

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: P141568

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141568  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ECM-E04-LED-E1-SLR-8030  
Description: EPIC CLASSICAL MEDIUM DECORATIVE 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: 8829.9 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

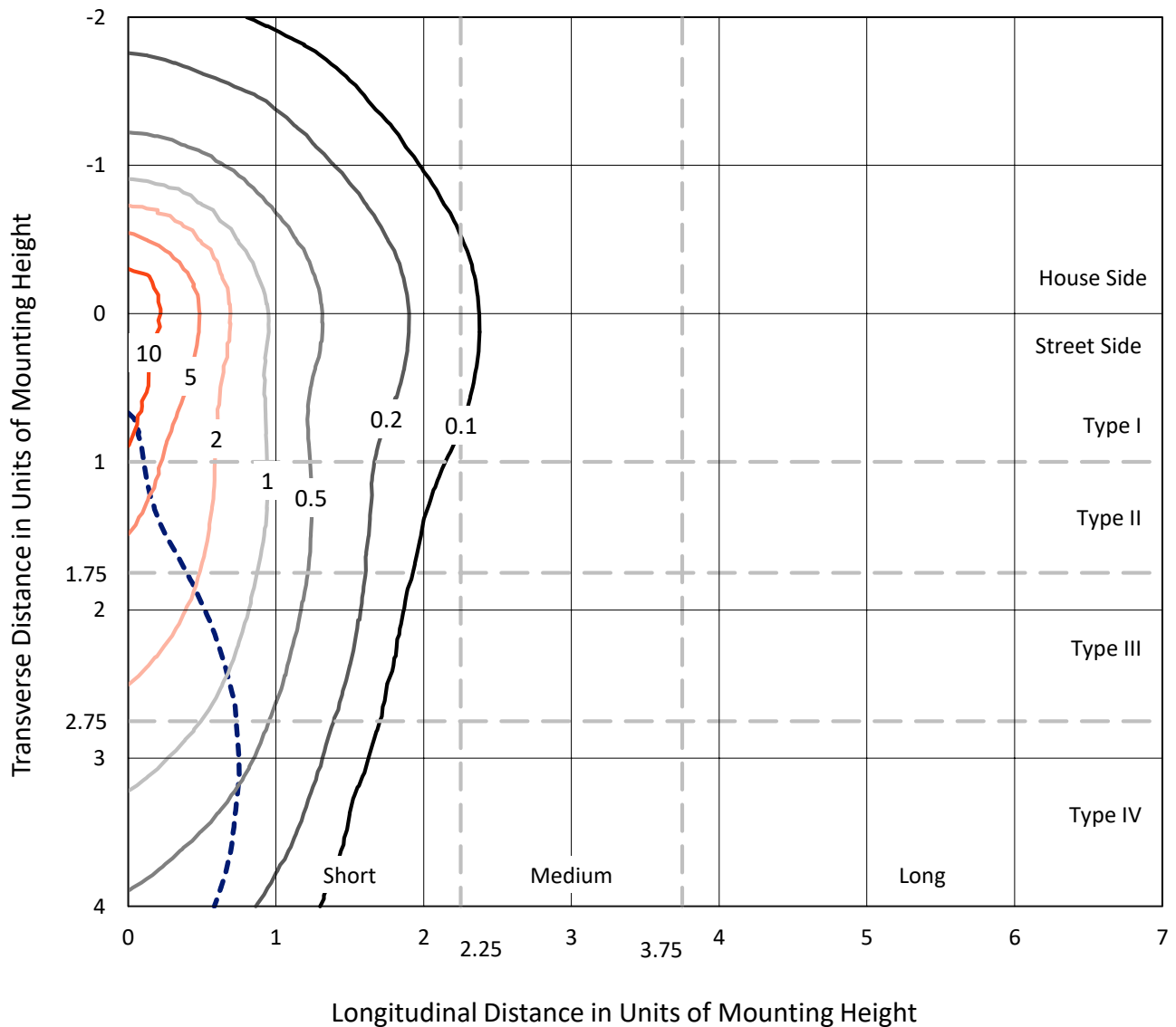
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

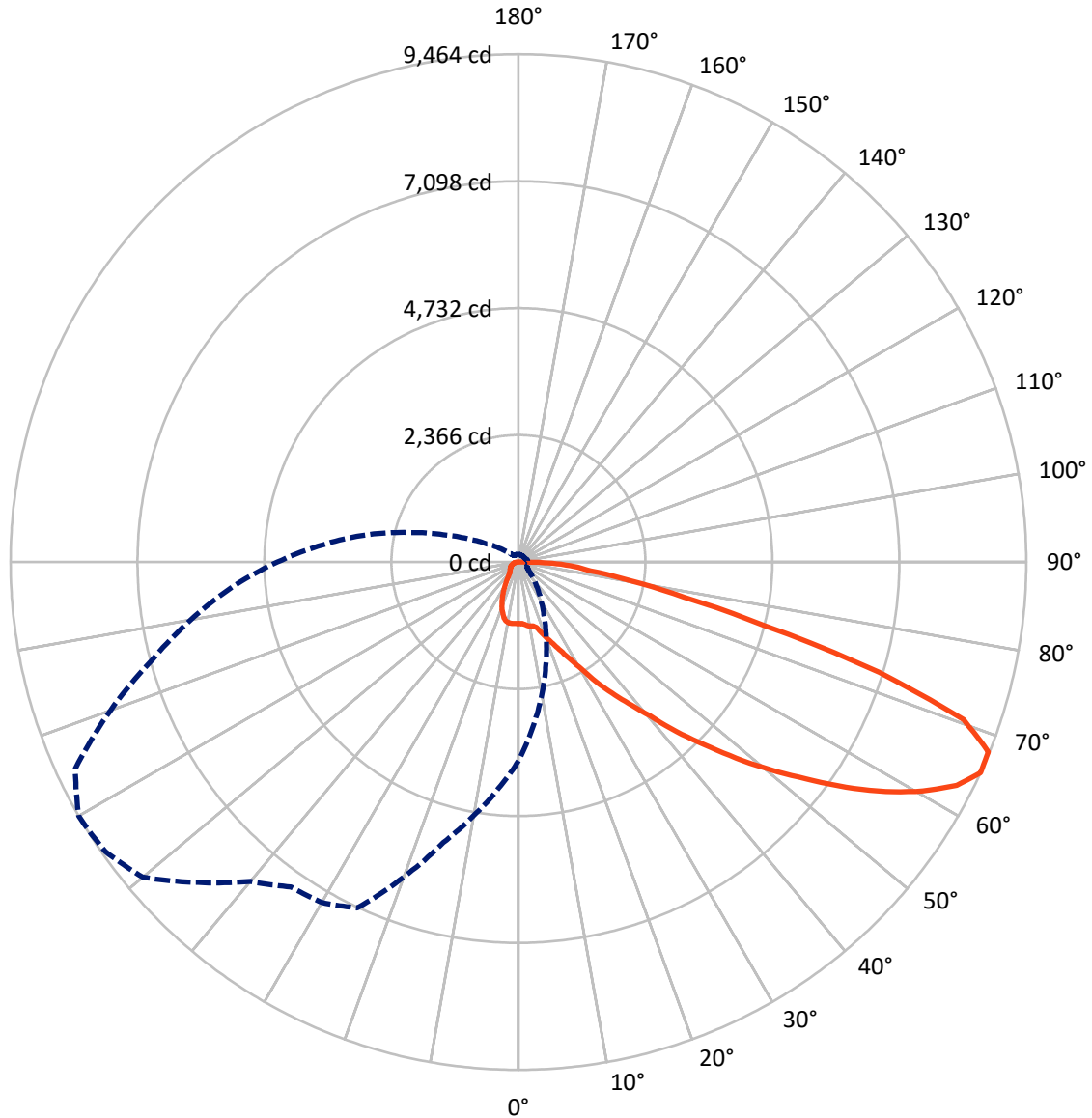
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1637.7	0.0	1637.7
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	7192.2	0.0	7192.2
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	8829.9	0.0	8829.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.1	1.3
10°-20°	333.5	3.8
20°-30°	554.1	6.3
30°-40°	810.0	9.2
40°-50°	1232.2	14.0
50°-60°	1771.2	20.1
60°-70°	2177.7	24.7
70°-80°	1456.8	16.5
80°-90°	383.3	4.3
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°	8829.9	100.0
0°-180°	8829.9	100.0



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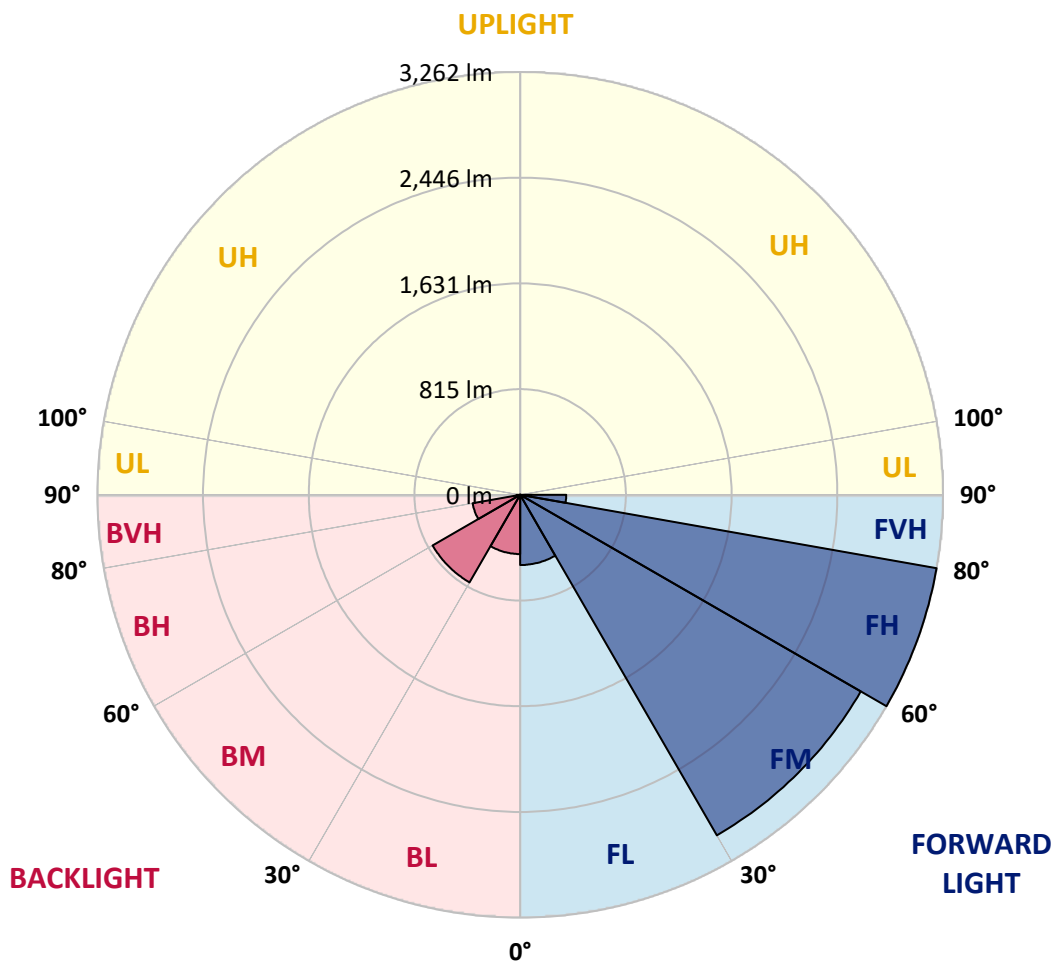
CATALOG NUMBER: ECM-E04-LED-E1-SLR-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.6	6.1			
FM	(30°-60°)	3033.4	34.4			
FH	(60°-80°)	3261.7	36.9			G2/5000
FVH	(80°-90°)	355.4	4.0			G3/500
BL	(0°-30°)	457.1	5.2	B1/500		
BM	(30°-60°)	780.1	8.8	B1/1000		
BH	(60°-80°)	372.7	4.2	B1/500		G1/500
BVH	(80°-90°)	27.9	0.3			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°	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8
2.5°	1149.0	1152.3	1152.3	1150.1	1149.0	1150.1	1151.2	1150.1	1151.2	1153.5	1152.3
5°	1134.3	1136.6	1137.7	1137.7	1137.7	1140.0	1143.3	1142.2	1145.6	1147.8	1147.8
7.5°	1099.4	1103.9	1103.9	1105.1	1107.3	1110.7	1116.3	1118.6	1124.2	1132.1	1134.3
10°	1078.1	1079.2	1075.8	1074.7	1076.9	1083.7	1087.1	1092.7	1101.7	1110.7	1119.7
12.5°	1083.7	1084.8	1079.2	1080.3	1080.3	1083.7	1093.8	1098.3	1101.7	1107.3	1116.3
15°	1129.8	1129.8	1123.1	1125.3	1126.4	1130.9	1130.9	1123.1	1120.8	1115.2	1110.7
17.5°	1191.7	1182.7	1181.6	1180.5	1185.0	1180.5	1170.3	1152.3	1130.9	1108.4	1090.4
20°	1255.9	1257.0	1250.2	1249.1	1236.7	1221.0	1191.7	1155.7	1117.4	1082.6	1046.5
22.5°	1351.5	1353.8	1341.4	1316.6	1289.6	1248.0	1195.1	1140.0	1084.8	1036.4	994.8
25°	1496.7	1473.0	1444.9	1393.1	1324.5	1251.4	1178.2	1109.6	1037.5	973.4	920.5
27.5°	1640.7	1593.5	1518.1	1433.7	1336.9	1242.4	1155.7	1063.4	977.9	900.3	839.5
30°	1774.6	1686.9	1578.8	1458.4	1334.6	1213.1	1102.8	998.2	896.9	813.6	741.6
