30°-40°	931.4	10.7
40°-50°	1370.7	15.7
50°-60°	1820.7	20.8
60°-70°	2005.5	23.0
70°-80°	1258.2	14.4
80°-90°	320.5	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°	8738.2	100.0
0°-180°	8738.2	100.0

Coefficient of Utilization



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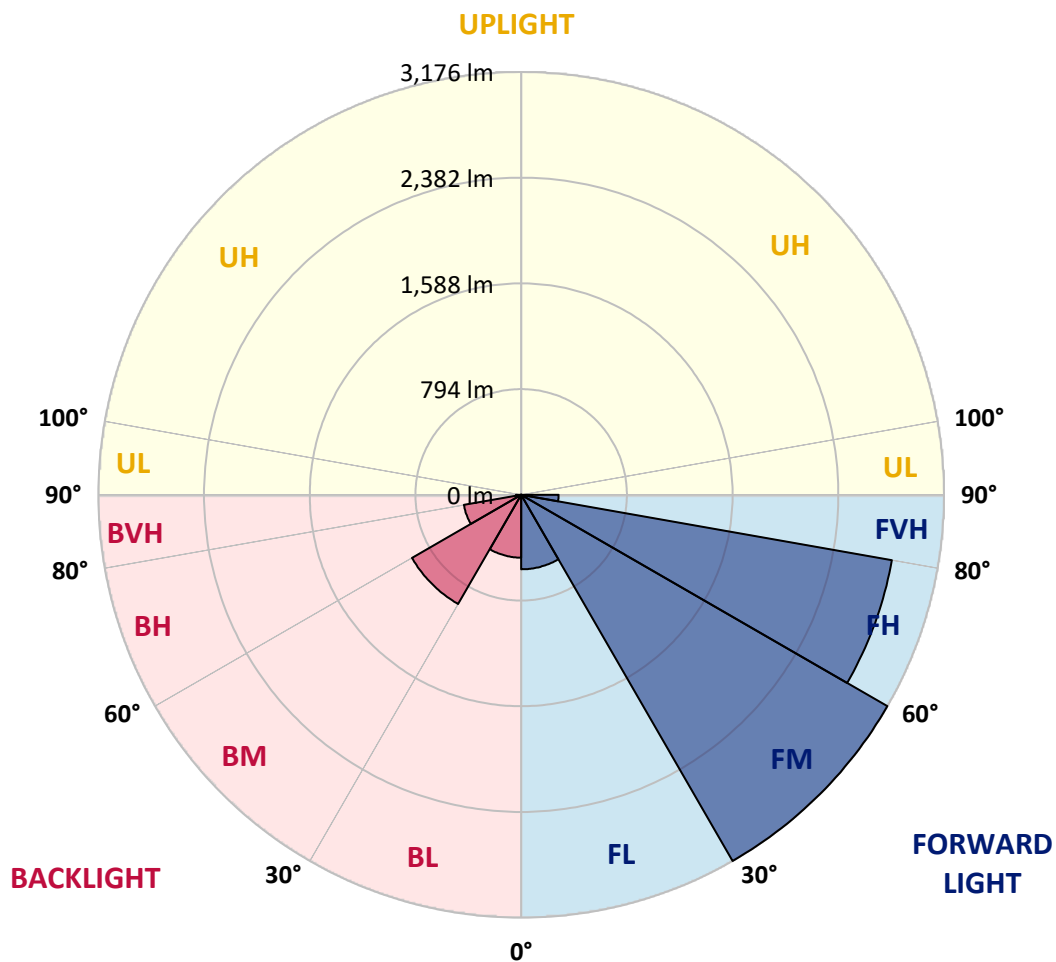
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.5	6.4			
FM (30°-60°)	3175.7	36.3			
FH (60°-80°)	2826.9	32.4			G2/5000
FVH (80°-90°)	281.2	3.2			G3/500
BL (0°-30°)	471.7	5.4	B1/500		
BM (30°-60°)	947.1	10.8	B1/1000		
BH (60°-80°)	436.8	5.0	B1/500		G1/500
BVH (80°-90°)	39.2	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1083.4	1086.6	1085.6	1085.6	1087.6	1086.6	1086.6	1087.6	1087.6	1090.8	1095.0
5°	1075.1	1074.1	1071.9	1074.1	1074.1	1074.1	1069.9	1073.0	1074.1	1076.1	1076.1
7.5°	1085.6	1082.4	1078.2	1079.3	1079.3	1077.2	1074.1	1075.1	1074.1	1074.1	1073.0
10°	1099.2	1091.8	1086.6	1086.6	1086.6	1084.5	1079.3	1082.4	1082.4	1081.4	1082.4
12.5°	1123.3	1114.9	1108.6	1106.5	1106.5	1103.4	1099.2	1103.4	1101.2	1101.2	1099.2
15°	1163.0	1153.6	1146.2	1140.0	1141.0	1141.0	1135.8	1132.7	1128.5	1123.3	1112.8
17.5°	1222.7	1212.2	1202.8	1197.6	1198.6	1191.3	1176.7	1162.0	1142.1	1122.1	1100.2
20°	1307.4	1304.4	1291.7	1286.5	1274.0	1256.2	1215.4	1180.8	1142.1	1104.4	1066.7
22.5°	1454.1	1439.4	1426.8	1406.9	1365.0	1315.8	1247.8	1187.1	1126.3	1073.0	1022.7
25°	1650.8	1624.7	1562.9	1502.1	1416.4	1328.4	1236.3	1157.8	1082.4	1012.3	950.5
27.5°	1844.5	1764.9	1655.0	1545.1	1419.5	1304.4	1189.2	1096.0	1008.1	931.6	863.6
30°	2079.0	1944.9	1776.5	1602.7	1424.8	1269.8	1131.6	1022.7	921.2	840.6	769.4
32.5°	2298.8	2105.1	1884.3	1656.1	1436.2	1237.3	1065.7	942.1	837.5	735.9	665.8
35°	2449.6	2198.3	1930.3	1661.3	1408.0	1175.5	983.0	837.5	732.7	638.5	555.8
37.5°	2539.6	2239.2	1932.4	1623.6	1342.1	1091.8	878.2	733.9	637.5	547.4	482.6
40°	2596.1	2248.6	1905.2	1569.2	1258.2	986.1	773.6	643.8	555.8	483.6	433.4
42.5°	2623.4	2233.9	1861.2	1500.1	1173.5	891.9	700.3	577.9	501.4	450.1	412.5
45°	2627.6	2207.7	1814.2	1437.3	1098.1	823.8	650.1	550.6	487.8	444.9	407.2
47.5°	2627.6	2184.7	1776.5	1391.3	1048.9	794.5	645.9	562.1	500.4	452.2	407.2
50°	2629.6	2177.4	1760.8	1368.2	1032.2	810.2	681.5	597.8	527.6	464.7	406.1
52.5°	2639.0	2186.8	1773.3	1386.0	1062.5	873.0	748.5	651.1	563.2	479.4	406.1
55°	2659.9	2218.2	1826.7	1447.7	1144.2	968.3	829.1	708.7	591.4	485.7	399.9
57.5°	2718.6	2297.8	1924.0	1567.1	1283.4	1078.2	902.3	749.5	602.0	480.5	387.4
