

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: P141569

Luminaire Tested: **ECM-E04-LED-E1-SLR-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141569  
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-7030  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (84) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

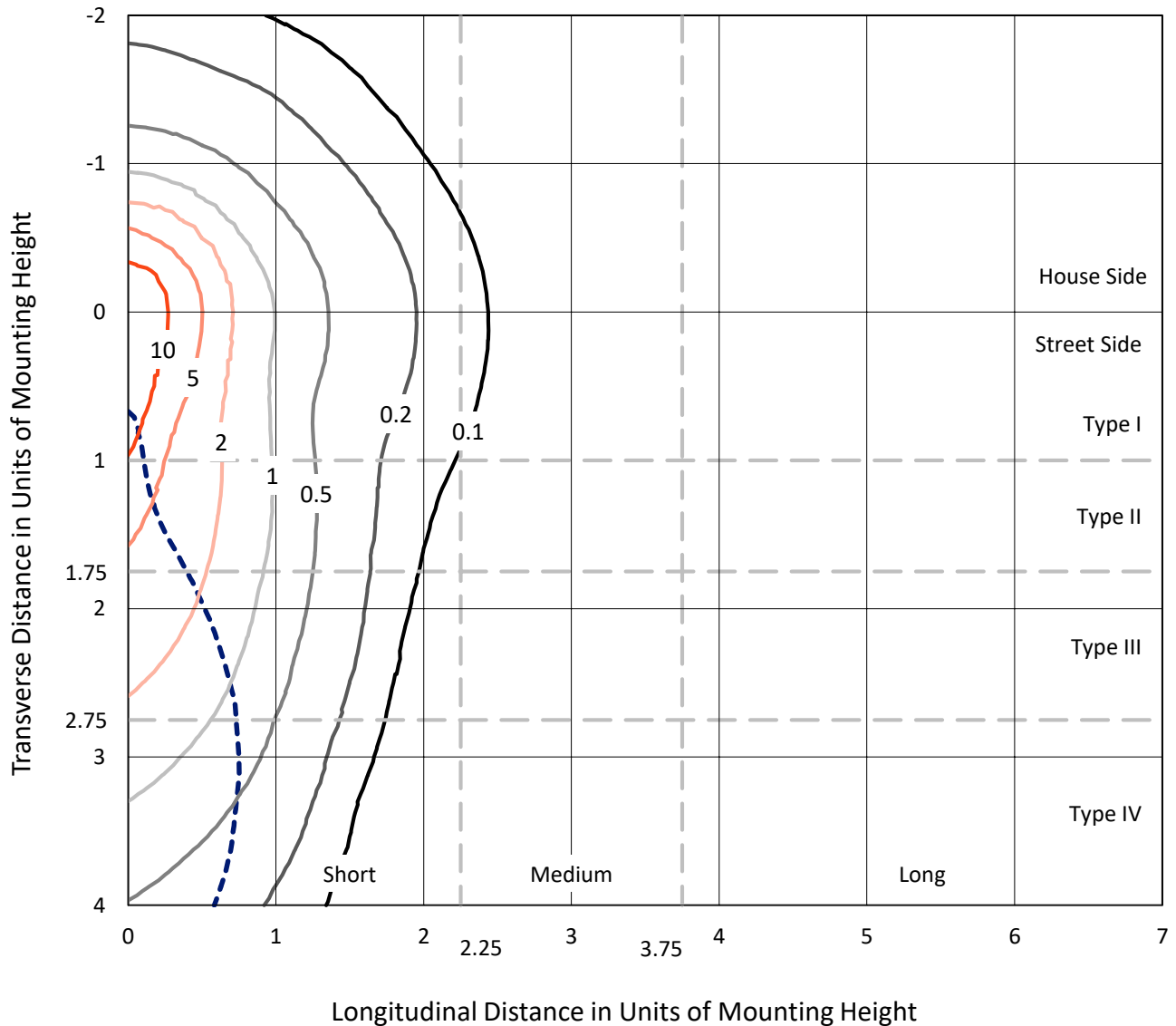
Lumens per Lamp: N/A  
Luminaire Lumens: 9555.6 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (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

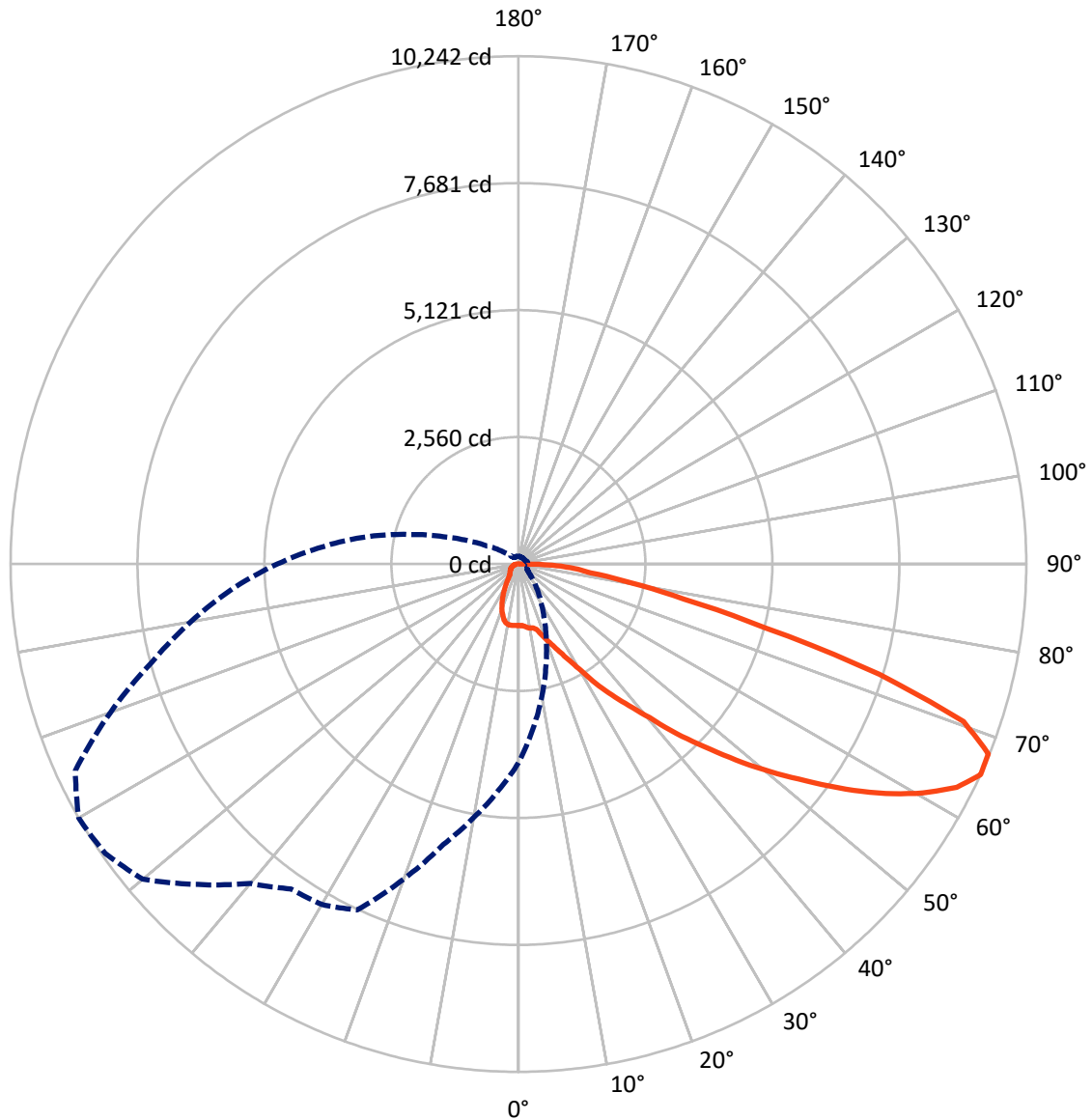
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 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	1772.3	0.0	1772.3
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	7783.2	0.0	7783.2
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	9555.6	0.0	9555.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.2	1.3
10°-20°	360.9	3.8
20°-30°	599.7	6.3
30°-40°	876.6	9.2
40°-50°	1333.5	14.0
50°-60°	1916.8	20.1
60°-70°	2356.6	24.7
70°-80°	1576.5	16.5
80°-90°	414.8	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°	9555.6	100.0
0°-180°	9555.6	100.0



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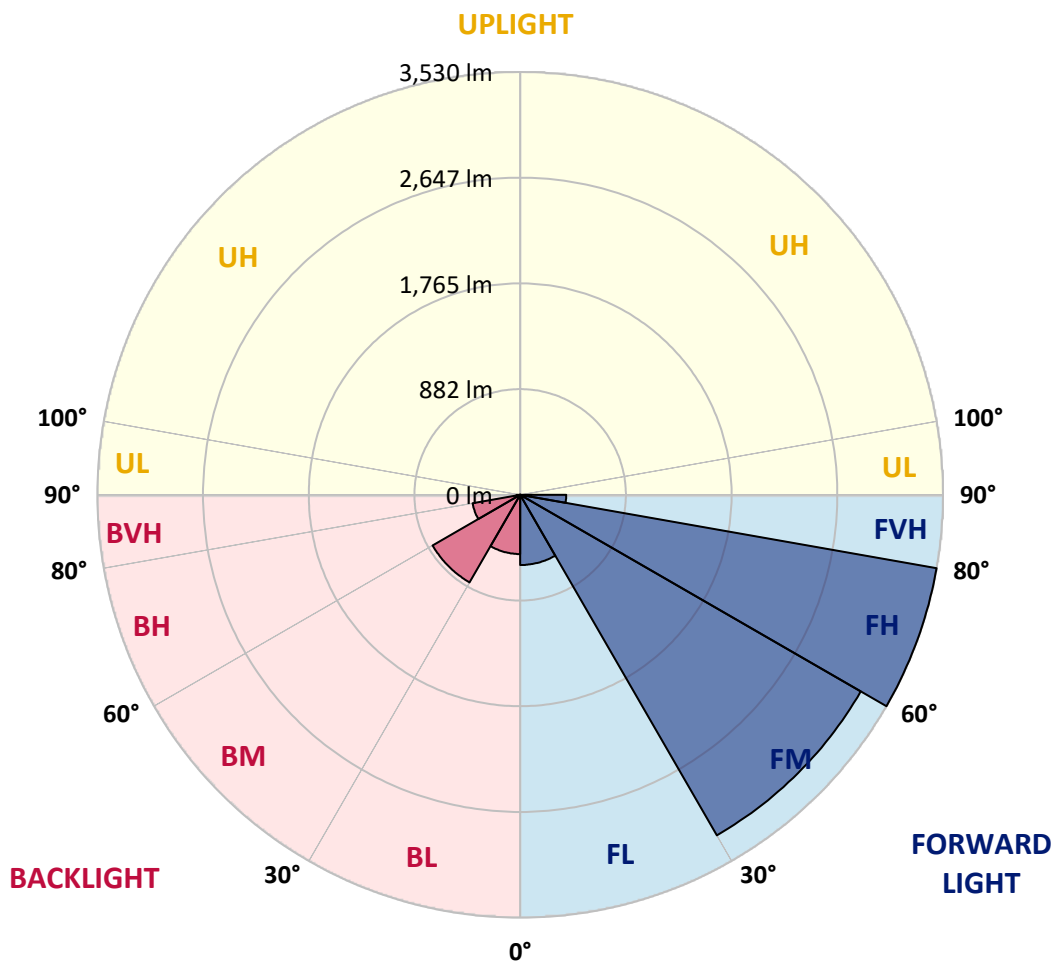
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	586.1	6.1			
FM	(30°-60°)	3282.7	34.4			
FH	(60°-80°)	3529.8	36.9			G2/5000
FVH	(80°-90°)	384.6	4.0			G3/500
BL	(0°-30°)	494.6	5.2	B1/500		
BM	(30°-60°)	844.2	8.8	B1/1000		
BH	(60°-80°)	403.3	4.2	B1/500		G1/500
BVH	(80°-90°)	30.2	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°	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2
2.5°	1243.4	1247.0	1247.0	1244.6	1243.4	1244.6	1245.8	1244.6	1245.8	1248.2	1247.0
5°	1227.5	1230.0	1231.2	1231.2	1231.2	1233.6	1237.3	1236.1	1239.7	1242.2	1242.2
7.5°	1189.8	1194.7	1194.7	1195.9	1198.3	1202.0	1208.1	1210.5	1216.6	1225.1	1227.5
10°	1166.7	1167.9	1164.2	1163.0	1165.4	1172.7	1176.4	1182.5	1192.2	1202.0	1211.7
12.5°	1172.7	1174.0	1167.9	1169.1	1169.1	1172.7	1183.7	1188.6	1192.2	1198.3	1208.1
15°	1222.7	1222.7	1215.4	1217.8	1219.0	1223.9	1223.9	1215.4	1212.9	1206.8	1202.0
17.5°	1289.7	1279.9	1278.7	1277.5	1282.3	1277.5	1266.5	1247.0	1223.9	1199.5	1180.0
20°	1359.1	1360.3	1353.0	1351.8	1338.4	1321.3	1289.7	1250.7	1209.3	1171.5	1132.6
22.5°	1462.6	1465.0	1451.6	1424.8	1395.6	1350.5	1293.3	1233.6	1174.0	1121.6	1076.5
25°	1619.7	1594.1	1563.7	1507.6	1433.4	1354.2	1275.0	1200.8	1122.8	1053.4	996.2
27.5°	1775.6	1724.4	1642.8	1551.5	1446.7	1344.5	1250.7	1150.8	1058.3	974.2	908.5