32.5°	1910.8	1782.5	1632.8	1464.0	1300.9	1155.7	1028.5	908.1	808.0	706.7	629.1
35°	2081.8	1888.3	1665.5	1442.7	1242.4	1065.7	929.5	814.7	706.7	604.3	523.3
37.5°	2238.3	1972.7	1682.4	1406.7	1165.8	972.3	822.6	705.6	604.3	517.6	447.9
40°	2353.0	2027.8	1680.1	1360.5	1088.2	876.6	729.2	623.4	532.3	463.6	409.6
42.5°	2443.1	2059.3	1668.9	1316.6	1020.7	806.9	668.4	571.7	499.6	444.5	402.9
45°	2505.0	2081.8	1662.1	1281.7	975.7	773.1	648.2	567.2	506.4	456.9	409.6
47.5°	2559.0	2107.7	1659.8	1266.0	965.5	783.2	675.2	602.0	535.7	471.5	408.5
50°	2613.0	2133.6	1680.1	1291.9	1003.8	839.5	738.2	644.8	553.7	467.0	389.4
52.5°	2687.3	2209.0	1755.5	1366.1	1087.1	918.3	797.9	679.7	557.0	455.8	371.4
55°	2798.7	2326.0	1863.5	1464.0	1177.1	1003.8	846.2	693.2	553.7	443.4	354.5
57.5°	2981.0	2498.2	2010.9	1600.2	1294.1	1070.2	873.2	698.8	545.8	429.9	341.0
60°	3211.7	2695.1	2196.6	1743.1	1394.3	1116.3	884.5	696.6	534.5	414.1	321.8
62.5°	3473.9	2911.2	2364.3	1873.7	1466.3	1137.7	880.0	678.6	508.6	381.5	294.8
65°	3704.6	3083.4	2505.0	1978.3	1511.3	1137.7	851.9	636.9	462.5	335.3	259.9
67.5°	3893.6	3228.5	2613.0	2039.1	1515.8	1098.3	784.3	561.5	389.4	278.0	219.4
70°	3992.6	3274.7	2646.8	2032.3	1440.4	984.7	660.6	436.6	285.8	216.1	176.7
72.5°	3883.5	3165.5	2502.7	1836.5	1201.8	734.8	462.5	297.1	204.8	167.7	146.3
75°	3455.9	2686.1	2083.0	1420.2	860.9	458.0	287.0	208.2	162.0	139.5	128.3
77.5°	2580.4	2001.9	1433.7	899.1	492.9	278.0	201.4	158.7	136.2	122.7	112.5
80°	1622.7	1233.4	862.0	495.1	281.3	204.8	167.7	141.8	123.8	106.9	96.8
82.5°	903.6	657.2	438.9	282.5	195.8	165.4	145.2	130.5	110.3	93.4	83.3
85°	617.8	406.2	276.8	185.7	135.0	120.4	108.0	99.0	84.4	70.9	65.3
87.5°	250.9	234.1	169.9	74.3	55.1	49.5	43.9	54.0	45.0	34.9	32.6
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°	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8
2.5°	1154.6	1152.3	1153.5	1152.3	1151.2	1150.1	1149.0	1150.1	1147.8	1149.0	1149.0
5°	1151.2	1149.0	1152.3	1151.2	1149.0	1149.0	1147.8	1147.8	1147.8	1147.8	1149.0
7.5°	1141.1	1141.1	1144.5	1144.5	1142.2	1142.2	1140.0	1138.8	1138.8	1140.0	1142.2
10°	1127.6	1130.9	1136.6	1134.3	1129.8	1127.6	1124.2	1121.9	1120.8	1123.1	1125.3
12.5°	1117.4	1119.7	1116.3	1112.9	1106.2	1098.3	1097.2	1091.6	1088.2	1093.8	1093.8
15°	1100.6	1091.6	1079.2	1067.9	1052.2	1044.3	1035.3	1033.0	1025.2	1026.3	1031.9
17.5°	1064.6	1040.9	1021.8	1010.5	997.0	991.4	981.3	975.7	970.0	964.4	967.8
20°	1013.9	988.0	963.3	948.6	927.3	922.8	905.9	905.9	899.1	900.3	907.0
22.5°	949.8	910.4	878.9	860.9	838.4	829.4	821.5	815.9	812.5	819.2	811.4