60°	2835.8	2455.8	2090.5	1734.6	1431.0	1172.5	945.3	755.8	592.5	463.7	367.4
62.5°	3023.2	2636.9	2292.6	1916.8	1561.9	1224.8	950.5	740.1	567.4	433.4	338.1
63°	3088.1	2682.0	2335.5	1951.3	1578.6	1228.9	946.3	733.9	561.1	425.0	334.0
65°	3269.2	2871.5	2484.1	2072.7	1625.7	1230.1	923.3	702.4	531.8	392.6	304.7
67.5°	3607.4	3120.6	2671.5	2167.9	1642.4	1196.5	864.7	643.8	470.0	342.3	268.0
70°	3820.9	3259.8	2743.7	2170.1	1593.2	1101.2	763.2	548.6	391.5	283.7	230.3
72.5°	3765.4	3122.6	2553.2	1974.3	1380.8	920.2	613.4	431.3	305.7	227.2	191.5
75°	3225.2	2599.3	2083.2	1529.4	1043.6	676.3	449.1	307.7	226.1	178.0	160.2
77.5°	2321.9	1870.6	1493.8	1089.8	703.4	437.6	298.3	219.8	171.7	146.5	131.9
80°	1479.2	1097.0	913.9	655.4	411.4	271.2	205.2	166.4	141.3	122.5	113.0
82.5°	772.6	541.2	439.6	335.0	228.2	179.0	150.7	136.1	116.2	101.6	96.3
85°	481.5	319.3	236.6	165.4	114.1	102.6	94.2	92.1	82.7	73.3	70.1
87.5°	54.4	49.2	51.3	32.5	24.1	26.1	25.1	33.5	32.5	24.1	25.1
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°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1090.8	1092.8	1092.8	1096.0	1096.0	1098.1	1100.2	1100.2	1102.3	1103.4	1105.4
5°	1078.2	1078.2	1078.2	1082.4	1083.4	1089.8	1091.8	1094.0	1096.0	1103.4	1107.5
7.5°	1075.1	1070.9	1073.0	1073.0	1076.1	1081.4	1086.6	1089.8	1092.8	1102.3	1108.6
10°	1081.4	1078.2	1075.1	1075.1	1076.1	1078.2	1082.4	1085.6	1087.6	1097.0	1102.3
12.5°	1098.1	1090.8	1084.5	1079.3	1075.1	1074.1	1071.9	1073.0	1075.1	1080.3	1087.6
15°	1101.2	1087.6	1074.1	1060.5	1050.0	1043.6	1038.4	1036.4	1036.4	1039.4	1047.8
17.5°	1080.3	1057.3	1037.4	1019.6	1008.1	996.6	991.4	987.2	985.0	989.2	990.3
20°	1035.3	1008.1	980.8	959.9	939.0	935.8	927.4	929.6	931.6	938.0	941.1
22.5°	973.5	941.1	907.6	885.6	868.8	854.2	844.7	848.9	852.1	858.4	861.5
25°	898.1	851.1	815.4	793.5	775.7	763.2	752.7	756.8	752.7	760.0	771.5
27.5°	809.2	753.7	716.0	690.9	678.3	667.9	657.4	657.4	667.9	667.9	677.3
30°	701.4	660.6	611.4	585.2	569.5	563.2	562.1	560.0	567.4	571.5	582.1
32.5°	599.8	549.6	502.5	477.3	463.7	456.4	457.5	458.5	461.7	467.9	484.7
35°	497.2	453.3	419.8	391.5	377.9	364.3	364.3	362.2	365.3	372.7	392.6
37.5°	431.3	392.6	366.4	344.4	330.8	322.4	315.1	311.9	311.9	315.1	322.4
40°	394.6	366.4	342.3	323.4	310.9	303.5	299.4	296.3	294.1	294.1	295.2
42.5°	377.9	348.6	324.5	307.7	298.3	294.1	293.1	292.1	288.9	287.9	286.8
45°	369.5	336.0	308.8	295.2	287.9	285.8	286.8	286.8	285.8	283.7	279.5