30°	1920.5	1825.5	1708.6	1578.3	1444.3	1312.8	1193.4	1080.2	970.6	880.5	802.5
32.5°	2067.8	1929.0	1767.0	1584.4	1407.8	1250.7	1113.1	982.8	874.4	764.8	680.8
35°	2252.9	2043.5	1802.3	1561.2	1344.5	1153.3	1005.9	881.7	764.8	654.0	566.3
37.5°	2422.2	2134.8	1820.6	1522.3	1261.6	1052.2	890.2	763.6	654.0	560.2	484.7
40°	2546.4	2194.5	1818.2	1472.3	1177.6	948.7	789.1	674.7	576.0	501.7	443.3
42.5°	2643.8	2228.6	1806.0	1424.8	1104.5	873.2	723.4	618.6	540.7	481.0	436.0
45°	2710.8	2252.9	1798.7	1387.1	1055.8	836.6	701.5	613.8	548.0	494.4	443.3
47.5°	2769.3	2280.9	1796.3	1370.0	1044.9	847.6	730.7	651.5	579.7	510.3	442.1
50°	2827.7	2308.9	1818.2	1398.0	1086.3	908.5	798.9	697.8	599.2	505.4	421.4
52.5°	2908.1	2390.5	1899.8	1478.4	1176.4	993.7	863.4	735.6	602.8	493.2	401.9
55°	3028.7	2517.2	2016.7	1584.4	1273.8	1086.3	915.8	750.2	599.2	479.8	383.6
57.5°	3226.0	2703.5	2176.2	1731.7	1400.5	1158.1	945.0	756.3	590.6	465.2	369.0
60°	3475.6	2916.6	2377.1	1886.4	1508.9	1208.1	957.2	753.8	578.5	448.2	348.3
62.5°	3759.4	3150.4	2558.6	2027.6	1586.8	1231.2	952.3	734.3	550.4	412.8	319.1
65°	4009.0	3336.8	2710.8	2140.9	1635.5	1231.2	921.9	689.3	500.5	362.9	281.3
67.5°	4213.6	3493.9	2827.7	2206.7	1640.4	1188.6	848.8	607.7	421.4	300.8	237.5
70°	4320.8	3543.8	2864.3	2199.3	1558.8	1065.6	714.8	472.5	309.3	233.8	191.2
72.5°	4202.6	3425.7	2708.4	1987.5	1300.6	795.2	500.5	321.5	221.6	181.5	158.3
75°	3739.9	2906.9	2254.1	1536.9	931.6	495.6	310.5	225.3	175.4	151.0	138.8
77.5°	2792.4	2166.5	1551.5	973.0	533.4	300.8	218.0	171.7	147.4	132.7	121.8
80°	1756.1	1334.7	932.8	535.8	304.5	221.6	181.5	153.4	134.0	115.7	104.7
82.5°	977.9	711.2	474.9	305.7	211.9	179.0	157.1	141.3	119.3	101.1	90.1
85°	668.6	439.6	299.6	200.9	146.1	130.3	116.9	107.2	91.3	76.7	70.6
87.5°	271.6	253.3	183.9	80.4	59.7	53.6	47.5	58.5	48.7	37.8	35.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2
2.5°	1249.5	1247.0	1248.2	1247.0	1245.8	1244.6	1243.4	1244.6	1242.2	1243.4	1243.4
5°	1245.8	1243.4	1247.0	1245.8	1243.4	1243.4	1242.2	1242.2	1242.2	1242.2	1243.4
7.5°	1234.8	1234.8	1238.5	1238.5	1236.1	1236.1	1233.6	1232.4	1232.4	1233.6	1236.1
10°	1220.2	1223.9	1230.0	1227.5	1222.7	1220.2	1216.6	1214.1	1212.9	1215.4	1217.8
12.5°	1209.3	1211.7	1208.1	1204.4	1197.1	1188.6	1187.4	1181.3	1177.6	1183.7	1183.7
15°	1191.0	1181.3	1167.9	1155.7	1138.6	1130.1	1120.4	1117.9	1109.4	1110.6	1116.7
17.5°	1152.0	1126.5	1105.8	1093.6	1079.0	1072.9	1061.9	1055.8	1049.7	1043.7	1047.3