25°	865.4	818.1	788.9	763.0	738.2	729.2	719.1	715.7	716.8	712.3	720.2
27.5°	778.7	720.2	688.7	659.4	641.4	625.7	617.8	615.6	611.0	623.4	616.7
30°	669.6	616.7	579.5	549.2	527.8	519.9	512.0	509.8	516.5	507.5	503.0
32.5°	559.3	501.9	470.4	444.5	428.7	413.0	410.7	406.2	398.4	408.5	406.2
35°	459.1	410.7	378.1	362.4	341.0	334.2	320.7	317.3	318.5	320.7	319.6
37.5°	398.4	364.6	335.3	314.0	298.2	289.2	284.7	280.2	280.2	278.0	276.8
40°	370.2	342.1	315.1	294.8	282.5	275.7	271.2	266.7	263.3	259.9	256.6
42.5°	365.7	332.0	301.6	281.3	270.1	267.8	266.7	263.3	258.8	253.2	248.7
45°	362.4	319.6	288.1	270.1	262.2	261.1	261.1	257.7	254.3	248.7	241.9
47.5°	351.1	303.8	273.5	259.9	256.6	257.7	256.6	253.2	250.9	245.3	237.4
50°	326.3	280.2	250.9	240.8	239.7	238.6	238.6	237.4	235.2	230.7	222.8
52.5°	305.0	258.8	235.2	228.4	226.2	226.2	223.9	222.8	218.3	214.9	209.3
55°	291.5	247.6	227.3	222.8	222.8	221.7	219.4	216.1	212.7	208.2	201.4
57.5°	279.1	238.6	221.7	218.3	219.4	218.3	216.1	213.8	209.3	203.7	195.8
60°	261.1	225.1	210.4	209.3	211.6	213.8	212.7	211.6	208.2	200.3	189.1
62.5°	235.2	202.6	191.3	193.6	195.8	198.1	196.9	195.8	192.4	185.7	175.6
65°	209.3	185.7	178.9	181.2	183.4	183.4	183.4	181.2	178.9	171.0	163.2
67.5°	184.6	169.9	167.7	169.9	171.0	171.0	172.2	169.9	166.5	160.9	153.0
70°	157.5	150.8	150.8	153.0	154.2	153.0	154.2	150.8	147.4	144.0	136.2
72.5°	140.7	140.7	139.5	139.5	139.5	137.3	136.2	133.9	130.5	127.2	120.4
75°	124.9	124.9	123.8	126.0	121.5	118.2	117.0	114.8	111.4	106.9	102.4
77.5°	106.9	104.7	104.7	108.0	106.9	102.4	99.0	97.9	93.4	88.9	86.6
80°	92.3	90.0	90.0	88.9	86.6	85.5	81.0	76.5	75.4	75.4	72.0
82.5°	81.0	79.9	76.5	74.3	70.9	67.5	64.1	61.9	58.5	57.4	58.5
85°	64.1	65.3	61.9	59.6	56.3	51.8	48.4	46.1	43.9	43.9	48.4
87.5°	37.1	34.9	34.9	33.8	32.6	29.3	29.3	25.9	24.8	31.5	32.6
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°	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8
2.5°	1150.1	1150.1	1146.7	1149.0	1147.8	1149.0	1153.5	1149.0	1147.8	1151.2	1154.6
5°	1150.1	1152.3	1149.0	1151.2	1151.2	1154.6	1160.2	1156.8	1159.1	1163.6	1168.1
7.5°	1145.6	1149.0	1149.0	1153.5	1156.8	1162.5	1170.3	1168.1	1172.6	1179.3	1185.0
10°	1133.2	1138.8	1144.5	1151.2	1159.1	1168.1	1179.3	1179.3	1183.8	1192.8	1198.5
12.5°	1102.8	1117.4	1124.2	1140.0	1152.3	1165.8	1178.2	1186.1	1189.5	1197.3	1204.1
15°	1042.0	1060.1	1073.6	1092.7	1112.9	1132.1	1153.5	1161.3	1168.1	1171.5	1174.8
17.5°	972.3	984.7	993.7	1018.4	1040.9	1058.9	1079.2	1089.3	1097.2	1097.2	1099.4