47.5°	363.3	324.5	297.3	284.7	281.6	281.6	281.6	281.6	280.6	279.5	276.4
50°	352.7	306.7	277.4	268.0	265.9	265.9	267.0	267.0	269.0	267.0	264.8
52.5°	341.3	290.0	260.7	252.3	251.3	250.2	250.2	250.2	251.3	251.3	250.2
55°	328.7	277.4	252.3	246.0	247.1	246.0	244.9	243.9	243.9	242.9	240.7
57.5°	316.1	267.0	246.0	241.8	242.9	242.9	240.7	238.7	237.6	234.5	232.4
60°	297.3	252.3	233.4	231.4	234.5	234.5	234.5	233.4	233.4	232.4	227.2
62.5°	272.2	231.4	216.7	217.8	218.8	220.8	220.8	220.8	220.8	218.8	213.6
63°	267.0	227.2	213.6	213.6	216.7	216.7	217.8	216.7	217.8	215.6	209.4
65°	246.0	213.6	203.1	204.1	206.2	206.2	206.2	205.2	205.2	202.0	198.9
67.5°	222.0	196.8	190.5	191.5	192.7	194.7	193.7	193.7	194.7	192.7	189.5
70°	194.7	179.0	174.8	175.9	176.9	176.9	175.9	175.9	176.9	174.8	171.7
72.5°	173.8	167.5	164.4	164.4	162.2	162.2	160.2	159.1	158.0	158.0	154.9
75°	146.5	145.5	146.5	148.7	146.5	144.5	143.4	140.3	138.1	138.1	137.1
77.5°	125.6	125.6	127.7	130.9	131.9	131.9	128.7	123.5	122.5	122.5	122.5
80°	108.8	106.8	106.8	110.0	113.0	112.0	106.8	101.6	101.6	106.8	107.8
82.5°	95.3	95.3	92.1	93.2	92.1	91.1	85.9	82.7	81.7	85.9	90.0
85°	75.3	76.4	75.3	74.3	73.3	70.1	66.0	62.8	61.8	66.0	72.2
87.5°	30.3	29.3	28.3	29.3	28.3	30.3	29.3	27.3	26.1	29.3	35.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1106.5	1108.6	1110.7	1110.7	1112.8	1111.7	1112.8	1113.8	1113.8	1114.9	1114.9
5°	1112.8	1115.9	1120.1	1124.3	1125.3	1128.5	1131.6	1129.5	1132.7	1136.8	1136.8
7.5°	1114.9	1122.1	1125.3	1131.6	1132.7	1136.8	1144.2	1138.9	1145.2	1148.4	1149.4
10°	1111.7	1119.1	1124.3	1131.6	1134.7	1142.1	1149.4	1147.4	1154.6	1159.9	1160.9
12.5°	1092.8	1100.2	1111.7	1122.1	1130.5	1142.1	1155.7	1151.5	1162.0	1168.3	1171.4
15°	1056.2	1063.5	1076.1	1092.8	1108.6	1126.3	1144.2	1147.4	1157.8	1165.1	1168.3
17.5°	998.7	1008.1	1021.7	1039.4	1059.4	1089.8	1112.8	1124.3	1138.9	1143.2	1148.4
20°	945.3	954.7	963.1	973.5	988.2	1017.5	1047.8	1070.9	1089.8	1105.4	1109.6
22.5°	874.1	882.4	892.9	901.3	911.8	932.7	957.9	984.0	1013.3	1022.7	1033.2
25°	788.3	793.5	808.1	813.4	820.7	838.5	858.4	877.2	905.5	925.4	930.6
27.5°	696.1	701.4	715.0	718.1	727.5	744.3	759.0	766.2	792.5	813.4	830.1
30°	589.4	603.0	619.7	621.8	632.3	642.7	656.4	663.7	687.7	709.8	730.7
32.5°	497.2	510.9	524.5	532.8	538.0	546.4	560.0	567.4	590.4	610.3	631.3
35°	403.0	419.8	434.4	446.0	450.1	460.6	471.1	478.4	502.5	520.3	534.9
37.5°	331.8	344.4	360.1	371.6	383.2	390.4	403.0	413.5	428.2	437.6	453.3