20°	1097.2	1069.2	1042.4	1026.6	1003.5	998.6	980.3	980.3	973.0	974.2	981.5
22.5°	1027.8	985.2	951.1	931.6	907.3	897.5	889.0	882.9	879.3	886.6	878.0
25°	936.5	885.3	853.7	825.7	798.9	789.1	778.2	774.5	775.7	770.9	779.4
27.5°	842.7	779.4	745.3	713.6	694.1	677.1	668.6	666.1	661.3	674.7	667.4
30°	724.6	667.4	627.2	594.3	571.1	562.6	554.1	551.7	559.0	549.2	544.4
32.5°	605.2	543.1	509.0	481.0	464.0	446.9	444.5	439.6	431.1	442.1	439.6
35°	496.9	444.5	409.2	392.1	369.0	361.7	347.1	343.4	344.6	347.1	345.9
37.5°	431.1	394.6	362.9	339.8	322.7	313.0	308.1	303.2	303.2	300.8	299.6
40°	400.7	370.2	341.0	319.1	305.7	298.4	293.5	288.6	285.0	281.3	277.7
42.5°	395.8	359.3	326.4	304.5	292.3	289.8	288.6	285.0	280.1	274.0	269.1
45°	392.1	345.9	311.8	292.3	283.7	282.5	282.5	278.9	275.2	269.1	261.8
47.5°	380.0	328.8	295.9	281.3	277.7	278.9	277.7	274.0	271.6	265.5	257.0
50°	353.2	303.2	271.6	260.6	259.4	258.2	258.2	257.0	254.5	249.6	241.1
52.5°	330.0	280.1	254.5	247.2	244.8	244.8	242.3	241.1	236.3	232.6	226.5
55°	315.4	267.9	246.0	241.1	241.1	239.9	237.5	233.8	230.2	225.3	218.0
57.5°	302.0	258.2	239.9	236.3	237.5	236.3	233.8	231.4	226.5	220.4	211.9
60°	282.5	243.6	227.7	226.5	228.9	231.4	230.2	228.9	225.3	216.8	204.6
62.5°	254.5	219.2	207.0	209.5	211.9	214.3	213.1	211.9	208.2	200.9	190.0
65°	226.5	200.9	193.6	196.1	198.5	198.5	198.5	196.1	193.6	185.1	176.6
67.5°	199.7	183.9	181.5	183.9	185.1	185.1	186.3	183.9	180.2	174.1	165.6
70°	170.5	163.2	163.2	165.6	166.8	165.6	166.8	163.2	159.5	155.9	147.4
72.5°	152.2	152.2	151.0	151.0	151.0	148.6	147.4	144.9	141.3	137.6	130.3
75°	135.2	135.2	134.0	136.4	131.5	127.9	126.7	124.2	120.6	115.7	110.8
77.5°	115.7	113.3	113.3	116.9	115.7	110.8	107.2	105.9	101.1	96.2	93.8
80°	99.9	97.4	97.4	96.2	93.8	92.6	87.7	82.8	81.6	81.6	77.9
82.5°	87.7	86.5	82.8	80.4	76.7	73.1	69.4	67.0	63.3	62.1	63.3
85°	69.4	70.6	67.0	64.5	60.9	56.0	52.4	49.9	47.5	47.5	52.4
87.5°	40.2	37.8	37.8	36.5	35.3	31.7	31.7	28.0	26.8	34.1	35.3
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2
2.5°	1244.6	1244.6	1240.9	1243.4	1242.2	1243.4	1248.2	1243.4	1242.2	1245.8	1249.5
5°	1244.6	1247.0	1243.4	1245.8	1245.8	1249.5	1255.6	1251.9	1254.3	1259.2	1264.1
7.5°	1239.7	1243.4	1243.4	1248.2	1251.9	1258.0	1266.5	1264.1	1268.9	1276.3	1282.3
10°	1226.3	1232.4	1238.5	1245.8	1254.3	1264.1	1276.3	1276.3	1281.1	1290.9	1297.0
12.5°	1193.4	1209.3	1216.6	1233.6	1247.0	1261.6	1275.0	1283.6	1287.2	1295.7	1303.0
15°	1127.7	1147.2	1161.8	1182.5	1204.4	1225.1	1248.2	1256.8	1264.1	1267.7	1271.4