20°	914.9	920.5	922.8	922.8	936.3	953.1	979.0	975.7	982.4	975.7	982.4
22.5°	826.0	817.0	821.5	821.5	830.5	827.1	837.2	854.1	851.9	856.4	875.5
25°	718.0	719.1	711.2	711.2	712.3	714.6	719.1	723.6	739.3	756.2	768.6
27.5°	615.6	613.3	607.7	603.2	598.7	606.5	612.2	611.0	633.6	647.1	669.6
30°	503.0	503.0	504.1	501.9	506.4	500.8	509.8	512.0	531.2	545.8	566.0
32.5°	409.6	411.9	411.9	410.7	418.6	413.0	417.5	423.1	435.5	447.9	458.0
35°	325.2	328.6	337.6	341.0	344.3	339.8	345.5	352.2	353.4	364.6	372.5
37.5°	275.7	281.3	282.5	284.7	284.7	288.1	289.2	293.7	293.7	297.1	299.3
40°	254.3	252.1	250.9	249.8	247.6	248.7	249.8	253.2	254.3	256.6	256.6
42.5°	244.2	240.8	235.2	231.8	227.3	227.3	227.3	227.3	230.7	232.9	232.9
45°	235.2	229.6	223.9	218.3	214.9	212.7	213.8	214.9	217.2	218.3	219.4
47.5°	229.6	221.7	212.7	207.1	203.7	201.4	202.6	203.7	203.7	204.8	205.9
50°	213.8	205.9	198.1	192.4	189.1	187.9	187.9	186.8	187.9	189.1	189.1
52.5°	201.4	193.6	186.8	181.2	177.8	177.8	176.7	174.4	175.6	174.4	175.6
55°	194.7	184.6	176.7	171.0	167.7	167.7	165.4	166.5	166.5	164.3	165.4
57.5°	186.8	176.7	169.9	163.2	158.7	158.7	157.5	158.7	159.8	156.4	156.4
60°	178.9	169.9	162.0	156.4	150.8	151.9	150.8	153.0	153.0	149.7	149.7
62.5°	164.3	156.4	151.9	148.5	144.0	145.2	145.2	148.5	145.2	142.9	141.8
65°	153.0	147.4	140.7	140.7	136.2	138.4	138.4	138.4	135.0	133.9	135.0
67.5°	145.2	138.4	133.9	129.4	126.0	127.2	124.9	124.9	123.8	122.7	124.9
70°	130.5	124.9	122.7	118.2	115.9	112.5	111.4	111.4	111.4	110.3	111.4
72.5°	115.9	111.4	109.2	104.7	102.4	100.2	99.0	97.9	96.8	97.9	97.9
75°	97.9	95.7	93.4	91.2	88.9	87.8	86.6	86.6	85.5	84.4	85.5
77.5°	84.4	81.0	79.9	77.6	78.8	75.4	74.3	75.4	75.4	75.4	76.5
80°	72.0	69.8	69.8	67.5	66.4	64.1	65.3	65.3	65.3	65.3	66.4
82.5°	63.0	60.8	60.8	59.6	56.3	54.0	55.1	57.4	57.4	56.3	58.5
85°	51.8	49.5	49.5	48.4	43.9	42.8	41.6	43.9	45.0	42.8	45.0
87.5°	33.8	31.5	30.4	30.4	25.9	18.0	23.6	25.9	25.9	21.4	24.8
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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CATALOG NUMBER: ECM-E04-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8
2.5°	1153.5	1155.7	1155.7	1158.0	1162.5	1158.0	1155.7	1159.1	1159.1	1158.0	1158.0
5°	1168.1	1172.6	1173.7	1180.5	1183.8	1181.6	1183.8	1186.1	1187.2	1185.0	1187.2
7.5°	1187.2	1192.8	1198.5	1206.3	1213.1	1212.0	1215.3	1219.8	1221.0	1221.0	1223.2
10°	1203.0	1210.8	1216.5	1226.6	1234.5	1236.7	1240.1	1245.7	1251.4	1251.4	1255.9
12.5°	1206.3	1215.3	1221.0	1230.0	1243.5	1248.0	1255.9	1269.4	1275.0	1279.5	1282.9