40°	297.3	303.5	311.9	321.4	330.8	339.2	348.6	356.9	366.4	379.0	389.4
42.5°	285.8	286.8	286.8	290.0	295.2	299.4	307.7	314.0	320.3	329.8	335.0
45°	277.4	276.4	274.2	272.2	273.2	275.4	280.6	284.7	292.1	296.3	297.3
47.5°	273.2	269.0	264.8	261.7	260.7	261.7	265.9	270.0	274.2	277.4	278.4
50°	259.6	256.5	250.2	246.0	243.9	246.0	251.3	253.3	257.5	260.7	261.7
52.5°	246.0	241.8	237.6	233.4	233.4	234.5	238.7	242.9	247.1	248.1	250.2
55°	237.6	231.4	227.2	224.0	222.0	225.0	228.2	233.4	238.7	239.7	241.8
57.5°	229.2	223.0	218.8	215.6	213.6	216.7	219.8	227.2	233.4	233.4	233.4
60°	224.0	218.8	212.5	209.4	206.2	209.4	213.6	220.8	227.2	226.1	225.0
62.5°	209.4	204.1	201.0	201.0	197.9	203.1	207.3	215.6	216.7	214.6	212.5
63°	205.2	201.0	198.9	198.9	196.8	202.0	206.2	213.6	213.6	211.4	209.4
65°	194.7	191.5	189.5	191.5	191.5	196.8	197.9	203.1	202.0	198.9	197.9
67.5°	186.3	184.3	182.1	182.1	182.1	183.2	184.3	186.3	185.3	184.3	185.3
70°	172.7	171.7	169.6	169.6	168.6	168.6	168.6	169.6	169.6	170.6	171.7
72.5°	156.0	153.9	153.9	154.9	152.8	153.9	154.9	153.9	156.0	156.0	157.0
75°	137.1	136.1	138.1	140.3	139.3	139.3	140.3	140.3	141.3	141.3	142.3
77.5°	122.5	123.5	124.6	126.7	127.7	127.7	127.7	126.7	127.7	127.7	128.7
80°	108.8	111.0	113.0	115.2	116.2	116.2	116.2	115.2	115.2	115.2	115.2
82.5°	98.4	101.6	103.6	104.7	104.7	104.7	104.7	104.7	104.7	102.6	100.5
85°	82.7	89.0	89.0	90.0	86.9	84.8	82.7	83.7	84.8	80.6	79.5
87.5°	41.9	41.9	44.0	46.0	47.1	47.1	53.4	50.2	49.2	48.2	46.0
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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CATALOG NUMBER: ICM-E04-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1115.9	1114.9	1116.9	1114.9	1115.9	1116.9	1114.9	1118.0	1120.1	1116.9	1113.8
5°	1138.9	1138.9	1144.2	1146.2	1147.4	1153.6	1150.4	1152.6	1154.6	1153.6	1154.6
7.5°	1153.6	1157.8	1163.0	1168.3	1169.3	1174.5	1173.5	1176.7	1178.7	1183.9	1183.9
10°	1166.1	1171.4	1178.7	1183.9	1189.2	1193.4	1195.4	1201.8	1202.8	1207.0	1207.0
12.5°	1177.7	1183.9	1191.3	1199.6	1204.8	1213.2	1214.3	1223.7	1226.9	1227.9	1224.8
15°	1175.5	1182.9	1191.3	1200.7	1210.1	1220.6	1226.9	1236.3	1241.5	1243.6	1238.4
17.5°	1155.7	1162.0	1172.5	1185.0	1196.5	1210.1	1221.6	1235.3	1243.6	1245.7	1244.7
20°	1116.9	1121.1	1134.7	1151.5	1165.1	1186.1	1202.8	1223.7	1237.3	1247.8	1251.0
22.5°	1040.6	1051.0	1064.7	1083.4	1103.4	1129.5	1153.6	1183.9	1213.2	1238.4	1263.5
25°	948.4	967.3	988.2	1013.3	1037.4	1064.7	1091.8	1126.3	1169.3	1221.6	1281.3