17.5°	1052.2	1065.6	1075.3	1102.1	1126.5	1146.0	1167.9	1178.8	1187.4	1187.4	1189.8
20°	990.1	996.2	998.6	998.6	1013.2	1031.5	1059.5	1055.8	1063.1	1055.8	1063.1
22.5°	893.9	884.1	889.0	889.0	898.7	895.1	906.0	924.3	921.9	926.7	947.4
25°	777.0	778.2	769.6	769.6	770.9	773.3	778.2	783.0	800.1	818.4	831.8
27.5°	666.1	663.7	657.6	652.7	647.9	656.4	662.5	661.3	685.6	700.2	724.6
30°	544.4	544.4	545.6	543.1	548.0	541.9	551.7	554.1	574.8	590.6	612.6
32.5°	443.3	445.7	445.7	444.5	453.0	446.9	451.8	457.9	471.3	484.7	495.6
35°	351.9	355.6	365.3	369.0	372.6	367.8	373.9	381.2	382.4	394.6	403.1
37.5°	298.4	304.5	305.7	308.1	308.1	311.8	313.0	317.8	317.8	321.5	323.9
40°	275.2	272.8	271.6	270.4	267.9	269.1	270.4	274.0	275.2	277.7	277.7
42.5°	264.3	260.6	254.5	250.9	246.0	246.0	246.0	246.0	249.6	252.1	252.1
45°	254.5	248.4	242.3	236.3	232.6	230.2	231.4	232.6	235.0	236.3	237.5
47.5°	248.4	239.9	230.2	224.1	220.4	218.0	219.2	220.4	220.4	221.6	222.9
50°	231.4	222.9	214.3	208.2	204.6	203.4	203.4	202.2	203.4	204.6	204.6
52.5°	218.0	209.5	202.2	196.1	192.4	192.4	191.2	188.8	190.0	188.8	190.0
55°	210.7	199.7	191.2	185.1	181.5	181.5	179.0	180.2	180.2	177.8	179.0
57.5°	202.2	191.2	183.9	176.6	171.7	171.7	170.5	171.7	172.9	169.3	169.3
60°	193.6	183.9	175.4	169.3	163.2	164.4	163.2	165.6	165.6	162.0	162.0
62.5°	177.8	169.3	164.4	160.7	155.9	157.1	157.1	160.7	157.1	154.7	153.4
65°	165.6	159.5	152.2	152.2	147.4	149.8	149.8	149.8	146.1	144.9	146.1
67.5°	157.1	149.8	144.9	140.0	136.4	137.6	135.2	135.2	134.0	132.7	135.2
70°	141.3	135.2	132.7	127.9	125.4	121.8	120.6	120.6	120.6	119.3	120.6
72.5°	125.4	120.6	118.1	113.3	110.8	108.4	107.2	105.9	104.7	105.9	105.9
75°	105.9	103.5	101.1	98.6	96.2	95.0	93.8	93.8	92.6	91.3	92.6
77.5°	91.3	87.7	86.5	84.0	85.2	81.6	80.4	81.6	81.6	81.6	82.8
80°	77.9	75.5	75.5	73.1	71.9	69.4	70.6	70.6	70.6	70.6	71.9
82.5°	68.2	65.8	65.8	64.5	60.9	58.5	59.7	62.1	62.1	60.9	63.3
85°	56.0	53.6	53.6	52.4	47.5	46.3	45.1	47.5	48.7	46.3	48.7
87.5°	36.5	34.1	32.9	32.9	28.0	19.5	25.6	28.0	28.0	23.1	26.8
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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2
2.5°	1248.2	1250.7	1250.7	1253.1	1258.0	1253.1	1250.7	1254.3	1254.3	1253.1	1253.1
5°	1264.1	1268.9	1270.2	1277.5	1281.1	1278.7	1281.1	1283.6	1284.8	1282.3	1284.8
7.5°	1284.8	1290.9	1297.0	1305.5	1312.8	1311.6	1315.2	1320.1	1321.3	1321.3	1323.7
10°	1301.8	1310.4	1316.4	1327.4	1335.9	1338.4	1342.0	1348.1	1354.2	1354.2	1359.1
12.5°	1305.5	1315.2	1321.3	1331.1	1345.7	1350.5	1359.1	1373.7	1379.8	1384.6	1388.3