15°	1177.1	1185.0	1192.8	1205.2	1221.0	1234.5	1252.5	1271.6	1288.5	1300.9	1305.4
17.5°	1100.6	1101.7	1109.6	1127.6	1160.2	1174.8	1197.3	1236.7	1260.4	1282.9	1304.2
20°	988.0	1009.4	1017.3	1040.9	1072.4	1094.9	1120.8	1156.8	1192.8	1233.4	1269.4
22.5°	889.0	917.1	939.6	967.8	993.7	1019.5	1052.2	1083.7	1123.1	1162.5	1205.2
25°	787.7	813.6	845.1	875.5	905.9	938.5	979.0	1012.8	1052.2	1098.3	1152.3
27.5°	689.8	716.8	751.7	787.7	812.5	856.4	890.1	939.6	984.7	1035.3	1096.1
30°	587.4	613.3	630.2	669.6	704.5	748.3	800.1	848.5	902.5	958.8	1029.7
32.5°	476.0	491.8	515.4	542.4	582.9	629.1	683.1	734.8	809.1	878.9	946.4
35°	381.5	389.4	388.2	418.6	436.6	491.8	559.3	608.8	683.1	768.6	857.5
37.5°	300.5	299.3	306.1	310.6	333.1	369.1	422.0	486.1	571.7	663.9	752.8
40°	256.6	257.7	258.8	258.8	263.3	287.0	334.2	400.6	482.8	564.9	662.8
42.5°	236.3	238.6	239.7	241.9	244.2	252.1	285.8	347.7	417.5	505.3	593.0
45°	221.7	225.1	228.4	228.4	230.7	232.9	252.1	299.3	369.1	452.4	544.7
47.5°	209.3	212.7	214.9	216.1	218.3	220.6	230.7	263.3	330.8	406.2	501.9
50°	191.3	194.7	196.9	200.3	200.3	200.3	207.1	230.7	282.5	356.7	450.1
52.5°	176.7	178.9	182.3	184.6	185.7	186.8	190.2	203.7	243.1	312.8	400.6
55°	168.8	171.0	174.4	176.7	178.9	180.1	182.3	187.9	216.1	275.7	357.9
57.5°	158.7	162.0	166.5	168.8	171.0	172.2	173.3	175.6	194.7	239.7	307.2
60°	151.9	157.5	163.2	166.5	167.7	168.8	169.9	167.7	175.6	203.7	256.6
62.5°	144.0	149.7	154.2	158.7	159.8	160.9	162.0	158.7	157.5	171.0	200.3
65°	137.3	140.7	144.0	147.4	147.4	148.5	147.4	142.9	139.5	139.5	153.0
67.5°	128.3	130.5	133.9	135.0	135.0	135.0	133.9	132.8	127.2	124.9	127.2
70°	114.8	118.2	121.5	123.8	123.8	122.7	121.5	118.2	115.9	113.7	115.9
72.5°	102.4	106.9	108.0	109.2	108.0	108.0	108.0	105.8	106.9	106.9	108.0
75°	90.0	92.3	92.3	94.5	94.5	94.5	94.5	94.5	96.8	95.7	96.8
77.5°	76.5	77.6	79.9	79.9	79.9	81.0	83.3	83.3	85.5	86.6	86.6
80°	66.4	64.1	64.1	63.0	64.1	66.4	68.6	73.1	73.1	74.3	75.4
82.5°	52.9	48.4	46.1	48.4	48.4	49.5	54.0	58.5	58.5	61.9	63.0
85°	40.5	34.9	30.4	32.6	32.6	34.9	39.4	41.6	45.0	46.1	45.0
87.5°	23.6	20.3	13.5	11.3	13.5	16.9	18.0	20.3	16.9	19.1	20.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P141568

CATALOG NUMBER: ECM-E04-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8
2.5°	1160.2	1160.2	1154.6	1154.6	1155.7	1158.0	1152.3	1151.2	1152.3	1151.2	1150.1
5°	1190.6	1187.2	1186.1	1183.8	1182.7	1185.0	1179.3	1179.3	1178.2	1176.0	1172.6
7.5°	1224.3	1222.1	1219.8	1217.6	1215.3	1216.5	1210.8	1209.7	1208.6	1207.5	1204.1
10°	1255.9	1252.5	1250.2	1244.6	1240.1	1235.6	1224.3	1221.0	1217.6	1215.3	1214.2