27.5°	855.3	887.7	913.9	946.3	974.6	1001.8	1032.2	1069.9	1116.9	1179.7	1256.2
30°	761.0	797.7	826.0	863.6	901.3	938.0	968.3	1008.1	1054.1	1118.0	1201.8
32.5°	660.6	697.2	730.7	765.2	807.1	851.1	887.7	936.9	986.1	1052.0	1136.8
35°	556.9	589.4	617.6	654.2	700.3	747.4	795.5	852.1	905.5	974.6	1064.7
37.5°	466.9	490.0	517.1	549.6	585.2	635.4	689.9	756.8	817.6	892.9	985.0
40°	392.6	405.1	420.8	448.0	480.5	529.7	583.1	654.2	727.5	810.2	899.3
42.5°	335.0	341.3	345.5	363.3	389.4	437.6	488.8	558.0	638.5	728.6	818.6
45°	297.3	300.5	301.5	310.9	329.8	371.6	425.0	483.6	561.1	649.0	743.3
47.5°	279.5	282.6	284.7	286.8	298.3	330.8	379.0	434.4	505.6	586.2	682.5
50°	264.8	268.0	271.2	270.0	275.4	296.3	337.1	388.4	455.4	529.7	624.9
52.5°	250.2	252.3	252.3	252.3	255.4	269.0	298.3	345.5	407.2	477.3	571.5
55°	241.8	243.9	244.9	246.0	247.1	254.4	276.4	314.0	367.4	432.4	517.1
57.5°	233.4	234.5	236.6	237.6	239.7	243.9	257.5	284.7	329.8	384.2	455.4
60°	226.1	228.2	232.4	233.4	235.5	236.6	242.9	259.6	288.9	330.8	388.4
62.5°	214.6	217.8	222.0	223.0	225.0	226.1	227.2	236.6	250.2	275.4	318.2
63°	211.4	214.6	219.8	220.8	222.0	222.0	223.0	229.2	241.8	263.8	295.2
65°	199.9	204.1	207.3	208.3	209.4	209.4	208.3	210.4	211.4	220.8	239.7
67.5°	187.3	190.5	192.7	193.7	192.7	193.7	192.7	190.5	188.5	190.5	198.9
70°	174.8	176.9	176.9	178.0	179.0	180.1	178.0	175.9	173.8	172.7	178.0
72.5°	160.2	162.2	162.2	163.3	163.3	165.4	165.4	164.4	164.4	165.4	166.4
75°	145.5	147.6	146.5	148.7	148.7	151.8	151.8	152.8	154.9	153.9	152.8
77.5°	131.9	132.9	132.9	134.0	135.1	140.3	143.4	144.5	144.5	142.3	140.3
80°	117.2	117.2	115.2	114.1	115.2	120.4	126.7	127.7	130.9	129.8	130.9
82.5°	98.4	94.2	91.1	91.1	93.2	96.3	98.4	100.5	102.6	102.6	104.7
85°	75.3	71.2	68.0	69.1	72.2	73.3	72.2	72.2	76.4	79.5	76.4
87.5°	45.0	40.8	38.7	35.6	36.7	39.8	38.7	35.6	36.7	29.3	27.3
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°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1115.9	1114.9	1112.8	1109.6	1108.6	1106.5	1107.5	1104.4	1102.3	1100.2	1097.0
5°	1154.6	1154.6	1148.4	1148.4	1145.2	1144.2	1136.8	1133.7	1127.4	1129.5	1122.1
7.5°	1181.9	1185.0	1177.7	1176.7	1172.5	1171.4	1162.0	1158.8	1153.6	1151.5	1145.2
10°	1201.8	1201.8	1192.3	1185.0	1179.7	1174.5	1165.1	1160.9	1156.8	1157.8	1153.6
12.5°	1217.4	1210.1	1196.5	1186.1	1178.7	1173.5	1166.1	1163.0	1162.0	1169.3	1170.3
15°	1230.1	1219.5	1202.8	1195.4	1189.2	1188.1	1188.1	1191.3	1198.6	1212.2	1222.7
17.5°	1237.3	1231.1	1222.7	1220.6	1231.1	1237.3	1245.7	1255.2	1265.6	1284.5	1295.9