15°	1273.8	1282.3	1290.9	1304.3	1321.3	1335.9	1355.4	1376.1	1394.4	1407.8	1412.6
17.5°	1191.0	1192.2	1200.8	1220.2	1255.6	1271.4	1295.7	1338.4	1363.9	1388.3	1411.4
20°	1069.2	1092.4	1100.9	1126.5	1160.6	1184.9	1212.9	1251.9	1290.9	1334.7	1373.7
22.5°	962.1	992.5	1016.9	1047.3	1075.3	1103.3	1138.6	1172.7	1215.4	1258.0	1304.3
25°	852.5	880.5	914.6	947.4	980.3	1015.6	1059.5	1096.0	1138.6	1188.6	1247.0
27.5°	746.5	775.7	813.5	852.5	879.3	926.7	963.3	1016.9	1065.6	1120.4	1186.1
30°	635.7	663.7	682.0	724.6	762.3	809.8	865.9	918.2	976.7	1037.6	1114.3
32.5°	515.1	532.2	557.8	587.0	630.8	680.8	739.2	795.2	875.6	951.1	1024.2
35°	412.8	421.4	420.1	453.0	472.5	532.2	605.2	658.8	739.2	831.8	928.0
37.5°	325.2	323.9	331.2	336.1	360.5	399.4	456.7	526.1	618.6	718.5	814.7
40°	277.7	278.9	280.1	280.1	285.0	310.5	361.7	433.5	522.4	611.3	717.3
42.5°	255.7	258.2	259.4	261.8	264.3	272.8	309.3	376.3	451.8	546.8	641.8
45°	239.9	243.6	247.2	247.2	249.6	252.1	272.8	323.9	399.4	489.6	589.4
47.5°	226.5	230.2	232.6	233.8	236.3	238.7	249.6	285.0	358.0	439.6	543.1
50°	207.0	210.7	213.1	216.8	216.8	216.8	224.1	249.6	305.7	386.0	487.1
52.5°	191.2	193.6	197.3	199.7	200.9	202.2	205.8	220.4	263.0	338.5	433.5
55°	182.7	185.1	188.8	191.2	193.6	194.8	197.3	203.4	233.8	298.4	387.3
57.5°	171.7	175.4	180.2	182.7	185.1	186.3	187.5	190.0	210.7	259.4	332.5
60°	164.4	170.5	176.6	180.2	181.5	182.7	183.9	181.5	190.0	220.4	277.7
62.5°	155.9	162.0	166.8	171.7	172.9	174.1	175.4	171.7	170.5	185.1	216.8
65°	148.6	152.2	155.9	159.5	159.5	160.7	159.5	154.7	151.0	151.0	165.6
67.5°	138.8	141.3	144.9	146.1	146.1	146.1	144.9	143.7	137.6	135.2	137.6
70°	124.2	127.9	131.5	134.0	134.0	132.7	131.5	127.9	125.4	123.0	125.4
72.5°	110.8	115.7	116.9	118.1	116.9	116.9	116.9	114.5	115.7	115.7	116.9
75°	97.4	99.9	99.9	102.3	102.3	102.3	102.3	102.3	104.7	103.5	104.7
77.5°	82.8	84.0	86.5	86.5	86.5	87.7	90.1	90.1	92.6	93.8	93.8
80°	71.9	69.4	69.4	68.2	69.4	71.9	74.3	79.2	79.2	80.4	81.6
82.5°	57.2	52.4	49.9	52.4	52.4	53.6	58.5	63.3	63.3	67.0	68.2
85°	43.8	37.8	32.9	35.3	35.3	37.8	42.6	45.1	48.7	49.9	48.7
87.5°	25.6	21.9	14.6	12.2	14.6	18.3	19.5	21.9	18.3	20.7	21.9
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°	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2
2.5°	1255.6	1255.6	1249.5	1249.5	1250.7	1253.1	1247.0	1245.8	1247.0	1245.8	1244.6
5°	1288.4	1284.8	1283.6	1281.1	1279.9	1282.3	1276.3	1276.3	1275.0	1272.6	1268.9
7.5°	1325.0	1322.5	1320.1	1317.7	1315.2	1316.4	1310.4	1309.1	1307.9	1306.7	1303.0