12.5°	1281.7	1278.4	1270.5	1260.4	1253.6	1242.4	1233.4	1225.5	1222.1	1218.7	1219.8
15°	1306.5	1299.7	1289.6	1277.2	1270.5	1259.2	1252.5	1249.1	1246.9	1244.6	1246.9
17.5°	1314.4	1316.6	1311.0	1307.6	1303.1	1298.6	1299.7	1303.1	1309.9	1309.9	1309.9
20°	1299.7	1324.5	1340.3	1352.6	1362.8	1369.5	1370.6	1374.0	1381.9	1385.3	1402.2
22.5°	1264.9	1329.0	1381.9	1424.7	1451.7	1460.7	1470.8	1482.0	1483.2	1486.5	1502.3
25°	1232.2	1325.6	1404.4	1471.9	1534.9	1578.8	1603.6	1626.1	1631.7	1636.2	1636.2
27.5°	1174.8	1278.4	1379.6	1469.7	1556.3	1629.5	1686.9	1745.4	1785.9	1800.5	1821.9
30°	1114.1	1223.2	1327.9	1441.5	1551.8	1654.2	1757.8	1852.3	1918.7	1968.2	2007.6
32.5°	1037.5	1155.7	1275.0	1398.8	1530.4	1658.7	1797.1	1934.4	2060.5	2159.5	2220.3
35°	957.6	1081.4	1205.2	1341.4	1489.9	1645.2	1821.9	2004.2	2173.0	2333.9	2472.3
37.5°	869.9	986.9	1121.9	1277.2	1437.0	1622.7	1828.6	2054.8	2288.9	2519.6	2698.5
40°	769.7	883.4	1013.9	1177.1	1370.6	1580.0	1825.3	2094.2	2387.9	2674.9	2963.0
42.5°	701.1	805.7	930.6	1094.9	1291.9	1531.6	1811.8	2130.2	2478.0	2833.6	3195.9
45°	649.3	751.7	874.4	1031.9	1232.2	1484.3	1807.3	2170.7	2572.5	2979.9	3403.0
47.5°	604.3	710.1	828.2	983.5	1177.1	1441.5	1797.1	2204.5	2651.3	3092.4	3583.0
50°	560.4	668.4	790.0	946.4	1136.6	1395.4	1774.6	2234.9	2725.5	3209.4	3731.6
52.5°	512.0	618.9	749.5	909.3	1110.7	1366.1	1751.0	2259.6	2797.5	3334.3	3885.7
55°	460.3	568.3	696.6	865.4	1075.8	1343.6	1727.4	2275.4	2872.9	3446.9	4024.1
57.5°	404.0	512.0	636.9	809.1	1033.0	1313.2	1701.5	2274.3	2928.1	3552.6	4173.8
60°	335.3	433.2	557.0	730.3	958.8	1270.5	1680.1	2265.3	2967.5	3646.0	4340.4
62.5°	255.4	338.7	452.4	614.4	851.9	1188.3	1623.8	2227.0	2972.0	3713.6	4478.8
65°	182.3	227.3	317.3	479.4	676.3	1004.9	1487.7	2125.7	2897.7	3665.2	4491.2
67.5°	139.5	164.3	208.2	305.0	479.4	765.2	1253.6	1898.4	2667.0	3407.5	4284.1
70°	120.4	132.8	156.4	199.2	300.5	496.3	887.9	1500.1	2196.6	2931.5	3679.8
72.5°	111.4	119.3	133.9	155.3	191.3	292.6	546.9	1008.3	1613.7	2234.9	2889.8
75°	102.4	110.3	121.5	135.0	153.0	195.8	298.2	593.0	995.9	1476.4	1942.3
77.5°	91.2	97.9	112.5	124.9	136.2	153.0	190.2	329.7	548.0	883.4	1162.5
80°	76.5	83.3	94.5	113.7	124.9	136.2	148.5	202.6	302.7	456.9	596.4
82.5°	63.0	66.4	75.4	92.3	102.4	108.0	111.4	131.7	172.2	225.1	328.6
85°	43.9	43.9	50.6	59.6	67.5	63.0	64.1	67.5	88.9	124.9	252.1
87.5°	16.9	12.4	15.8	19.1	19.1	18.0	21.4	20.3	28.1	52.9	72.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P141568  
 CATALOG NUMBER: ECM-E04-LED-E1-SLR-8030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	0°