20°	1251.0	1255.2	1261.4	1269.8	1286.5	1302.2	1312.8	1326.3	1338.9	1361.9	1380.8
22.5°	1286.5	1310.6	1330.5	1347.3	1372.4	1394.3	1408.0	1426.8	1436.2	1451.9	1481.2
25°	1332.6	1381.8	1423.6	1459.3	1498.0	1521.0	1539.8	1563.9	1578.6	1604.8	1631.0
27.5°	1319.0	1389.1	1451.9	1517.9	1571.3	1631.0	1672.8	1712.6	1737.7	1776.5	1811.0
30°	1277.1	1360.8	1445.7	1532.6	1617.3	1703.2	1782.7	1855.0	1910.4	1966.0	2022.4
32.5°	1220.6	1316.9	1420.6	1527.3	1638.2	1757.6	1867.5	1976.4	2068.5	2149.1	2227.6
35°	1155.7	1264.6	1372.4	1504.3	1641.4	1793.2	1946.1	2096.8	2237.0	2379.5	2475.7
37.5°	1078.2	1189.2	1309.6	1461.3	1622.5	1810.0	2004.7	2201.5	2400.4	2591.9	2758.3
40°	995.5	1108.6	1235.3	1399.6	1581.8	1799.5	2042.3	2307.2	2580.4	2857.8	3078.7
42.5°	922.2	1038.4	1176.7	1343.1	1540.9	1785.9	2072.7	2398.2	2732.2	3075.6	3400.0
45°	851.1	978.8	1124.3	1303.3	1523.1	1796.4	2117.7	2483.1	2868.3	3285.0	3680.6
47.5°	787.2	917.0	1058.3	1254.1	1496.9	1801.6	2161.7	2567.8	2997.0	3448.2	3918.3
50°	729.6	855.3	994.5	1191.3	1456.1	1798.4	2201.5	2644.3	3108.0	3577.0	4101.4
52.5°	673.1	800.8	943.2	1130.5	1405.9	1780.7	2220.3	2707.1	3210.6	3706.8	4249.0
55°	617.6	743.3	886.6	1073.0	1339.9	1734.6	2218.2	2747.9	3292.2	3829.2	4391.4
57.5°	552.7	672.1	812.3	1009.1	1269.8	1663.4	2186.8	2766.7	3362.3	3950.7	4562.0
60°	472.1	584.1	719.2	916.0	1177.7	1572.3	2120.9	2756.3	3403.2	4040.7	4707.6
62.5°	372.7	470.0	593.6	786.1	1062.5	1441.5	1997.3	2661.0	3338.3	4028.1	4775.6
63°	351.7	443.8	564.2	754.8	1013.3	1405.9	1960.7	2623.4	3306.9	4002.0	4766.2
65°	282.6	342.3	438.6	609.2	847.9	1231.1	1778.5	2429.7	3138.3	3817.7	4630.1
67.5°	216.7	247.1	298.3	417.7	599.8	968.3	1440.4	2059.1	2723.8	3362.3	4191.5
70°	185.3	198.9	220.8	277.4	381.0	611.4	1011.3	1535.6	2111.5	2665.2	3410.5
72.5°	168.6	174.8	186.3	210.4	261.7	366.4	644.8	999.7	1436.2	1900.0	2475.7
75°	154.9	160.2	169.6	182.1	201.0	243.9	367.4	611.4	933.8	1247.8	1670.7
77.5°	141.3	144.5	154.9	166.4	179.0	201.0	242.9	351.7	537.0	735.9	1007.1
80°	129.8	127.7	135.1	153.9	166.4	179.0	191.5	228.2	305.7	403.0	544.4
82.5°	103.6	105.8	112.0	130.9	136.1	132.9	135.1	141.3	170.6	186.3	278.4
85°	70.1	64.9	63.8	66.0	66.0	62.8	62.8	61.8	68.0	77.5	132.9
87.5°	18.9	9.4	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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	0°
2.5°	1095.0	1094.0	1095.0	1089.8	1089.8	1088.7	1087.6	1085.6	1085.6	1081.4	1084.5	2.5°