10°	1359.1	1355.4	1353.0	1346.9	1342.0	1337.1	1325.0	1321.3	1317.7	1315.2	1314.0
12.5°	1387.1	1383.4	1374.9	1363.9	1356.6	1344.5	1334.7	1326.2	1322.5	1318.9	1320.1
15°	1413.9	1406.6	1395.6	1382.2	1374.9	1362.7	1355.4	1351.8	1349.3	1346.9	1349.3
17.5°	1422.4	1424.8	1418.7	1415.1	1410.2	1405.3	1406.6	1410.2	1417.5	1417.5	1417.5
20°	1406.6	1433.4	1450.4	1463.8	1474.8	1482.1	1483.3	1486.9	1495.5	1499.1	1517.4
22.5°	1368.8	1438.2	1495.5	1541.7	1571.0	1580.7	1591.7	1603.8	1605.1	1608.7	1625.8
25°	1333.5	1434.6	1519.8	1592.9	1661.1	1708.6	1735.4	1759.7	1765.8	1770.7	1770.7
27.5°	1271.4	1383.4	1493.0	1590.4	1684.2	1763.4	1825.5	1888.8	1932.6	1948.5	1971.6
30°	1205.6	1323.7	1437.0	1560.0	1679.3	1790.2	1902.2	2004.5	2076.3	2129.9	2172.6
32.5°	1122.8	1250.7	1379.8	1513.7	1656.2	1795.0	1944.8	2093.4	2229.8	2337.0	2402.7
35°	1036.3	1170.3	1304.3	1451.6	1612.4	1780.4	1971.6	2168.9	2351.6	2525.7	2675.5
37.5°	941.4	1068.0	1214.1	1382.2	1555.1	1756.1	1978.9	2223.7	2477.0	2726.7	2920.3
40°	833.0	956.0	1097.2	1273.8	1483.3	1709.8	1975.3	2266.3	2584.2	2894.7	3206.5
42.5°	758.7	871.9	1007.1	1184.9	1398.0	1657.4	1960.7	2305.3	2681.6	3066.4	3458.6
45°	702.7	813.5	946.2	1116.7	1333.5	1606.3	1955.8	2349.1	2783.9	3224.7	3682.6
47.5°	654.0	768.4	896.3	1064.4	1273.8	1560.0	1944.8	2385.7	2869.1	3346.5	3877.5
50°	606.5	723.4	854.9	1024.2	1230.0	1510.1	1920.5	2418.6	2949.5	3473.2	4038.2
52.5°	554.1	669.8	811.1	984.0	1202.0	1478.4	1894.9	2445.3	3027.5	3608.3	4205.1
55°	498.1	615.0	753.8	936.5	1164.2	1454.1	1869.3	2462.4	3109.0	3730.1	4354.9
57.5°	437.2	554.1	689.3	875.6	1117.9	1421.2	1841.3	2461.2	3168.7	3844.6	4516.8
60°	362.9	468.9	602.8	790.4	1037.6	1374.9	1818.2	2451.4	3211.3	3945.7	4697.1
62.5°	276.4	366.6	489.6	664.9	921.9	1286.0	1757.3	2410.0	3216.2	4018.7	4846.8
65°	197.3	246.0	343.4	518.8	731.9	1087.5	1609.9	2300.4	3135.8	3966.4	4860.2
67.5°	151.0	177.8	225.3	330.0	518.8	828.1	1356.6	2054.4	2886.2	3687.5	4636.2
70°	130.3	143.7	169.3	215.6	325.2	537.0	960.8	1623.3	2377.1	3172.4	3982.2
72.5°	120.6	129.1	144.9	168.1	207.0	316.6	591.9	1091.1	1746.3	2418.6	3127.3
75°	110.8	119.3	131.5	146.1	165.6	211.9	322.7	641.8	1077.8	1597.8	2101.9
77.5°	98.6	105.9	121.8	135.2	147.4	165.6	205.8	356.8	593.1	956.0	1258.0
80°	82.8	90.1	102.3	123.0	135.2	147.4	160.7	219.2	327.6	494.4	645.4
82.5°	68.2	71.9	81.6	99.9	110.8	116.9	120.6	142.5	186.3	243.6	355.6
85°	47.5	47.5	54.8	64.5	73.1	68.2	69.4	73.1	96.2	135.2	272.8
87.5°	18.3	13.4	17.0	20.7	20.7	19.5	23.1	21.9	30.4	57.2	77.9
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: P141569  