2.5°	1150.1	1150.1	1149.0	1147.8	1146.7	1146.7	1144.5	1147.8	1146.7	1147.8	1149.0	2.5°
5°	1173.7	1171.5	1169.2	1167.0	1167.0	1164.7	1161.3	1160.2	1155.7	1154.6	1151.2	5°
7.5°	1207.5	1207.5	1207.5	1205.2	1200.7	1195.1	1188.3	1183.8	1171.5	1162.5	1152.3	7.5°
10°	1216.5	1218.7	1219.8	1221.0	1216.5	1215.3	1207.5	1198.5	1183.8	1170.3	1156.8	10°
12.5°	1219.8	1224.3	1225.5	1226.6	1223.2	1221.0	1213.1	1207.5	1195.1	1181.6	1174.8	12.5°
15°	1251.4	1259.2	1268.2	1267.1	1277.2	1266.0	1259.2	1260.4	1246.9	1232.2	1227.7	15°
17.5°	1332.4	1335.8	1354.9	1356.0	1371.8	1376.3	1365.0	1352.6	1344.8	1335.8	1316.6	17.5°
20°	1420.2	1444.9	1451.7	1485.4	1501.2	1509.1	1510.2	1510.2	1495.6	1456.2	1440.4	20°
22.5°	1515.8	1552.9	1593.5	1614.8	1647.5	1652.0	1668.9	1658.7	1647.5	1617.1	1581.1	22.5°
25°	1670.0	1691.4	1727.4	1781.4	1797.1	1829.8	1823.0	1837.6	1812.9	1760.0	1738.6	25°
27.5°	1842.2	1879.3	1929.9	1980.6	2003.1	2039.1	2016.6	2039.1	1998.6	1983.9	1932.2	27.5°
30°	2030.1	2080.7	2170.7	2233.8	2279.9	2304.7	2290.0	2277.7	2266.4	2239.4	2236.0	30°
32.5°	2260.8	2321.5	2407.1	2489.2	2570.2	2654.6	2674.9	2692.9	2734.5	2652.4	2572.5	32.5°
35°	2545.5	2591.6	2687.3	2781.8	2893.2	2999.0	3173.4	3217.3	3161.0	3063.1	2934.8	35°
37.5°	2823.4	2928.1	3023.7	3136.3	3219.5	3341.1	3418.7	3505.4	3458.1	3367.0	3219.5	37.5°
40°	3164.4	3306.2	3436.7	3575.1	3669.7	3764.2	3910.5	4005.0	3996.0	3882.4	3683.2	40°
42.5°	3477.2	3702.3	3918.4	4021.9	4147.9	4319.0	4427.0	4577.8	4587.9	4456.3	4203.1	42.5°
45°	3804.7	4066.9	4330.2	4533.9	4640.8	4852.4	5100.0	5264.3	5314.9	5063.9	4805.1	45°
47.5°	4061.3	4469.8	4823.1	5040.3	5239.5	5457.8	5776.3	6013.7	5993.5	5654.7	5312.6	47.5°
50°	4286.3	4806.2	5233.9	5591.7	5830.3	6082.4	6502.1	6785.7	6686.7	6255.7	5828.0	50°
52.5°	4490.0	5100.0	5628.9	6072.2	6350.2	6710.3	7240.3	7487.9	7206.6	6790.2	6261.3	52.5°
55°	4676.8	5365.5	5980.0	6513.4	6942.1	7406.9	7904.3	8074.2	7673.6	7159.3	6673.2	55°
57.5°	4849.0	5612.0	6302.9	6943.2	7518.3	8073.1	8506.3	8517.6	8014.5	7444.0	6980.4	57.5°
60°	5056.1	5838.2	6640.5	7388.9	8089.9	8666.1	8919.3	8839.4	8234.0	7656.7	7191.9	60°
62.5°	5256.4	6041.8	6916.2	7817.6	8662.7	9165.7	9216.4	9047.6	8384.8	7755.7	7350.6	62.5°
65°	5355.4	6197.1	7070.4	8089.9	9110.6	9464.0	9402.1	9137.6	8445.5	7770.3	7391.1	65°
67.5°	5210.2	6052.0	6923.0	7971.8	9108.4	9444.8	9285.0	8965.4	8298.1	7571.2	7203.2	67.5°
70°	4675.7	5491.6	6201.6	7188.6	8466.9	8798.9	8559.2	8243.0	7684.8	6973.6	6805.9	70°
72.5°	3934.1	4539.5	5133.7	5862.9	6739.5	7029.9	6713.7	6871.2	6727.2	6038.5	5885.4	72.5°