5°	1115.9	1113.8	1109.6	1103.4	1100.2	1096.0	1096.0	1091.8	1088.7	1084.5	1085.6	5°
7.5°	1140.0	1141.0	1133.7	1128.5	1126.3	1122.1	1123.3	1116.9	1118.0	1114.9	1112.8	7.5°
10°	1153.6	1153.6	1155.7	1154.6	1156.8	1156.8	1159.9	1155.7	1153.6	1150.4	1150.4	10°
12.5°	1175.5	1179.7	1188.1	1188.1	1194.4	1196.5	1197.6	1199.6	1195.4	1193.4	1186.1	12.5°
15°	1230.1	1240.5	1247.8	1258.2	1270.8	1275.0	1275.0	1270.8	1268.8	1265.6	1252.0	15°
17.5°	1320.0	1343.1	1349.3	1366.1	1368.2	1373.4	1388.1	1379.7	1374.4	1352.5	1348.3	17.5°
20°	1412.2	1441.5	1470.8	1491.7	1502.1	1523.1	1526.2	1522.1	1501.1	1480.2	1470.8	20°
22.5°	1523.1	1567.1	1600.6	1633.0	1648.8	1659.2	1682.2	1677.0	1660.3	1628.8	1616.3	22.5°
25°	1680.1	1734.6	1770.2	1810.0	1830.9	1841.3	1864.4	1864.4	1846.6	1837.1	1836.1	25°
27.5°	1878.0	1944.9	2003.6	2017.2	2071.6	2084.2	2106.2	2106.2	2089.4	2078.0	2133.4	27.5°
30°	2097.8	2167.9	2269.5	2337.5	2403.5	2468.4	2467.4	2471.6	2491.5	2501.9	2526.0	30°
32.5°	2317.7	2404.6	2512.4	2659.9	2801.3	2921.7	3077.6	3177.0	3146.7	3062.0	3028.5	32.5°
35°	2584.6	2680.9	2811.7	2960.4	3219.0	3374.9	3450.3	3503.7	3510.0	3521.5	3545.6	35°
37.5°	2881.9	3043.1	3194.9	3363.5	3506.8	3696.3	3871.1	4011.4	4043.8	4109.8	4072.1	37.5°
40°	3257.7	3437.8	3596.9	3814.6	4007.2	4235.4	4485.6	4678.3	4755.7	4730.5	4542.2	40°
42.5°	3651.3	3874.3	4060.6	4317.0	4567.3	4868.8	5127.3	5396.3	5444.5	5250.8	4969.2	42.5°
45°	4013.5	4289.9	4521.2	4788.1	5093.8	5454.9	5800.4	6076.8	6067.4	5735.5	5358.6	45°
47.5°	4339.1	4678.3	4960.9	5308.4	5637.2	6067.4	6464.1	6668.2	6547.9	6155.3	5693.6	47.5°
50°	4608.1	5031.0	5379.6	5731.3	6149.0	6667.2	7049.3	7164.4	6932.0	6504.9	6019.2	50°
52.5°	4824.8	5355.5	5747.0	6152.1	6679.8	7225.2	7553.8	7510.9	7210.5	6771.9	6288.2	52.5°
55°	5007.9	5603.6	6070.5	6548.9	7203.1	7705.6	7924.4	7809.3	7389.4	6944.6	6472.5	55°
57.5°	5197.4	5844.4	6367.8	6922.6	7651.2	8082.5	8203.9	7967.3	7474.3	7010.6	6552.0	57.5°
60°	5386.9	6045.3	6630.6	7249.2	7990.4	8390.2	8356.7	8002.9	7449.2	6962.4	6498.6	60°
62.5°	5514.6	6164.7	6783.4	7450.2	8244.7	8547.2	8342.1	7876.2	7303.7	6772.9	6339.5	62.5°
63°	5517.8	6168.9	6792.8	7463.8	8273.0	8552.5	8313.8	7831.2	7257.6	6734.2	6292.4	63°
65°	5451.8	6090.4	6709.1	7402.0	8248.9	8432.1	8069.9	7565.3	6994.8	6466.2	6047.5	65°
67.5°	5114.7	5765.9	6312.3	6965.5	7817.6	7870.0	7416.7	7009.5	6496.5	5949.1	5511.5	67.5°
70°	4435.4	4976.6	5512.5	6057.9	6772.9	6763.5	6337.4	6130.2	5681.1	5057.1	4706.4	70°
72.5°	3527.7	4013.5	4390.4	4755.7	5226.7	5131.5	4857.2	4914.8	4623.7	4158.0	3949.6	72.5°