 CATALOG NUMBER: ECM-E04-LED-E1-SLR-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	0°
2.5°	1244.6	1244.6	1243.4	1242.2	1240.9	1240.9	1238.5	1242.2	1240.9	1242.2	1243.4	2.5°
5°	1270.2	1267.7	1265.3	1262.9	1262.9	1260.4	1256.8	1255.6	1250.7	1249.5	1245.8	5°
7.5°	1306.7	1306.7	1306.7	1304.3	1299.4	1293.3	1286.0	1281.1	1267.7	1258.0	1247.0	7.5°
10°	1316.4	1318.9	1320.1	1321.3	1316.4	1315.2	1306.7	1297.0	1281.1	1266.5	1251.9	10°
12.5°	1320.1	1325.0	1326.2	1327.4	1323.7	1321.3	1312.8	1306.7	1293.3	1278.7	1271.4	12.5°
15°	1354.2	1362.7	1372.5	1371.2	1382.2	1370.0	1362.7	1363.9	1349.3	1333.5	1328.6	15°
17.5°	1441.9	1445.5	1466.2	1467.4	1484.5	1489.4	1477.2	1463.8	1455.3	1445.5	1424.8	17.5°
20°	1536.9	1563.7	1571.0	1607.5	1624.5	1633.1	1634.3	1634.3	1618.5	1575.8	1558.8	20°
22.5°	1640.4	1680.6	1724.4	1747.5	1782.9	1787.7	1806.0	1795.0	1782.9	1750.0	1711.0	22.5°
25°	1807.2	1830.4	1869.3	1927.8	1944.8	1980.1	1972.8	1988.7	1961.9	1904.6	1881.5	25°
27.5°	1993.5	2033.7	2088.5	2143.3	2167.7	2206.7	2182.3	2206.7	2162.8	2147.0	2091.0	27.5°
30°	2196.9	2251.7	2349.1	2417.3	2467.3	2494.1	2478.2	2464.8	2452.7	2423.4	2419.8	30°
32.5°	2446.6	2512.3	2604.9	2693.8	2781.5	2872.8	2894.7	2914.2	2959.3	2870.4	2783.9	32.5°
35°	2754.7	2804.6	2908.1	3010.4	3131.0	3245.4	3434.2	3481.7	3420.8	3314.9	3176.0	35°
37.5°	3055.5	3168.7	3272.2	3394.0	3484.1	3615.6	3699.7	3793.4	3742.3	3643.7	3484.1	37.5°
40°	3424.5	3577.9	3719.2	3869.0	3971.2	4073.5	4231.9	4334.2	4324.4	4201.4	3985.9	40°
42.5°	3763.0	4006.6	4240.4	4352.4	4488.8	4673.9	4790.8	4954.0	4965.0	4822.5	4548.5	42.5°
45°	4117.4	4401.1	4686.1	4906.5	5022.2	5251.2	5519.1	5696.9	5751.7	5480.1	5200.0	45°
47.5°	4395.0	4837.1	5219.5	5454.5	5670.1	5906.3	6251.0	6507.9	6486.0	6119.4	5749.2	47.5°
50°	4638.6	5201.2	5664.0	6051.3	6309.4	6582.2	7036.5	7343.3	7236.2	6769.8	6307.0	50°
52.5°	4859.0	5519.1	6091.4	6571.3	6872.0	7261.7	7835.3	8103.2	7798.8	7348.2	6775.8	52.5°
55°	5061.2	5806.5	6471.4	7048.6	7512.6	8015.6	8553.8	8737.7	8304.2	7747.6	7221.6	55°
57.5°	5247.5	6073.2	6820.9	7513.8	8136.1	8736.5	9205.4	9217.5	8673.2	8055.8	7554.0	57.5°
60°	5471.6	6317.9	7186.2	7996.1	8754.8	9378.3	9652.3	9565.8	8910.6	8285.9	7783.0	60°
62.5°	5688.3	6538.4	7484.6	8460.1	9374.6	9919.0	9973.8	9791.1	9073.8	8393.1	7954.7	62.5°
65°	5795.5	6706.4	7651.4	8754.8	9859.3	10241.7	10174.7	9888.5	9139.6	8408.9	7998.5	65°
67.5°	5638.4	6549.3	7491.9	8626.9	9856.9	10221.0	10048.1	9702.2	8980.1	8193.4	7795.1	67.5°