75°	2952.8	3518.9	3750.7	3974.6	4580.1	4753.4	4631.8	5172.0	5319.4	5032.4	4642.0	75°
77.5°	1932.2	2526.3	2569.1	2573.6	2821.2	3153.2	3593.2	4154.7	4433.8	4304.4	3830.6	77.5°
80°	1126.4	1780.3	1592.3	1531.6	1751.0	2121.2	2701.9	3405.2	3774.3	3801.3	3349.0	80°
82.5°	566.0	1116.3	966.7	956.5	1080.3	1353.8	1778.0	2170.7	2651.3	2673.8	2733.4	82.5°
85°	440.0	767.5	785.5	851.9	938.5	1052.2	1083.7	1153.5	1421.3	1668.9	1733.0	85°
87.5°	228.4	564.9	666.2	775.3	765.2	626.8	528.9	570.5	663.9	699.9	909.3	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°



IUMBER: P141568

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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1147.8	1147.8	1147.8	1147.8	1147.8	1147.8	1147.8
1146.7	1149.0	1147.8	1149.0	1150.1	1150.1	1149.0
1145.6	1144.5	1140.0	1137.7	1137.7	1135.4	1134.3
1138.8	1130.9	1119.7	1112.9	1108.4	1105.1	1099.4
1140.0	1126.4	1111.8	1101.7	1091.6	1084.8	1078.1
1154.6	1137.7	1124.2	1108.4	1100.6	1091.6	1083.7
1205.2	1182.7	1167.0	1152.3	1143.3	1136.6	1129.8
1286.2	1259.2	1233.4	1219.8	1204.1	1192.8	1191.7
1395.4	1356.0	1322.3	1291.9	1277.2	1259.2	1255.9
1519.2	1461.8	1425.8	1392.0	1371.8	1350.4	1351.5
1676.7	1619.3	1560.8	1525.9	1496.7	1500.1	1496.7
1865.8	1820.8	1753.3	1710.5	1701.5	1666.6	1640.7
2160.6	2093.1	2010.9	1934.4	1886.0	1828.6	1774.6
2449.8	2324.9	2215.8	2141.5	2079.6	1995.2	1910.8
2735.7	2591.6	2490.3	2427.3	2331.7	2213.5	2081.8
3075.5	2981.0	2909.0	2754.8	2618.6	2437.4	2238.3
3566.1	3446.9	3274.7	3078.9	2881.9	2625.4	2353.0
4054.5	3910.5	3669.7	3381.6	3099.1	2789.7	2443.1
4584.6	4306.6	3992.6	3643.8	3296.1	2912.3	2505.0
5002.1	4655.5	4263.8	3845.2	3452.5	3013.6	2559.0
5428.5	5009.9	4518.2	4046.7	3594.3	3095.8	2613.0
5763.9	5296.9	4778.1	4230.1	3725.9	3188.0	2687.3
6099.2	5582.7	5011.1	4413.5	3889.1	3316.3	2798.7
6378.3	5841.5	5236.1	4613.8	4078.2	3487.4	2981.0
6746.3	6205.0	5500.6	4851.3	4292.0	3720.3	3211.7
7096.3	6631.5	5868.6	5130.3	4553.0	3983.6	3473.9
7327.0	7113.2	6245.5	5410.5	4798.4	4230.1	3704.6
7331.5	7419.2	6642.8	5637.9	5027.9	4497.9	3893.6
7154.8	7462.0	6727.2	5658.1	5137.1	4617.2	3992.6
6543.7	6935.4	6221.9	5258.6	4934.5	4523.8	3883.5
5061.7	5345.3	4976.2	4457.4	4468.7	4229.0	3455.9
3504.3	3772.1	3461.5	3351.2	3597.7	3463.7	2580.4
2654.6	2309.2	2187.6	2246.1	2553.4	2538.7	1622.7
2364.3	1747.6	1449.4	1521.4	1802.8	1646.3	903.6
1938.9	1743.1	1457.3	1317.8	1374.0	1124.2	617.8
1116.3	1275.0	1038.7	979.0	851.9	506.4	250.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)