75°	2619.2	3153.0	3337.2	3485.9	3684.8	3685.9	3761.2	3924.5	3920.3	3661.8	3399.0	75°
77.5°	1717.9	2302.0	2363.7	2483.1	2721.7	3046.3	3381.2	3741.3	3831.4	3627.2	3238.8	77.5°
80°	957.9	1565.0	1493.8	1596.4	1853.9	2294.6	2788.8	3186.5	3421.0	3306.9	2895.5	80°
82.5°	490.0	902.3	862.6	1004.9	1213.2	1596.4	1923.0	2228.7	2505.0	2489.3	2333.3	82.5°
85°	254.4	494.1	562.1	636.5	741.1	878.2	1001.8	1090.8	1206.0	1409.0	1478.1	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	75.3	54.4	149.7	213.6	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°
1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
1085.6	1086.6	1084.5	1084.5	1085.6	1085.6	1083.4
1083.4	1083.4	1081.4	1079.3	1077.2	1077.2	1075.1
1107.5	1107.5	1100.2	1097.0	1091.8	1087.6	1085.6
1143.2	1136.8	1128.5	1122.1	1113.8	1104.4	1099.2
1178.7	1169.3	1158.8	1149.4	1138.9	1128.5	1123.3
1237.3	1224.8	1211.2	1199.6	1185.0	1169.3	1163.0
1327.4	1307.4	1289.7	1272.9	1246.8	1235.3	1222.7
1446.7	1417.4	1394.3	1366.1	1333.7	1323.2	1307.4
1591.2	1566.1	1520.0	1499.1	1466.6	1450.9	1454.1
1811.0	1778.5	1725.1	1705.2	1702.1	1667.5	1650.8
2097.8	2099.9	2050.7	1997.3	1968.0	1913.6	1844.5
2506.1	2477.8	2420.2	2365.8	2296.8	2194.2	2079.0
3000.2	2937.4	2842.1	2740.6	2618.1	2460.0	2298.8
3482.7	3372.9	3221.0	3051.5	2874.5	2677.8	2449.6
3906.7	3736.1	3509.0	3314.3	3064.0	2818.1	2539.6
4294.1	4082.6	3789.5	3537.2	3242.0	2925.9	2596.1
4668.8	4400.9	4041.8	3700.5	3366.5	2998.1	2623.4
5025.8	4680.3	4254.3	3848.1	3457.6	3045.2	2627.6
5300.0	4923.2	4444.8	3954.9	3520.5	3080.8	2627.6
5554.5	5128.3	4590.3	4038.6	3579.1	3104.9	2629.6
5752.2	5272.8	4684.5	4098.3	3625.1	3122.6	2639.0
5895.7	5367.0	4747.3	4134.9	3658.6	3147.7	2659.9
5996.1	5428.8	4781.9	4167.4	3699.5	3191.7	2718.6
6044.3	5542.9	4839.5	4232.3	3769.6	3285.0	2835.8
6007.7	5719.8	5003.8	4342.2	3866.9	3430.4	3023.2
5991.9	5752.2	5048.8	4366.3	3889.0	3461.8	3088.1
5869.5	5784.7	5234.1	4487.7	3993.6	3601.0	3269.2
5489.5	5657.0	5390.1	4692.9	4218.6	3939.2	3607.4
4997.5	5467.6	5361.8	4719.0	4362.1	4216.6	3820.9
4408.1	4894.9	4796.5	4370.4	4204.0	4219.7	3765.4
3469.1	3834.5	3769.6	3619.9	3653.4	3768.6	3225.2
2779.3	2730.1	2580.4	2590.9	2784.6	2919.6	2321.9
2270.5	1838.2	1643.5	1648.8	1986.9	2127.2	1479.2
2160.7	1738.8	1416.4	1237.3	1445.7	1392.3	772.6
1538.8	1542.0	1279.2	1039.4	1007.1	856.3	481.5
364.3	292.1	208.3	154.9	163.3	107.8	54.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)