70°	5060.0	5942.9	6711.3	7779.3	9162.7	9522.0	9262.6	8920.4	8316.4	7546.7	7365.3	70°
72.5°	4257.4	4912.6	5555.6	6344.7	7293.4	7607.6	7265.4	7435.9	7280.0	6534.7	6369.1	72.5°
75°	3195.5	3808.1	4058.9	4301.3	4956.4	5144.0	5012.5	5597.0	5756.5	5446.0	5023.4	75°
77.5°	2091.0	2734.0	2780.2	2785.1	3053.0	3412.3	3888.4	4496.1	4798.1	4658.1	4145.4	77.5°
80°	1219.0	1926.6	1723.2	1657.4	1894.9	2295.6	2923.9	3685.1	4084.5	4113.7	3624.2	80°
82.5°	612.6	1208.1	1046.1	1035.1	1169.1	1465.0	1924.1	2349.1	2869.1	2893.5	2958.0	82.5°
85°	476.2	830.5	850.0	921.9	1015.6	1138.6	1172.7	1248.2	1538.1	1806.0	1875.4	85°
87.5°	247.2	611.3	720.9	839.1	828.1	678.3	572.4	617.4	718.5	757.5	984.0	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°
1242.2	1242.2	1242.2	1242.2	1242.2	1242.2	1242.2
1240.9	1243.4	1242.2	1243.4	1244.6	1244.6	1243.4
1239.7	1238.5	1233.6	1231.2	1231.2	1228.8	1227.5
1232.4	1223.9	1211.7	1204.4	1199.5	1195.9	1189.8
1233.6	1219.0	1203.2	1192.2	1181.3	1174.0	1166.7
1249.5	1231.2	1216.6	1199.5	1191.0	1181.3	1172.7
1304.3	1279.9	1262.9	1247.0	1237.3	1230.0	1222.7
1391.9	1362.7	1334.7	1320.1	1303.0	1290.9	1289.7
1510.1	1467.4	1430.9	1398.0	1382.2	1362.7	1359.1
1644.0	1581.9	1543.0	1506.4	1484.5	1461.4	1462.6
1814.5	1752.4	1689.1	1651.3	1619.7	1623.3	1619.7
2019.1	1970.4	1897.3	1851.1	1841.3	1803.6	1775.6
2338.2	2265.1	2176.2	2093.4	2041.0	1978.9	1920.5
2651.2	2516.0	2397.8	2317.5	2250.5	2159.2	2067.8
2960.5	2804.6	2695.0	2626.8	2523.3	2395.4	2252.9
3328.2	3226.0	3148.0	2981.2	2833.8	2637.8	2422.2
3859.2	3730.1	3543.8	3331.9	3118.8	2841.1	2546.4
4387.7	4231.9	3971.2	3659.5	3353.8	3018.9	2643.8
4961.3	4660.5	4320.8	3943.2	3566.9	3151.7	2710.8
5413.1	5038.0	4614.2	4161.2	3736.2	3261.3	2769.3
5874.7	5421.6	4889.5	4379.2	3889.7	3350.2	2827.7
6237.6	5732.2	5170.8	4577.7	4032.1	3450.0	2908.1
6600.5	6041.5	5422.9	4776.2	4208.7	3588.9	3028.7
6902.5	6321.6	5666.4	4993.0	4413.3	3774.0	3226.0
7300.7	6715.0	5952.6	5249.9	4644.7	4026.0	3475.6
7679.4	7176.5	6350.8	5552.0	4927.2	4311.0	3759.4
7929.1	7697.7	6758.8	5855.2	5192.7	4577.7	4009.0
7934.0	8029.0	7188.7	6101.2	5441.1	4867.5	4213.6
7742.8	8075.2	7280.0	6123.1	5559.3	4996.6	4320.8
7081.5	7505.3	6733.2	5690.8	5340.1	4895.6	4202.6
5477.7	5784.6	5385.1	4823.7	4835.9	4576.5	3739.9
3792.2	4082.1	3746.0	3626.6	3893.3	3748.4	2792.4
2872.8	2498.9	2367.4	2430.7	2763.2	2747.4	1756.1
2558.6	1891.2	1568.5	1646.5	1950.9	1781.6	977.9
2098.3	1886.4	1577.1	1426.0	1486.9	1216.6	668.6
1208.1	1379.8	1124.0	1059.5	921.9	548.0	271.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)